

PLANTS OF SULAWESI

Rubiaceae

Ixora

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 40'E; Alt. 350 m - 750 m. Occasional. Shrub 3 m tall, 5 cm dbh. Flower red with orange corolla; fruit black.

J. S. Burley, Tukirin et al.  
3504 25 February, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Begoniaceae

Begonia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 40'E; Alt. 350 m - 750 m. Occasional, near the river. Herb 25 cm; flower white-pink; stamen yellow.

J. S. Burley, Tukirin et al.  
3505 25 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Argostemma montanum Bl. ex DC.

Det. by: A.C. Church

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 40'E; Alt. 350 m - 750 m. Occasional. Herb 15 cm tall; flower white with yellow stamens.

J. S. Burley, Tukirin et al.  
3506 25 February, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Dilleniaceae

Dillenia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 40'E; Alt. 350 m - 750 m. Occasional. Creeper; stem pinkish; flower white, stamens yellow, calyx pink.

J. S. Burley, Tukirin et al.  
3507 25 february, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lindsaeaceae

Lindsaea tenuifolia Bl.

Det. by: Ch.-M. Kuo

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 40'E; Alt. 350 m - 750 m. Slope area, occasional. Fern.

S. Burley, Tukirin et al.  
3508 25 February, 1990

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PLANTS OF SULAWESI

Dilleniaceae

Dillenia ochreate (Miq.) Teijsm. et Binn. ex Martelli

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 40'E; Alt. 350 m - 750 m. Common. Tree 15 m height, 19 cm dbh. Flower bud green with reddish-brown ochrea.

J. S. Burley, Tukirin et al.  
3509 25 February, 1990

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PLANTS OF SULAWESI

Lauraceae

Litsea occidentalis K. & V.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Pangi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m -  
750 m. Occasional, in slope area.  
Small tree 9m tall, 6cm dbh. Calyx  
dark red; fruit green.

J. S. Burley, Turkirin et al.  
3515 26 February 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Uvaria purpurea Bl.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Pangi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m -  
750 m. In slope area. Small tree 2  
m tall, 4 cm dbh. Corolla dark red.

J. S. Burley, Turkirin et al.  
3516 26 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Clusiaceae

Garcinia lateriflora

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Pangi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m -  
750 m. Common in slope area. Tree  
20 m height, 25 cm dbh. Outer bark  
grey; inner bark yellowish; fruit  
green.

J. S. Burley, Turkirin et al.  
3518 26 February, 1990

PLANTS OF SULAWESI

Commelinaceae

Forrestia mollissima (Bl.) Kds.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangli, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Rare, beside stream. Herb up to 2 m tall; flower violet or white-pink.

J. S. Burley, Tukirin et al.  
3519 26 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Ixora cf. makassarica Brem.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangli, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. On ridge area. Small tree 8 m height, 25cm dbh. Outer bark greyish-green, inner bark yellowish; fruit green, turning red when ripe.

J. S. Burley, Tukirin et al.  
3521 26 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Zingiberaceae

Reidelia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangli, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Common on ridge area, especially on close area.

J. S. Burley, Tukirin et al.  
3522 26 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Theaceae

Thea

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangli, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Occasional in ridge area. Small tree 7 m height, 6cm dbh. Bark grey; flower bud pale green; fruit brown.

J. S. Burley, Tukirin et al.  
3524 26 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus subulata Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangli, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. On a ridge, rather open area. Outer bark grey, inner bark yellowish with white sap; fruit green ripening to yellow.

J. S. Burley, Tukirin et al.  
3525 26 February, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangli, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. On slope in rather open area. Creeper 4 cm dbh. Stem grey; flower green; fruit green.

J. S. Burley, Tukirin et al.  
3528 26 February, 1990

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PLANTS OF SULAWESI

Davalliaceae

Davallia solida (G. Forst.) Sw.

Det. by: Ch.- M. Kuo

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. On slope in rather open area. Epiphytic fern 4 cm tall.

J. S. Burley, Tukirin et al.  
3529 26 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Slope area. Small tree 8 m height, 9 cm dbh. Bark smooth grey; young fruit green.

J. S. Burley, Tukirin et al.  
3534 27 February, 1990

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PLANTS OF SULAWESI

Meliaceae

Aglaiia ? cauliflora Kds.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Slope area. Shrub 3 m tall. Fruit orange.

J. S. Burley, Tukirin et al.  
3535 27 February, 1990

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PLANTS OF SULAWESI

Verbenaceae

Clerodendron buchananii (Roxb.) Walp.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Common in the open area near the logging road. Shrub 2 m tall; flower red; young fruit pale yellow with persisting calyx red.

J. S. Burley, Tukirin et al.  
3536 27 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sapindaceae

Nephelium ramboutan-ake Leenh.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Tree 20 m height, 20 cm dbh. Bark more or less smooth dark grey; flower white with pale green calyx.

J. S. Burley, Tukirin et al.  
3538 27 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Icacinaceae

Phytocrene hirsuta Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Climber 15 m tall. Young fruit green with purplish hairs.

J. S. Burley, Tukirin et al.  
3541 27 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Psychotria celebica Miq.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Common understory. Small tree 11 m height, 12 cm dbh. Outer bark more or less smooth, dark grey, inner bark pale yellow. Fruit orange.

J. S. Burley, Tukirin et al.  
3542 27 February, 1990

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PLANTS OF SULAWESI

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Epiphytic bryophyte.

J. S. Burley, Tukirin et al.  
3543 27 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Pandanaceae

Pandanus

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Understory. Shrub 2.5 m tall, pole height 2 m. Leaf 170 cm; young fruit greenish-brown.

J. S. Burley, Tukirin et al.  
3545 27 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Piperaceae

Piper

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Common. Climber 6 m tall. Flower pale yellow.

J. S. Burley, Tukirin et al.  
3546 27 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Thelypteridaceae

Pronephrium moniliformis

Det. by: Ch.- M. Kuo

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. On slope area, occasional. Terrestrial fern, ground flora.

J. S. Burley, Tukirin et al.  
3547 27 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Icacinaceae

Gomphandra mappioides Valet

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. On flat area. Tree 20 m height, 17 cm dbh. Outer bark scaly, grey; inner bark pale brown; fruit yellow.

J. S. Burley, Tukirin et al.  
3548 27 February, 1990

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PLANTS OF SULAWESI

Araceae

Pothos rumphii (Presl.) Schott.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m -  
750 m. Occasional. Climber up to 12  
m tall. Flower yellowish-green;  
fruit green,  
persisting bract white.

J. S. Burley, Turkirin et al.  
3549 27 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Antidesma celebicum Miq.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m -  
750 m. On slope area. Small tree 7  
m height, 9cm dbh. Outer bark scaly,  
grey; inner bark yellow; young fruit  
pale green; young leaf reddish-brown.

J. S. Burley, Turkirin et al.  
3550 27 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Piperaceae

Piper canium Bl.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m -  
750 m. Occasional. Climber 10 m  
tall. Flower green; fruit brown  
turning to red.

J. S. Burley, Turkirin et al.

3554

27 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Smilicaceae

Smilax leucophylla Bl.

Sulawesi Utara; 220 km W. of Manado  
50 km inland from Panggi, on tributar  
of Sungai Ilanga. 0°41'N; 123°40'E  
Alt. 350 m -  
750 m. Occasional, alt. 360 m asl  
Climber 20 m tall. Flower greenish  
white.

J. S. Burley, Turkirin et al.  
3555 27 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Aporusa frutescens Bl.

Sulawesi Utara; 220 km W. of Manado  
50 km inland from Panggi, on tributar  
of Sungai Ilanga. 0°41'N; 123°40'E  
Alt. 350 m -  
750 m. Small tree 4 m height. Bar  
more or less smooth, grey; frui  
orange.

J. S. Burley, Turkirin et al.  
3556 27 February, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Aspleniaceae

Asplenium polyodon Forster

Sulawesi Utara; 220 km W. of Manado  
50 km inland from Panggi, on tributar  
of Sungai Ilanga. 0°41'N; 123°40'E  
Alt. 350 m -  
750 m. Epiphytic fern 20 m tall.

J. S. Burley, Turkirin et al.

PLANTS OF SULAWESI

Cucurbitaceae

Gymnopetalum cochinchinense Kurz.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. In open area. Climber, secondary species; flower yellow with green calyx; young fruit green.

J. S. Burley, Tukirin et al.  
3563 February 28, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myristicaceae

Myristica elliptica (Hk.f.) Warb.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Occasional. Tree 20 m height, 40 cm dbh.; bark reddish-brown with red sap; flower bud yellow.

J. S. Burley, Tukirin et al.  
3564 February 28, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sonneratiaceae

Duabanga moluccana Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Common in open area, disturbed forest. Tree 35 m height, 40 cm dbh.; bark grey, flaky; young fruit green.

J.S. Burley, Tukirin et al.  
3565 February 28, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Flacourtiaceae

Hydnocarpus

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Small tree 11 m height, 12 cm dbh. Outer bark grey, inner bark pale yellow and smooth; young fruit green.

J.S. Burley, Tukirin et al.  
3566 February 28, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Polypodiaceae

Phymatosorum scolopendria (N.L. Buerm.) Pic.

Det. by: Ch.- M. Kuo  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Epiphytic fern 20 m tall.

J.S. Burley, Tukirin et al.  
3561 February 28, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Mycetia javanica Reinw.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. On slope area, ground flora. Small shrub 1 m tall; flower yellow; fruit white.

J.S. Burley, Tukirin et al.  
3570 February 28, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Holomitrium vaginatum (Hk.f.) Brid.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Bryophyte on fallen logs.

J.S. Burley, Tukirin et al.  
3571 February 28, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Mitthyridium fasciculatum (Hk.f. & Grev.)  
Robbins

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Bryophyte on fallen logs.

J.S. Burley, Tukirin et al.  
3572 February 28, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Davalliaceae

Davallia denticulata (Burm.) Mett. ex Kuhn

Det. by: Ch.- M. Kuo  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Epiphytic fern on fallen logs.

J.S. Burley, Tukirin et al.  
3573 February 28, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lycopodiaceae

Lycopodium phlegmaria L.

Det. by: Ch.- M. Kuo  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Epiphytic fern on fallen logs.

J.S. Burley, Tukirin et al.  
3574 February 28, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus botryocarpa Miq.

Det. by: A.C. Church  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. On slope area. Tree 12 m height 17 cm dbh. Outer bark light grey; inner bark whitish with white sap; flower/fruits greyish-green cauliflorous.

J.S. Burley, Tukirin et al.  
3579 February 28, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Distichophyllum mittenii Bosch. & Lac.

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Epiphytic fern on fallen logs.

J.S. Burley, Tukirin et al.  
3590 February 28, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE



PLANTS OF SULAWESI

Distichophyllum mittenii Bosch. &  
Lac.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Pangi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m -  
750 m. Epiphytic fern on fallen  
logs.

J.S. Burley, Turkirin et al.  
3580 February 28, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae  
Sarcochilus

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Epiphytic orchid, leaves dark green-purplish; flower petal yellowish with brick-red streaks, labellum yellow.

J.S. Burley, Tukirin et al.  
3582 March 1, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Goniothalamus brevicuspus Miq.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Rather common on slope area. Small tree 7 m tall. Outer bark smooth, dark grey; inner bark pale yellow; petals yellowish-green, cauliflorous; young fruit green.

J.S. Burley, Tukirin et al.  
3584 March 1, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Occasional. Small tree 6 m tall. Outer bark pale grey; inner bark pale yellow; young fruit green.

J.S. Burley, Tukirin et al.  
3585 March 1, 1990

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HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Ectropotheciella distichophylla (Hampe)  
Fleisch.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Bryophyte on bark of tree trunk.

J.S. Burley, Tukirin et al.  
3589 March 1, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Distichophyllum mittenii Bosch & Lac.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Bryophyte on fallen logs.

J.S. Burley, Tukirin et al.  
3590 March 1, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Erythrodontium julaceum (Schwaegr.) Par.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Bryophyte on fallen logs.

J.S. Burley, Tukirin et al.  
3591 March 1, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Araceae

Spathyphyllum commutatum Schott.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Common on slope area near stream. Herb 1 m tall. Flower pale yellow with white spathes.

J.S. Burley, Tukirin et al.  
3592 March 1, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Cryptocarya caesia Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Occasional on slope area. Small tree 10 m height, 15 cm dbh. Outer bark reddish-brown, tuberculate; inner bark reddish-brown; young fruit green.

J.S. Burley, Tukirin et al.  
3595 March 1, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Polyalthia rumphii (Bl.) Merr.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Tree 15 m height, 17 cm dbh. Outer bark smooth, dark grey; inner bark pale yellow; flower petal yellow; young fruit green.

J.S. Burley, Tukirin et al.  
3600 March 1, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Piperaceae

Piper

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Climber 3 m tall. Flower bud green.

J.S. Burley, Tukirin et al.  
3601 March 1, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Clusiaceae

Garcinia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Occasional. Small tree 5 m tall, 6 cm dbh. Outer bark fissured, dark grey; inner bark pale yellow with yellow sap; flower bud reddish-brown; ripe fruit yellow.

J.S. Burley, Tukirin et al.  
3602 March 1, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Baccaurea cf. trunciflora Merr.

Det. by: A.C. Church  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Common as understory. Small tree 7 m tall, 10 cm dbh. Outer bark soft, powdery and peeling, grey; inner bark pale yellow; fruit yellow.

J.S. Burley, Tukirin et al.  
3604 March 1, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus ? subulata Bl.

Det. by: A.C. Church

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Epiphytic on fallen log. Fruit orange.

J.S. Burley, Tukirin et al.

3605 March 1, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Zingiberaceae

Riedelia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Rare, on river bank. Herb 50 cm tall, stalk \*10 cm. Young fruit green.

J.S. Burley, Tukirin et al.

3608 March 1, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Acanthaceae

Hemigraphis reptans (Forst.) T. Anders

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. River bank. Herb 15 cm tall. Flower white.

J.S. Burley, Tukirin et al.

3609 March 1, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Endiandra

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Small tree 5 m tall, 5 cm dbh. Outer bark grey; inner bark smooth, yellow; flower bud pale green.

J.S. Burley, Tukirin et al.

3610 March 3, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Solanaceae

Lycianthes biflora (Lour.) Bitt.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. In open area. Herb 50 cm tall. Flower white.

J.S. Burley, Tukirin et al.

3611 March 3, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Psychotria celebica Miq.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Small tree 10 m height, 13 cm dbh. Outer bark rugose, grey, inner bark reddish-brown; flower greenish-white; young fruit pale green, ripening to orange.

J.S. Burley, Tukirin et al.

3612 March 3, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sonneratiaceae

Duabang moluccana Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Rather common. Large tree 20 m height, 20 cm dbh. Outer bark grey, inner bark reddish-brown; young fruit green.

J.S. Burley, Tukirin et al.

3613 March 3, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Polypodiaceae

Lecanopteris sarcopus (Teijsm. & Binnend)

Det. by: Ch.-M. Kuo

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Epiphytic fern 7 m tall. Young rhizome whitish-green, used by ants for nest.

J.S. Burley, Tukirin et al.

3616 B March 3, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Occasional. Large tree 40 m height; Like climber; flower/fruit green.

J.S. Burley, Tukirin et al.

3620 March 3, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Zingiberaceae

Alpinia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Occasional. Herb 6 m tall; leaf blade 1.5 m long; petiole 1 m long; inflorescence 1.5 m; flower greenish-white; young fruit green.

J.S. Burley, Tukirin et al.

3621 March 3, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Asteraceae

Blumea riparia (Bl.) DC.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. Occasional on ridge near open area. Herb climber 6 m tall; flower yellowish-white.

J.S. Burley, Tukirin et al.

3623 March 3, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Solanaceae

Solanum involucreatum Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m -750 m. In open area. Shrub 1.5 m tall. Stem violet; flower white; young fruit green.

J.S. Burley, Tukirin et al.

3625 March 3, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Cucurbitaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. In open area along logging road. Climber; flower yellow; fruit green.

J.S. Burley, Tukirin et al.  
3626 3 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Piperaceae

Piper majusculum Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On fallen log. Epiphyte; flower grey - yellowish-green.

J.S. Burley, Tukirin et al.  
3627 3 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Solanaceae

Lycianthes biflora (Lour.) Bitt

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. In open area beside logging road. Herb 1 m tall; flower white; ripe fruit red.

J.S. Burley, Tukirin et al.  
3628 3 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Piperaceae

Piper arcuatum Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Climber 1.5 m tall; flower pale orange; fruit orange.

J.S. Burley, Tukirin et al.  
3629 3 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Arecaceae

cf. Calamus

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Leaf 2 m long, 15 m tall.

J.S. Burley, Tukirin et al.  
3630 3 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Piperaceae

Piper chaba Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Climber 4 m tall; flower yellowish.

J.S. Burley, Tukirin et al.  
3631 3 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Meliaceae

Aglaia cauliflora ? Kds.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Occasional on flat area. Shrub 4 m tall, 3 cm dbh; fruit orange cauliflory.

J.S. Burley, Tukirin et al.  
3633 4 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Bryophyte on the trunk of a tree.

J.S. Burley, Tukirin et al.  
3636 4 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Pandanaceae

Freycinetia gaudichaudii Bemm.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Climber 8 m tall; young fruit yellowish-green.

J.S. Burley, Tukirin et al.  
3637 4 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Piperaceae

Piper

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Climber 3 m tall; flower dark grey.

J.S. Burley, Tukirin et al.  
3638 4 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Gesneriaceae

Aeschynanthus radicans Jack

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On fallen log, epiphytic plant; flower red with violet calyx tube.

J.S. Burley, Tukirin et al.  
3639 4 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Zingiberaceae

Alpinia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. In open area along logging road. Herb 150 cm tall; fruit green.

J.S. Burley, Tukirin et al.  
3640 4 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Litsea timoriana Span.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On slope. Shrub 3 m tall, 5 cm dbh; fruit red, turning to black.

J.S. Burley, Tukirin et al.

3641 4 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sellaginellaceae

Sellaginella plana Hieron

Det. by: Ch.-M. Kuo

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Terrestrial fern, ground flora.

J.S. Burley, Tukirin et al.

3642 4 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Antidesma celebicum Miq.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 7 m tall, 11 cm dbh; outer bark light brown, soft and slightly cracked; inner bark pale yellow; young fruit green.

J.S. Burley, Tukirin et al.

3643 4 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Athyriaceae

Diplazium esculentum Sw.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. In open area near the logging road, terrestrial fern.

J.S. Burley, Tukirin et al.

3644 4 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myristicaceae

Myristica fatua Houtt.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 20 m tall, 30 cm dbh; outer bark reddish-brown, tuberculate; inner bark reddish-brown; fruit dark brown.

J.S. Burley, Tukirin et al.

3645 4 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myristicaceae

Myristica elliptica (Hk.f. et Th.) Warb.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 15 m tall, 17 cm dbh; outer bark brown, tuberculate; inner bark reddish-brown; flower pale yellow.

J.S. Burley, Tukirin et al.

3646 4 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE



PLANTS OF SULAWESI

Gnetaceae

Gnetum gnemon L.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On ridge. Small tree 6 m tall, 10 cm dbh; outer bark grey, smooth; inner bark pale yellow, fibrous; flower pale green; young fruit pale yellow.

J.S. Burley, Tukirin et al.  
3647 4 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Guttiferae

Cratoxylum sumatranum (Jack) Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Sapling or trubus 2 m tall. Bark reddish-brown; flower reddish-brown.

J.S. Burley, Tukirin et al.  
3648 4 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Araliaceae

Schefflera minahassae Harms.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On fallen log, epiphytic plant; flower bud reddish-brown.

J.S. Burley, Tukirin et al.  
3649 4 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lycopodiaceae

Lycopodium proliferum Bl.

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On fallen log, epiphytic fern.

J.S. Burley, Tukirin et al.  
3650 4 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Theaceae

Thea

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Shrub 4 m tall, 5 cm dbh; young fruit light brown.

J.S. Burley, Tukirin et al.  
3653 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sapindaceae

Lepisanthes fruticosa (Roxb.) Leenh.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Shrub 2 m tall, 3 cm dbh; fruit red, cauliflorous.

J.S. Burley, Tukirin et al.  
3654 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Araceae

Aglaonema simplex Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. By a stream, near the water. Herb 1.5 m tall, 2 cm dbh; flower pale yellow; fruit pale yellow.

J.S. Burley, Tukirin et al.  
3655 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myristicaceae

Horsfieldia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On slope. Small tree 10 m tall, 12 cm dbh; outer bark light brown, flaking slightly; inner bark reddish-brown; young fruit brown.

J.S. Burley, Tukirin et al.  
3657 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Dendrobium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On fallen log. Epiphytic orchid; flower white.

J.S. Burley, Tukirin et al.  
3660 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Dendrobium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On fallen log. Epiphytic orchid; flower purplish.

J.S. Burley, Tukirin et al.  
3662 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Marantaceae

Donax canniformis Forst.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Common as ground flora. Herb 2 m tall; flower yellowish-white; young fruit green.

J.S. Burley, Tukirin et al.  
3663 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Terrestrial orchid 80 cm tall; flower greyish-green.

J.S. Burley, Tukirin et al.  
3664 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Arecaceae

Licula

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On relatively flat area. Stem 1 m tall; petiole 2 m; terminal inflorescence; young fruit green.

J.S. Burley, Tukirin et al.  
3665 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On thea lanceolata tree; bryophyte.

J.S. Burley, Tukirin et al.  
3666 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Zingiberaceae

Riedelia Alpinia sp. nov. (sect. Alpinia  
Subsect. Cenolophan (Bl.) R. & S. Smith)  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Herb 60 cm tall; young fruit pale green.

J.S. Burley, Tukirin et al.  
3667 5 March, 1990

det. Jill Cowley (K) March 1998  
HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Athyriaceae

Diplazium asperum Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Terrestrial fern 1.5 m tall; petiole 70 cm.

J.S. Burley, Tukirin et al.  
3668 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Urticaceae

Poikilospermum sauvolens (Bl.) Merr.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Climber; flower bud green turning to purple.

J.S. Burley, Tukirin et al.  
3669 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Elaeocarpaceae

Elaeocarpus

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 17 m tall, 20 cm dbh; hanging root 1.5 m; outer bark reddish-brown, rugose; inner bark reddish-brown; flower yellowish; young fruit pale green.

J.S. Burley, Tukirin et al.  
3671 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Clusiaceae

Garcinia lateriflora Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 8 m tall, 10 cm dbh; outer bark dark brown; inner bark reddish-brown with yellow sap; young fruit pale green.

J.S. Burley, Tukirin et al.  
3670 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Apocynaceae

Tabernaemontana sphaerpcarpa Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 12 m tall, 15 cm dbh; outer bark grey, smooth; inner bark pale yellow with white sap; flower orange; fruit red.

J.S. Burley, Tukirin et al.  
3672 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Cryptocarya densiflora Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 8 m tall, 10 cm dbh; outer bark dark brown, slightly rugose; inner bark yellowish-brown; fruit reddish-brown.

J.S. Burley, Tukirin et al.  
3674 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Lasianthus stipularis Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Common as ground flora. Shrub 2 m tall; flower white; young fruit pale green.

J.S. Burley, Tukirin et al.  
3675 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus subulata Bl.

Det. by: A.C. Church

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Straggling plant; flower pale green; young fruit pale green.

J.S. Burley, Tukirin et al.  
3677 5 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sapindaceae

Nephelium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 19 m tall, 34 cm dbh; outer bark brown, rugose; inner bark reddish-white; flower bud pale green.

J.S. Burley, Tukirin et al.  
3678 6 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Thelypteridiaceae  
Pneumatopteris ? sp. nov.

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On slope, terrestrial fern; 120 cm tall.

J.S. Burley, Tukirin et al.  
3679 6 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Fabaceae  
~~Mimosa pudica~~ L. Acacia merrilli Nielsen

det. J. Barham (K) Feb. 1998  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. In open area; shrub 3 m tall, 4 cm dbh; flower white; young fruit green.

J.S. Burley, Tukirin et al.  
3680 6 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Dilleniaceae  
cf. Dillenia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Rare, on slope near a stream. Tree 11 m tall, 19 cm dbh; outer bark grey; inner bark yellowish; flower bud yellowish-white.

J.S. Burley, Tukirin et al.  
3682 6 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Tectariaceae  
Tectaria barberi (Hk.f.) Copel

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. In open area; not very common; terrestrial fern.

J.S. Burley, Tukirin et al.  
3683 6 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Melastomataceae  
Astronia macrophylla Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. River side; 11 m tall, 15 cm dbh; outer bark grey; inner bark reddish-brown; flower bud brown.

J.S. Burley, Tukirin et al.  
3685 6 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Meliaceae  
Aphanamixis grandifolia Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 18 m tall, 29 cm dbh; outer bark brown; inner bark reddish-brown; flower bud yellow-brown.

J.S. Burley, Tukirin et al.  
3687 6 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus cf. sumatrana Miq.

Det. by: A.C. Church

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small strangling fig; 3.6 cm; bark grey with white sap; fruit green, ripening to red.

J.S. Burley, Tukirin et al.

3690 6 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Loranthaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Flower yellowish-green.

J.S. Burley, Tukirin et al.

3691 6 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Epiphytic orchid; fruit green.

3692 6 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Loranthaceae

Notothixos

Det. by: A.C. Church

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'; 123°40'E; Alt. 350 m - 750 m. Flower yellowish-green; fruit green.

J.S. Burley, Tukirin et al.

3693 6 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sapotaceae

Palaquium obtusifolium Burck.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 18 m tall, 29 cm dbh; outer bark brown, fissured; inner bark reddish-brown; flower brown; fruit green.

J.S. Burley, Tukirin et al.

3694 6 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Litsea fulva F. Mill

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m.

J.S. Burley, Tukirin et al.

3695 6 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Meliaceae

Aglaia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On slope near river side. Small tree 3 m tall, 5 cm dbh; bark greenish-brown; flower white; fruit green.

J.S. Burley, Tukirin et al.  
3696 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Gesneriaceae

Cyrtandra

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Near river side. Shrub 2 m tall, 3 cm dbh; flower white.

J.S. Burley, Tukirin et al.  
3697 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Argostemma montanum Bl. ex DC.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On slope above the river. Herb; flower white.

J.S. Burley, Tukirin et al.  
3698 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Begoniaceae

Begonia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On slope, near stream. Herb; flower white-pink.

J.S. Burley, Tukirin et al.  
3699 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Piperaceae

Piper canium Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On slope above river, in a relatively "disturbed" forest. Climber up to 6 m tall; stem hairy; fruit green ripening to orange.

J.S. Burley, Tukirin et al.  
3700 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Gesneriaceae

Cyrtandra

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Herb; flower white.

J.S. Burley, Tukirin et al.  
3701 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Lasianthus stipularis Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small shrub; 60 cm tall; fruit violet.

J.S. Burley, Tukirin et al.  
3702 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Mycetia javanica Reinw.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Herb; 50 cm tall; fruit white.

J.S. Burley, Tukirin et al.  
3703 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Ophiorrhiza bracteata Korth.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On slope with close canopy. Herb; flower brownish-green.

J.S. Burley, Tukirin et al.  
3704 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 7 m tall, 8 cm dbh; outer bark grey; inner bark yellowish-brown; flower white; fruit greenish.

J.S. Burley, Tukirin et al.  
3705 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Thymelaceae

Phaleria capitata Jack.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. River side. Small tree 5 m tall, 5 cm dbh; outer bark grey; inner bark white; flower white.

J.S. Burley, Tukirin et al.  
3707 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myrtaceae

Syzygium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. River side, common. Tree 10 m tall, 19 cm dbh; outer bark brown; inner bark yellowish-brown; young fruit green.

J.S. Burley, Tukirin et al.  
3708 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE



PLANTS OF SULAWESI

Myrtaceae

Syzygium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. River side. Small tree 7 m tall, 9 cm dbh; outer bark brown; inner bark yellowish-brown; young fruit green.

J.S. Burley, Tukirin et al.  
3709 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Dilleniaceae

Saurauia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. River side. Small tree 7.5 m tall, 10 cm dbh; outer bark brown; inner bark yellowish-brown; flower white.

J.S. Burley, Tukirin et al.  
3710 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Endiandra

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 8 m tall, 6 cm dbh; outer bark grey; inner bark yellow; flower brownish-white; young fruit green.

J.S. Burley, Tukirin et al.  
3711 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Acanthaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On river side. Herb; flower violet; fruit green.

J.S. Burley, Tukirin et al.  
3712 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Orophea ?enneandra Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On river side. Tree 12 m tall, 13 cm dbh; outer bark grey; inner bark pale yellow; flower yellowish-green.

J.S. Burley, Tukirin et al.  
3713 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Goniothalamus

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On river side. Small tree 6 m tall, 5 cm dbh; outer bark grey; inner bark yellowish-brown; fruit green, cauliflorous.

J.S. Burley, Tukirin et al.  
3714 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sapindaceae

Lepisanthes fruticosa (Roxb.) Leenh.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. River side. Shrub 2 m tall; flower bud green.

J.S. Burley, Tukirin et al.  
3715 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Thymelaceae

Phaleria capitata Jack

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. River side. Small tree 6 m tall, 5 cm dbh; outer bark grey, inner bark pale yellow; flower white, cauliflorous.

J.S. Burley, Tukirin et al.  
3716 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Begoniaceae

Begonia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Rare, by river side. Herb; flower pink with yellow stamens; fruit dark red.

J.S. Burley, Tukirin et al.  
3717 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Clusiaceae

Garcinia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. River side. Small tree 4 m tall, 5 cm dbh; bark dark brown; fruit red.

J.S. Burley, Tukirin et al.  
3718 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Polypodiaceae

Loxogramma wallichiana (Hk.f.) Price

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. River side. Fern growing in stone.

J.S. Burley, Tukirin et al.  
3719 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Ebenaceae

Diospyros

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. River side. Small tree 8 m tall, 7 cm dbh; outer bark black; inner bark pale yellow; young fruit green.

J.S. Burley, Tukirin et al.  
3720 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Litsea fulva F. Mill

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. River side. Tree 11 m tall, 12 cm dbh; outer bark grey; inner bark pale yellow; young fruit green, ripening to black.

J.S. Burley, Tukirin et al.

3721 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Selaginellaceae

Selaginella frondosa Warb.

Det. by: Ch.-M. Kuo

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. River side. Fern growing in stone.

3722 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Oleandraceae

Nephrolepis falcata (Cav.) C. Chr.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m.

3723 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus ? erythrosperma Miq.

Det. by: A.C. Church

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On slope. Tree 15 m tall, 15 cm dbh; bark grey, smooth.

J.S. Burley, Tukirin et al.

3724 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Dilleniaceae

Saurauia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. River side. Small tree 7 m tall, 6 cm dbh; bark light brown; fruit red, cauliflorous.

J.S. Burley, Tukirin et al.

3725 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus adenosperma Miq.

Det. by: A.C. Church

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On slope, above river. Tree 14 m tall, 20 cm dbh; bark light grey, smooth; fruit green; flower green.

J.S. Burley, Tukirin et al.

3726 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Bignoniaceae

Radermachera elegans v. St.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 4 m tall, 5 cm dbh; bark grey; flower violet with orange inside; fruit green, 30 cm long.

J.S. Burley, Tukirin et al.  
3727 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Litsea elliptica Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. River side. Small tree 4 m tall, 6 cm dbh; outer bark grey; inner bark yellowish; flower yellow.

J.S. Burley, Tukirin et al.  
3728 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Clusiaceae

Garcinia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 4 m tall, 3 cm dbh; bark dark grey with yellow sap; fruit green, ripening to yellow.

J.S. Burley, Tukirin et al.  
3729 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Randia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Shrub 3 m tall, 3 cm dbh; fruit green.

J.S. Burley, Tukirin et al.  
3731 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Gesneriaceae

Aeschynanthus

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Epiphytic plant 20 m tall; flower red.

J.S. Burley, Tukirin et al.  
3732 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Vittariaceae

Anthropium reticulatum (Forst.) Kaulf.

Det. by: Ch.-M. Kuo

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Epiphytic fern.

J.S. Burley, Tukirin et al.  
3733 7 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Dendrobium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Epiphytic orchid on fallen log; flower pale yellow with reddish spots; labellum white.

J.S. Burley, Tukirin et al.  
3734 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Polyalthia celebica Miq.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 25 m tall, 30 cm dbh; outer bark dark grey; inner bark pale yellow; flower yellowish-green; young fruit green.

J.S. Burley, Tukirin et al.  
3735 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Apocynaceae

Tabernaemontana sphaerocarpa Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Shrub 3 m tall, 5 cm dbh; flower bud orange; flower tube pale yellow; fruit orange.

J.S. Burley, Tukirin et al.  
3736 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE  
PLANTS OF SULAWESI

Myrsinaceae

Ardisia cf. lanceolata Roxb.

Det. by: A.C. Church

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 10 m tall, 10 cm dbh; outer bark grey, smooth; inner bark light brown; young fruit purplish with red peduncle.

J.S. Burley, Tukirin et al.  
3737 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Araceae

Pothos

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Climber 8 m tall; fruit red.

J.S. Burley, Tukirin et al.  
3738 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Timonius stipulosus (Scheff.) Boerl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 5 m tall, 6 cm dbh; outer bark dark grey, slightly flaking; inner bark reddish-brown; fruit reddish-brown, endocarp red.

J.S. Burley, Tukirin et al.  
3739 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

Myrsinaceae

Ardisia cf. lanceolata Roxb.

Det. By: A.C. Church  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Pangi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m-750 m. Small tree 10 m  
tall, 10 cm dbh; outer bark grey,  
smooth; inner bark light brown; young  
fruit purplish with red peduncle.

J.S. Burley, Turkirin et al.  
3737 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Araceae

Pothos

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Pangi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m -  
750 m. Climber 8 m tall; fruit red.

J.S. Burley, Turkirin et al.  
3738 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Timonius stipulosus (Scheff.) Boerl.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Pangi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m -  
750 m. Small tree 5 m tall, 6 cm dbh;  
outer bark dark grey, slightly  
flaking; inner bark reddish-brown;  
fruit reddish-brown, endocarp red.

J.S. Burley, Turkirin et al.  
3739 8 March, 1990

PLANTS OF SULAWESI

Lauraceae

Cryptocarya densiflora Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 10 m tall, 12 cm dbh; outer bark light grey; inner bark reddish-brown; fruit dark-purplish.

J.S. Burley, Tukirin et al.  
3740 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Urticaceae

Procris

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Climber 3 m tall; young fruit green.

J.S. Burley, Tukirin et al.  
3741 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Elaeocarpaceae

Elaeocarpus

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 15 m tall, 20 cm dbh; young fruit reddish-brown.

J.S. Burley, Tukirin et al.  
3742 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Asclepiadaceae

Hoya

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Epiphytic plant, flower violet.

J.S. Burley, Tukirin et al.  
3743 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Theaceae

Thea lanceolata (Bl.) Pierre

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On fallen log, epiphytic orchid; flower pale yellow.

J.S. Burley, Tukirin et al.  
3744 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Gardenia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Flat area. Small tree 7 m tall, 9 cm dbh; outer bark grey, smooth; inner bark pale yellow; fruit green.

J.S. Burley, Tukirin et al.  
3745 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 20 m tall, 22 cm dbh; bark dark grey, slightly longitudinal fissured. Innerbark pale yellow. Flower greenish brown. Fruit green.

J.S. Burley, Tukirin et al.  
3746 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Asclepiadaceae

Hoya

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Epiphytic plant, flower violet.

J.S. Burley, Tukirin et al.  
3743 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Theaceae

Thea lanceolata (Bl.) Pierre

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On fallen log, epiphytic orchid; flower pale yellow.

J.S. Burley, Tukirin et al.  
3744 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Gardenia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Flat area. Small tree 7 m tall, 9 cm dbh; outer bark grey, smooth; inner bark pale yellow; fruit green.

J.S. Burley, Tukirin et al.  
3745 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE



PLANTS OF SULAWESI

Orchidaceae  
Dendrobium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On fallen log. Epiphytic orchid; flower pale yellow.

J.S. Burley, Tukirin et al.  
3747 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Zingiberaceae  
Riedelia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Herb 50 cm tall; flower pinkish.

J.S. Burley, Tukirin et al.  
3748 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Gesneriaceae  
Aeschynanthus albidus Steud.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Epiphytic plant; flower bud greenish; fruit pale yellow, 15 cm long.

J.S. Burley, Tukirin et al.  
3749 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Fabaceae  
Desmodium laxum DC.

det. J. Barham (K) Feb. 1998  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Climber; flower white with reddish at base; young fruit reddish-green.

J.S. Burley, Tukirin et al.  
3750 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Urticaceae  
Poikilospermum sauveolens (Bl.) Merr.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Epiphytic plant 15 m tall; flower yellowish-green turning to white.

J.S. Burley, Tukirin et al.  
3752 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Ericaceae  
Vaccinium sp. nov.?

Det. by: P.F. Stevens  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On fallen log. Epiphytic plant; fruit orange turning into red.

J.S. Burley, Tukirin et al.  
3755 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Eria

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On fallen log. Epiphytic orchid; flower yellowish-green with pinkish labellum.

J.S. Burley, Tukirin et al.  
3756 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Dendrobium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On fallen log. Epiphytic orchid; flower white; labellum side lobes pinkish, mid lobes yellowish and orange at base.

J.S. Burley, Tukirin et al.  
3757 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Eria

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On fallen log. Epiphytic orchid; flower reddish-brown; fragrant.

J.S. Burley, Tukirin et al.  
3758 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On fallen log. Epiphytic orchid; flower orange with reddish-brown mid lobe; operculum black; outer petal pale orange; labellum dark orange.

J.S. Burley, Tukirin et al.  
3759 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Outer petal yellow, speckled purple; laciniate labellum yellow.

J.S. Burley, Tukirin et al.  
3760 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On fallen log. Epiphytic orchid; flower: outer petal pale green with brownish tip; labellum with daark red specks.

J.S. Burley, Tukirin et al.  
3761 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On fallen log. Epiphytic orchid; flower: outer petal cream with rose-red speckles; labellum cream.

J.S. Burley, Tukirin et al.  
3762 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Flower green with dark red stripes.

J.S. Burley, Tukirin et al.  
3763 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae  
Apendicula

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m.

J.S. Burley, Tukirin et al.  
3764 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae  
Dendrobium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Flower: outer petal pinkish-white; yellow spots on the inside of labellum.

J.S. Burley, Tukirin et al.  
3765 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae  
Dendrobium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Flower: outer petal creamy yellow; labellum greenish.

J.S. Burley, Tukirin et al.  
3766 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Pangi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Flower: outer petal greenish-yellow; pedicel and labellum purplish.

J.S. Burley, Tukirin et al.  
3667 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Flower reddish-brown.

J.S. Burley, Turkirin et al.  
3768 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Flower, outer petal green, labellum reddish-brown.

J.S. Burley, Turkirin et al.  
3769 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Dendrobium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Flower white; labellum outer lobe purple stripes; center lobe has yellow ridge.

J.S. Burley, Turkirin et al.  
3770 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Eria

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Flower bud yellow.

J.S. Burley, Turkirin et al.  
3771 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Piperaceae

Piper majusculum Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Climber; flower yellowish-green.

J.S. Burley, Turkirin et al.  
3772 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

cf. Coelogyne

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Flower: outer petal creamy white, labellum specked with brown.

J.S. Burley, Turkirin et al.  
3773 8 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Ebenaceae  
Diospyros

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Small tree 7 m  
tall, 10 cm dbh; outer bark dark  
grey, slightly fissured  
longitudinally; inner bark pale  
yellow;  
flower creamy white.

J.S. Burley, Turkirin et al.  
3774 10 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae  
cf. Trichosia

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic orchid  
on fallen log. Flower: outer petal  
yellow with reddish-brown specks,  
labellum pale yellow with red spot,  
center lobe white with pinkish spot,  
tip reddish-brown.

J.S. Burley, Turkirin et al.  
3775 10 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae  
Phalaenopsis amabilis Bl.

Det. by: E. Christianson  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic  
orchid. Flower white, labellum  
whitish-yellow.

J.S. Burley, Turkirin et al.  
3777 10 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic orchid  
on fallen log. Flower: outer petal  
white with purplish tip, labellum  
purplish.

J.S. Burley, Turkirin et al.  
3778 10 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae  
Ficus

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic plant  
on fallen log. Flower and fruit pale  
green.

J.S. Burley, Turkirin et al.  
3779 10 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Asclepiadaceae  
Dischidia

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic plant  
on fallen log. Flower tube reddish-  
brown with yellowish inside lip;  
underside of leaf purplish.

J.S. Burley, Turkirin et al.  
3780 10 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Polypodiaceae

Pyrrosia longifolia (N.L. Burm.)  
Morton

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic fern on  
tall sterculia tree.

J.S. Burley, Turkirin et al.  
3782 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Asclepiadaceae

Dischidia

Det by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic plant  
on 35 m tall sterculia tree; flower  
bud pale green.

J.S. Burley, Turkirin et al.  
3783 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Litsea cordata Hk.f.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. On slope. Tree 35  
m tall, 40 cm dbh; outer bark brown,  
rugose; inner bark reddish-brown;  
flower greenish-brown; young fruit  
green.

J.S. Burley, Turkirin et al.  
3788 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Climber up to 30  
m tall; flower greenish-brown; young  
fruit pale green.

J.S. Burley, Turkirin et al.  
3789 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Gnetaceae

Gnetum latifolium Bl.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Climber 35 m  
tall; young flower green.

J.S. Burley, Turkirin et al.  
3791 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic,  
strangling; young flower and fruit  
pale green.

J.S. Burley, Turkirin et al.  
3792 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Vitaceae

Cissus cf. simplex Blco.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Climber 5 m tall;  
flower pale green.

J.S. Burley, Turkirin et al.  
3793 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Radulina hamata (Dozy & Molk.) Buck &  
Tan

Det. by: Benito Tan  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Moss / Bryophyte  
on rotting log.

J.S. Burley, Turkirin et al.  
3794 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Campylopus crispifolius Bartr.

Det. by: Benito Tan  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic  
bryophyte on large tree.

J.S. Burley, Turkirin et al.  
3795 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Holomitrium vaginatum (Hk.f.) Brid.

Det. by: Benito Tan  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. On large, 35 m  
tall tree. Bryophyte epiphytic moss.

J.S. Burley, Turkirin et al.  
3796 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Davalliaceae

Humatata pectinata (Sm.) Desv.

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. On large, 35 m  
tall tree. Epiphytic fern.

J.S. Burley, Turkirin et al.  
3797 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Ebenaceae

Diospyros

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Large tree 40 m  
tall, 86 cm dbh; buttress 1.5 m tall;  
outer bark brown, scaly; inner bark  
reddish-brown; flower bud yellowish-  
green.

J.S. Burley, Turkirin et al.  
3798 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lycopodiaceae

cf. Lycopodium phlegmaria

Det by: Ch.- M. Kuo

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic fern on  
large tree.

J.S. Burley, Turkirin et al.  
3799 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Cananga odoratum Hk.f et Th.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. On slope area.  
Large tree, 30 m tall, 45 cm dbh;  
outer bark grey, smooth; inner bark  
pale yellow; flower yellow, fragrant;  
young fruit green.

J.S. Burley, Turkirin et al.  
3800 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Cananga odoratum Hk.f. et Th.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. On slope area.  
Large tree 45 m tall, 80 cm dbh;  
outer bark grey, smooth; inner bark  
pale yellow; flower yellow, fragrant.

J.S. Burley, Turkirin et al.  
3801 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Stereodontopsis excavata (Broth.)  
Ando

Det. by: Benito Tan  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic  
bryophyte on large tree.

J.S. Burley, Turkirin et al.  
3802 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Erythrodontium julaceum (Schwaegr.)  
Par.

Det. by: Benito Tan  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic  
bryophyte on large tree.

J.S. Burley, Turkirin et al.  
3803 11 March,  
1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Endiandra

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 40 m tall,  
60 cm dbh; buttress  
1 m tall; outer bark reddish-brown,  
flaky; inner bark red with red watery  
sap; flower pale green; fruit  
reddish-brown.

J.S. Burley, Turkirin et al.  
3804 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE



PLANTS OF SULAWESI

Elaeocarpaceae

Elaeocarpus cf. nitidus Jack

Det. by: A.C. Church

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 35 m tall,  
60 cm dbh; outer bark light brown,  
rugose; inner bark yellowish; flower  
yellowish-green; fruit reddish-brown.

J.S. Burley, Turkirin et al.  
3805 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Eria

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic orchid,  
35 m above ground  
on a large tree; young fruit pale  
green.

J.S. Burley, Turkirin et al.  
3807 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

cf. Dendrobium

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic orchid  
on large tree.

J.S. Burley, Turkirin et al.  
3808 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic orchid;  
flower outer petal yellowish-green  
with reddish-brown stripe; labellum  
white with purplish speckles;  
fragrant.

J.S. Burley, Turkirin et al.  
3809 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Dendrobium

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic orchid  
on large tree; flower bud pink with  
green tip.

J.S. Burley, Turkirin et al.  
3810 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic orchid  
on large tree; flower white.

J.S. Burley, Turkirin et al.  
3811 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Polypodiaceae

Belvisia mucronata (Fee) Copeland

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic fern on  
large tree.

J.S. Burley, Turkirin et al.  
3812 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Polypodiaceae

Pyrossia lanceolata (L.) Farwell

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic fern on  
large tree.

J.S. Burley, Turkirin et al.  
3813 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Bulbophyllum

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic orchid;  
fruit greenish-brown.

J.S. Burley, Turkirin et al.  
3814 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Litsea cordata Hk.f.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 20 m tall,  
25 cm dbh; outer bark grey, powdery;  
inner bark pale yellow; flower bud  
pale yellow.

J.S. Burley, Turkirin et al.  
3815 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic orchid  
on fallen log; flower greenish-  
yellow, labellum yellow with reddish-  
brown spot at base.

J.S. Burley, Turkirin et al.  
3816 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rhizophoraceae

Carallia brachiata Lamk.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 15 m tall,  
20 cm dbh; flower pale green.

J.S. Burley, Turkirin et al.  
3817 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae  
Coelogyne

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic orchid  
on fallen log; flower creamy white,  
labellum pale yellow, speckled brown.

J.S. Burley, Turkirin et al.  
3818 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Oleaceae  
Chionanthus nitens Kds. et Val.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. On slope area.  
Tree 20 m tall, 25 cm dbh; outer bark  
grey, rugose; inner bark reddish-  
brown; flower yellow, fragrant.

J.S. Burley, Turkirin et al.  
3819 11 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Papualthia sp. det. Mrs. G.L. Chalben (K) 1997

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 25 m tall,  
23 cm dbh; outer bark dark grey, more  
or less smooth; inner bark reddish-  
brown, fibrous; flower pale yellow to  
yellowish-green.

J.S. Burley, Turkirin et al.  
3821 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae  
Mallotus

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 15 m tall,  
17 cm dbh; outer bark grey, flaking;  
inner bark pale brown; flower  
yellowish-green.

J.S. Burley, Turkirin et al.  
3822 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic orchid,  
10 m above ground  
on small tree; flower: outer petal  
yellow with reddish-brown speckles;  
labellum pale yellow.

J.S. Burley, Turkirin et al.  
3823 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae  
Litsea accedentoides Kds. et Val.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Small tree 7 m  
tall, 10 cm dbh; outer bark grey;  
inner bark pale yellow; fruit  
reddish-brown.

J.S. Burley, Turkirin et al.  
3824 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Thymelaceae

Phaleria capitata Jack.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. On slope area.  
Shrub 2 m tall;  
fruit pink.

J.S. Burley, Turkirin et al.  
3825 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Melastomataceae

Pachycentria cf. constricta Bl.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic plant  
on fallen log. Flower reddish-brown;  
stamens white.

J.S. Burley, Turkirin et al.  
3826 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Dendrobium

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic orchid  
on fallen log; flower white.

J.S. Burley, Turkirin et al.  
3827 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Monimiaceae

cf. Palmeria

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750m. Climber 10 m tall;  
flower yellowish; young fruit pale  
green to yellowish-green.

J.S. Burley, Turkirin et al.  
3829 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Clusiaceae

Garcinia lateriflora Bl.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Small tree 6 m  
tall, 7 cm dbh; young fruit pale  
green.

J.S. Burley, Turkirin et al.  
3831 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic orchid  
on fallen log. Flower pink, labellum  
yellowish with white ridge.

J.S. Burley, Turkirin et al.  
3832 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae  
Drypetes

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Small tree 12 m  
tall, 15 cm dbh; outer bark grey,  
more or less smooth; inner bark pale  
yellow; fruit pale green-yellowish-  
green.

J.S. Burley, Turkirin et al.  
3833 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Dilleniaceae  
Saurauia minahassae Koord.

Det. by: A.C. Church  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Small tree 5 m  
tall, 7 cm dbh; flower white.

J.S. Burley, Turkirin et al.  
3835 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Papualthia sp. det. Mrs. G.L. Challen (K) 1997

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Shrub 2 m tall, 3  
cm dbh; flower pinkish.

J.S. Burley, Turkirin et al.  
3836 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae  
Polyalthia rumphii (Bl.) Merr.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Small tree 10 m  
tall, 12 cm dbh; outer bark dark  
grey, more or less smooth; inner bark  
pale yellow, fibrous; flower yellow;  
fruit brown.

J.S. Burley, Turkirin et al.  
3838 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Theaceae  
Thea lanceolata (Bl.) Pierre

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Small tree 8 m  
tall, 10 cm dbh; bark grey; flower  
white; fruit brown.

J.S. Burley, Turkirin et al.  
3839 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae  
Aporusa cf. confusa Gage

Det. by: A.C. Church  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 10 m tall,  
8 cm dbh; outer bark dark grey,  
smooth; inner bark pale yellow; fruit  
yellow.

J.S. Burley, Turkirin et al.  
3840 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myrtaceae  
Syzygium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 10 m tall, 15 cm dbh; outer bark reddish-brown, smooth; inner bark reddish-brown; flower reddish-brown; young fruit pale green.

J.S. Burley, Turkirin et al.  
3841 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Asclepiadaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Epiphytic plant on fallen log; flower pale yellow, anther white.

J.S. Burley, Turkirin et al.  
3842 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Psychotria celebica Miq.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 8 m tall, 10 cm dbh; outer bark dark grey, more or less smooth; inner bark yellowish; fruit orange.

J.S. Burley, Turkirin et al.  
3843 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Eria

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Epiphytic orchid on fallen log; flower yellowish-green.

J.S. Burley, Turkirin et al.  
3844 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Thymelaceae

Phaleria

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750m. On slope near stream. Shrub 3 m tall; fruit purplish.

J.S. Burley, Turkirin et al.  
3845 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus obscura Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Epiphytic plant on fallen log; fruit orange.

J.S. Burley, Turkirin et al.  
3846 12 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Dilleniaceae

Dillenia ochreate (Miq.) Teijsm. et  
Binn. ex Martelli

Det. by: A.C. Church

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Flat area. Tree  
15 m tall, 20 cm dbh; bark reddish-  
brown; flower bud pale green; spathe  
reddish-brown.

J.S. Burley, Turkirin et al.  
3847 13 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Clusiaceae

Garcinia

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Shrub 3 m tall, 5  
cm dbh; fruit yellow.

J.S. Burley, Turkirin et al.  
3848 13 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Leeaceae

Leea

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Shrub 2 m tall;  
flower bud pale green; fruit yellow.

J.S. Burley, Turkirin et al.  
3849 13 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Clusiaceae

Garcinia

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Shrub 5 m tall, 7  
cm dbh; young fruit pale green.

J.S. Burley, Turkirin et al.  
3850 13 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Meiothecium bogoriense Fleisch.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic  
bryophyte on Livistona trunk 20 m  
above ground.

J.S. Burley, Turkirin et al.  
3852 13 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myrsinaceae

Ardisia fuliginosa Bl.

Det. by: A.C. Church

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 15 m tall,  
12 cm dbh; outer bark reddish-brown,  
rugose; inner bark reddish-brown;  
flower bud light brown.

J.S. Burley, Turkirin et al.  
3854 13 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Nauclea maluensis Moore

Det. by: A.C. Church

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 17 m tall, 20 cm dbh; outer bark grey, slightly fissured longitudinally; inner bark yellowish-brown; young fruit green.

J.S. Burley, Turkirin et al.  
3855 13 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Arecaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Palm tree 5 m tall, 7 cm dbh; leaf blade 2 m; leaflet 1 m; leaf sheath 70 cm, reddish-orange; inflorescence 30 cm, flower white; young fruit yellowish-green turning red.

J.S. Burley, Turkirin et al.  
3856 13 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Ixora

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Shrub 2 m tall, 2 cm dbh; young fruit yellowish-green turning to red.

J.S. Burley, Turkirin et al.  
3857 13 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Polyalthia glauca Boerl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 25 m tall, 35 cm dbh; outer bark brown, more or less smooth; inner bark reddish-brown; flower yellow, fragrant.

J.S. Burley, Turkirin et al.  
3859 13 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Burseraceae

Canarium hirsutum Willd.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 20 m tall, 25 cm dbh; outer bark greyish-brown; inner bark reddish; fruit green turning to black.

J.S. Burley, Turkirin et al.  
3861 13 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Epiphytic orchid on tree 15 m above ground; young fruit pale green.

J.S. Burley, Turkirin et al.  
3862 13 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE



PLANTS OF SULAWESI

Euphorbiaceae

Mallotus moluccanus M.A.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 12 m tall,  
15 cm dbh; flower yellowish-green.

J.S. Burley, Turkirin et al.  
3863 13 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Magnoliaceae

Magnolia

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Small tree 12 m  
tall, 12 cm dbh; outer bark grey;  
inner bark yellow; flower bud green;  
fruit pinkish.

J.S. Burley, Turkirin et al.  
3864 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myristicaceae

Horsfieldia

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 13 m tall,  
18.5 cm dbh; outer bark grey; inner  
bark reddish-brown with red sap;  
fruit green.

J.S. Burley, Turkirin et al.  
3867 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

\* 3867 - see last page of labels

PLANTS OF SULAWESI

Annonaceae

Polyalthia rumphii (Bl.) Merr.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 24 m tall,  
23 cm dbh; outer bark grey; inner  
bark whitish-green; flower pale  
yellow; fruit green.

J.S. Burley, Turkirin et al.  
3869 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Psychotria celebica Miq.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Small tree 6 m  
tall; 6 cm dbh; bark grey; fruit  
orange turning to red.

J.S. Burley, Turkirin et al.  
3870 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Theaceae

Ternstroemia toquian Vill.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 22 m tall,  
30 cm dbh; outer bark light grey;  
inner bark yellowish-brown; young  
fruit green ripening to yellow.

J.S. Burley, Turkirin et al.  
3871 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Icacinaceae

Gomphandra mappioides Valet.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 10 m tall, 15 cm dbh; outer bark grey; inner bark pale yellow; flower creamy white.

J.S. Burley, Turkirin et al.  
3873 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Araceae

Aglaonema haenkei (Presl.) Schott

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Terrestrial herb 60 cm tall; fruit light red; spathe green turning pale yellow.

J.S. Burley, Turkirin et al.  
3874 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Loranthaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Parasitic plant; flower pink; fruit green.

J.S. Burley, Turkirin et al.  
3875 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Clusiaceae

Garcinia celebica L.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 9 m tall, 10 cm dbh; fruit green.

J.S. Burley, Turkirin et al.  
3876 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sapotaceae

Palaquium obtusifolium Burck.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Large tree 50 m tall, 60 cm dbh; outer bark reddish-brown; inner bark reddish with white sap; young fruit green.

J.S. Burley, Turkirin et al.  
3877 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Fagaceae

Lithocarpus

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 45 m tall, 97 cm dbh; outer bark grey; inner bark reddish-brown; flower bud pale green.

J.S. Burley, Turkirin et al.  
3878 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Neotrewia

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 11 m tall,  
18 cm dbh; outer bark brown; inner  
bark pale yellow; fruit greenish-  
brown.

J.S. Burley, Turkirin et al.  
3879 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Loganiaceae

Strychnos colubrina L.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Climber up to 20  
m tall; fruit yellowish-green.

J.S. Burley, Turkirin et al.  
3880 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Polyalthia celebica Miq.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 24 m tall,  
23 cm dbh; outer bark grey; inner  
bark light brown; flower bud green.

J.S. Burley, Turkirin et al.  
3881 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myrsinaceae

Ardisia cf. lanceolata Roxb.

Det. by: A.C. Church  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Small tree 9 m  
tall, 14 cm dbh; outer  
bark grey; inner bark reddish; fruit  
green turning pinkish when ripe.

J.S. Burley, Turkirin et al.  
3882 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Goniothalamus brevicuspis Miq.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 14 m tall,  
15 cm dbh; outer bark grey; inner  
bark reddish-brown; fruit green,  
cauliflorous.

J.S. Burley, Turkirin et al.  
3884 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Cryptocarya ferrea Bl.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 18 m tall,  
25 cm dbh; outer bark grey; inner  
bark creamy; fruit dark green.

J.S. Burley, Turkirin et al.  
3885 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Rutaceae

Citrus celebica Miq.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 12 m tall, 11 cm dbh; outer bark grey, more or less smooth; inner bark pale yellow; fruit green.

J.S. Burley, Turkirin et al.  
3886 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Poaceae

Bambusa

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Bamboo 5 - 8 cm dbh.

J.S. Burley, Turkirin et al.  
3889 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Euphorbiaceae

Baccaurea tetrandra Muell.-Arg.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 6 m tall, 10 cm dbh; outer bark grey, powdery, soft; inner bark pale yellow; young fruit green.

J.S. Burley, Turkirin et al.  
3890 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Terrestrial orchid; flower white.

J.S. Burley, Turkirin et al.  
3891 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Clusiaceae

Garcinia ? minahassensis Pierre

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 10 m tall, 11 cm dbh; outer bark greyish-brown; inner bark reddish-brown with yellow sap; young fruit pale green.

J.S. Burley, Turkirin et al.  
3892 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Euphorbiaceae

Neotrewia cf. cumingii

Det. by: P.F. Stevens  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'; 123°40'E; Alt. 350 m - 750 m. Tree 25 m tall, 25 cm dbh; outer bark grey, more or less smooth; inner bark reddish-brown; young fruit greenish.

J.S. Burley, Turkirin et al.  
3893 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Urticaceae

Nothocnide repanda (Bl.) Bl.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. In open area.  
Shrub 2.5 m tall; flower pale green.

J.S. Burley, Turkirin et al.  
3894 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Melastomataceae

Medinilla

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Climber /  
Epiphytic plant; flower pinkish-  
white.

J.S. Burley, Turkirin et al.  
3895 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Urticaceae

Leucosyke capitellata (Poir.) Wedd.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Shrub 5 m tall, 7  
cm dbh; bark grey, smooth; flower  
yellowish-green.

J.S. Burley, Turkirin et al.  
3896 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic orchid;  
flower: outer petal pale yellow with  
brown longitudinal stripe; labellum  
pale yellow.

J.S. Burley, Turkirin et al.  
3897 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Bulbophyllum

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic orchid;  
flower: outer petal greenish-brown  
with pale yellow at tips; labellum  
pale yellow with green stripe; middle  
green, speckled with brown.

J.S. Burley, Turkirin et al.  
3898 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Nauclea brassii S. Moore

Det. by: A.C. Church  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Small tree 5 m  
tall, 6 cm dbh; fruit brown.

J.S. Burley, Turkirin et al.  
3899 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Fabaceae

Derris

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Climber;  
flower white.

J.S. Burley, Turkirin et al.  
3900 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Cyathocalyx kingii Boerl.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. On slope. Tree  
35 m tall, 40 cm dbh; outer bark dark  
brown, rugose; inner bark pale  
yellow, fibrous; flower yellowish-  
green.

J.S. Burley, Turkirin et al.  
3901 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus drupacea Thunb.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Small tree 10 m  
tall, 15 cm dbh; outer bark grey,  
more or less smooth; inner bark pale  
yellow with white sap; fruit red.

J.S. Burley, Turkirin et al.  
3902 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Pandanaceae

Pandanus

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Shrub 3 m tall, 4  
cm dbh; leaf 1.5 m long; young fruit  
green.

J.S. Burley, Turkirin et al.  
3903 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Arecaceae

Pinanga

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Small tree 3 m  
tall, 5 cm dbh; leaf blade 2 m, first  
leaflet 60 cm, leaf base  
40 cm, orange; young fruit pale  
green.

J.S. Burley, Turkirin et al.  
3904 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Verbenaceae

Geunsia hexandra (Tejasm et Binn.)  
Koord.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 15 m tall,  
35 cm dbh; outer bark grey, powdery;  
inner bark pale yellow; flower pink.

J.S. Burley, Turkirin et al.  
3905 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Annonaceae

Melodorum

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Climber 20 m  
tall; flower yellowish-brown, petal  
at base red.

J.S. Burley, Turkirin et al.  
3907 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Rubiaceae

Randia cf. gynopachys Boerl.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Climber 20 m  
tall; flower bud green; young fruit  
pale green.

J.S. Burley, Turkirin et al.  
3908 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Lauraceae

Nothaphoebe malabonga (Blco.) Merr.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 20 m tall,  
20 cm dbh; outer bark grey; inner  
bark orange-white; fruit purplish.

J.S. Burley, Turkirin et al.  
3909 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Euphorbiaceae

Macaranga platyclada Pax. & Hoofm.

Det. by: A.C. Church  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Small tree 15 m  
tall, 17 cm dbh; outer bark light  
grey, more or less smooth; inner bark  
pale yellow; young fruit yellowish-  
green with brown spine.

J.S. Burley, Turkirin et al.  
3910 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Loranthaceae

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Parasitic plant  
on large tree; flower bud yellowish-  
green.

J.S. Burley, Turkirin et al.  
3911 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Myristicaceae

Gymnacranthera

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 20 m tall,  
25 cm dbh; outer bark dark brown,  
more or less smooth; inner bark  
orangish-yellow with red sap; flower  
bud orange.

J.S. Burley, Turkirin et al.  
3912 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sabiaceae

Meliosma

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 15 m tall, 17 cm dbh; outer bark light grey, more or less smooth; inner bark pale yellow; young fruit yellowish turning to red.

J.S. Burley, Turkirin et al.  
3913 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Convolvulaceae

? Ericybe

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Climber up to 15 m tall; young fruit pale green.

J.S. Burley, Turkirin et al.  
3914 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Loranthaceae

Notothixos

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Parasitic plant on large tree 20 m tall; young fruit yellowish-green.

J.S. Burley, Turkirin et al.  
3915 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Balsaminaceae

Impatiens

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On river bank. Herb; flower pink.

J.S. Burley, Turkirin et al.  
3916 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Compositae

? ~~Lactuca~~ Ixeridium laevigatum (Bl.) Pak &  
det. S. Smith (K) April 1998 Kawano

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Herb 15 cm tall; flower yellow.

J.S. Burley, Turkirin et al.  
3917 15 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Lindera

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. On ridge. Tree 25 m tall, 35 cm dbh; outer bark dark grey, more or less smooth; inner bark yellowish; flower bud brown; young fruit green.

J.S. Burley, Turkirin et al.  
3918 1 6  
March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE



PLANTS OF SULAWESI

Rubiaceae

Nauclea purpurescens Korth.

Det. by: A.C. Church  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 25 m tall,  
35 cm dbh; outer bark brown, flaky;  
inner bark reddish-brown; fruit  
brown.

J.S. Burley, Turkirin et al.  
3919 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Melastomataceae

Astronia macrophylla Bl.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 15 m tall,  
20 cm dbh; bark light grey, flower  
bud brown.

J.S. Burley, Turkirin et al.  
3920 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myristicaceae

Horsefieldia

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 15 m tall,  
25 cm dbh; outer bark reddish-brown,  
rugose; inner bark reddish-brown with  
red sap; flower yellow, fragrant.

J.S. Burley, Turkirin et al.  
3921 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Polyalthia

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 30 m tall,  
50 cm dbh; outer bark dark grey,  
smooth; inner bark orangish-yellow;  
flower green.

J.S. Burley, Turkirin et al.  
3922 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Aidia wallichiana Tirveng.

(R. oppositifolia)

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Small tree 15 m  
tall, 25 cm dbh; outer bark light  
grey, powdery; inner bark pale  
yellow; flower bud pale green; young  
fruit pale green.

J.S. Burley, Turkirin et al.  
3923 16 March,  
1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Polypodiaceae

Pyrossia lanceolata (L.) Farwell

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic fern on  
large tree.

J.S. Burley, Turkirin et al.  
3924 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sapotaceae

Palaguium obtusafolium Burck.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Tree 35 m tall,  
50 cm dbh; outer bark reddish-brown,  
flaky; inner bark reddish-brown with  
white sap; young fruit green.

J.S. Burley, Turkirin et al.  
3925 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Calymperes afzelii Sw.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Bryophyte on  
fallen log.

J.S. Burley, Turkirin et al.  
3926 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Racoplim cuspidigerum (Schwaegr.)  
Aongstr.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Bryophyte on  
rotten tree bark.

J.S. Burley, Turkirin et al.  
3927 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Racopilum cuspidigerum (Schwaegr.)  
Aongstr.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Bryophyte on  
rotten tree bark.

J.S. Burley, Turkirin et al.  
3928 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Magnoliaceae

Magnolia

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Large tree 40 m  
tall, 100 cm dbh; outer bark pale  
grey, flaking; inner bark pale  
yellow; flower bud pale yellow; young  
fruit green.

J.S. Burley, Turkirin et al.  
3930 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Monimiaceae

cf. Palmeria

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Climber up to 40  
m tall; flower bud yellowish-green.

J.S. Burley, Turkirin et al.  
3931 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 25 m tall, 30 cm dbh; outer bark dark grey, rugose; inner bark yellowish-brown; fruit green, cauliflorous.

J.S. Burley, Turkirin et al.  
3932 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Litsea

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 20 m tall, 25 cm dbh; outer bark pale brown, more or less smooth; inner bark pale brown; flower yellowish-green turning into yellowish-brown, fragrant.

J.S. Burley, Turkirin et al.  
3933 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Meliaceae

Aglaia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 25 m tall, 30 cm dbh; outer bark reddish-brown, rugose; inner bark reddish; young fruit brown.

J.S. Burley, Turkirin et al.  
3934 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Pandaceae

Galearia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 20 m tall, 25 cm dbh; outer bark grey, smooth; inner bark pale yellow; flower bud white; young fruit green.

J.S. Burley, Turkirin et al.  
3935 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Baccaurea ? tetrandra Muell.-Arg.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 10 m tall, 15 cm dbh; outer bark grey, powdery; inner bark pale yellow; fruit pale green turning to yellow.

J.S. Burley, Turkirin et al.  
3936 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Epiphytic orchid on tree 20 m above ground; flower bud pinkish-white; flower: outer petal pale yellow, labellum pale yellow with red tip.

J.S. Burley, Turkirin et al.  
3937 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Lindera

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 20 m tall, 20 cm dbh; outer bark grey, more or less smooth; inner bark reddish-brown; flower bud green.

J.S. Burley, Turkirin et al.  
3938 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myristicaceae

Knema

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 10 m tall, 15 cm dbh; outer bark reddish-brown; inner bark reddish with red sap; fruit yellowish-brown.

J.S. Burley, Turkirin et al.  
3940 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Polyalthia celebica Miq.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 12 m tall, 15 cm dbh; outer bark dark grey, smooth; inner bark pale yellow; flower yellow.

J.S. Burley, Turkirin et al.  
3941 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Litsea elliptica Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Fruit pink turning to black.

J.S. Burley, Turkirin et al.  
3942 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Loranthaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Parasitic plant on rotted tree; flower yellow; fruit pale green turning to black.

J.S. Burley, Turkirin et al.  
3943 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Timonius singularis F.V. Muell.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree about 15 m high, 16 cm dbh; flower yellow.

J.S. Burley, Turkirin et al.  
3944 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Loranthaceae

Scurrula

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Parasitic plant on rotted tree; flower yellow.

J.S. Burley, Turkirin et al.  
3945 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus sumatrana Miq.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Strangler 35 m tall; outer bark light grey, rugose; inner bark pale yellow with white sap; flower / fruit green.

J.S. Burley, Turkirin et al.  
3946 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Large strangler 40 m tall; outer bark light grey, rugose; inner bark withish with white sap; fruit orange.

J.S. Burley, Turkirin et al.  
3947 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Meliaceae

Aphanamixis

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 20 m tall, 30 cm dbh; outer bark dark grey, rugose; inner bark reddish-brown; flower bud pale green.

J.S. Burley, Turkirin et al.  
3948 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus sagittata Vahl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Stangler 25 m tall; fruit red.

J.S. Burley, Turkirin et al.  
3949 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Dendrobium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Epiphytic orchid on trunk of rotted tree; flower bud greenish-brown.

J.S. Burley, Turkirin et al.  
3950 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Aidia wallichiana Tirveng.  
(Randia oppositifolia) Roxb.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Climber 10 m  
tall; flower bud pale green; fruit  
orangish.

J.S. Burley, Turkirin et al.  
3951 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus sundaica Bl.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. On slope.  
Strangler tree 35 m tall; bark grey,  
rugose; fruit pink.

J.S. Burley, Turkirin et al.  
3952 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Tiliaceae

Grewia/Microcos

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Climber on large  
tree 25 m tall;  
young fruit greyish-green.

J.S. Burley, Turkirin et al.  
3953 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Large tree 40 m  
tall; fruit green turning to black.

J.S. Burley, Turkirin et al.  
3954 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Polypodiaceae

Goniophlebium persicifolium (Desv.)  
Bedd.

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic fern on  
tree.

J.S. Burley, Turkirin et al.  
3955 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Polypodiaceae

Pyrossia nummularifolia (Sw.) Ching

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic fern on  
fallen tree.

J.S. Burley, Turkirin et al.  
3956 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Litsea elliptica Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Small tree 10 m tall, 10 cm dbh; outer bark light grey, more or less smooth; inner bark pale yellow; young fruit pale green turning to pinkish.

J.S. Burley, Turkirin et al.  
3957 16 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Cyathocalyx petiolatus Diels.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 13 m tall, 16 cm dbh; outer bark dark grey; inner bark pale yellow; fruit green.

J.S. Burley, Turkirin et al.  
3958 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Polypodiaceae

Lepisorus longifolius (Bl.) Holtt.

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Epiphytic fern on fallen tree.

J.S. Burley, Turkirin et al.  
3959 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Dendrobium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Epiphytic orchid on fallen tree; flower yellow.

J.S. Burley, Turkirin et al.  
3960 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myristicaceae

Horsefieldia parviflora ? (Roxb.)  
Sinclair

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 25 m tall, 22 cm dbh; outer bark dark grey; inner bark reddish-brown with red sap; fruit green turning yellow when ripe; flower bud greenish.

J.S. Burley, Turkirin et al.  
3961 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Asteraceae

Veronia arborea Welw. ex O. Hoffm.

Conf! S. Smith (K) April 1998

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m - 750 m. Tree 35 m tall, 41 cm dbh; outer bark light grey, smooth; inner bark creamy; flower white.

J.S. Burley, Turkirin et al.  
3962 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Vitaceae

Cissus adnata Roxb.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Climber to 12 m  
tall; flower bud greenish-brown;  
fruit green.

J.S. Burley, Turkirin et al.  
3963 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Piperaceae

Piper

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Climber to 12 m  
tall; fruit green - brownish.

J.S. Burley, Turkirin et al.  
3964 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Aspleniaceae

Asplenium macrophyllum Sw.

Det. by: Ch.-M. Kuo

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic fern on  
the branch of a fallen tree.

J.S. Burley, Turkirin et al.  
3965 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Epiphytic orchid;  
flower pinkish.

J.S. Burley, Turkirin et al.  
3966 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Tree 25 m tall,  
33 cm dbh; outer bark grey, smooth;  
inner bark white with white sap;  
fruit green turning yellow when ripe.

J.S. Burley, Turkirin et al.  
3967 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Lindera

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Tree 12 m tall,  
15 cm dbh; outer bark grey; more or  
less smooth; inner bark yellowish;  
flower yellowish-brown.

J.S. Burley, Turkirin et al.  
3968 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE



PLANTS OF SULAWESI

Myristicaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Tree 13 m tall, 15 cm dbh; outer bark grey, inner bark reddish with red sap; fruit green turning yellowish-brown when ripe.

J.S. Burley, Turkirin et al.  
3969 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Litsea accedentoides Kds. et Val.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Small tree 5 m tall, 4 cm dbh; outer bark dark grey; inner bark yellowish; fruit green-yellow, cauliflorous.

J.S. Burley, Turkirin et al.  
3970 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Thymelaceae

Phaleria capitata Jack.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Small tree 5 m tall, 4 cm dbh; outer bark grey; inner bark pale yellow; flower pale yellow.

J.S. Burley, Turkirin et al.  
3971 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Urticaceae

Oreocnide sylvatica Bl.

Det. by: A.C. Church  
Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Small tree/shrub 5 m tall, 20 cm dbh; flower white.

J.S. Burley, Turkirin et al.  
3972 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myristicaceae

Knema

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Tree 15 m tall, 20 cm dbh; outer bark grey, smooth; inner bark reddish-brown with red sap; flower bud brown.

J.S. Burley, Turkirin et al.  
3973 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Verbenaceae

Callicarpa cf. candicans (Burm.f.)  
Hochr.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Small tree/shrub 2 m tall; flower white; fruit green turning violet when ripe.

J.S. Burley, Turkirin et al.  
3974 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Gesneriaceae

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Herb 60 cm tall;  
flower pinkish.

J.S. Burley, Turkirin et al.  
3975 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Cucubitaceae

Momordica cochinchinensis Spr.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Climber; flower  
pale yellow inside with yellow and  
greenish stripe.

J.S. Burley, Turkirin et al.  
3976 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rosaceae

Rubus moluccanus Bl.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Climber up to 8  
m tall; fruit red.

J.S. Burley, Turkirin et al.  
3977 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Tricalysia minahassae Kds.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Small tree 12 m  
tall, 11 cm dbh; flower greenish;  
fruit green.

J.S. Burley, Turkirin et al.  
3978 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus botryocarpa Miq.

Det. by: A.C. Church  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Small tree 13 m  
tall, 13 cm dbh; bark grey, smooth;  
fruit green, cauliflorous.

J.S. Burley, Turkirin et al.  
3979 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myrsinaceae

Ardisia cf. fuliginosa Bl.

Det. by: A.C. Church  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Small tree/shrub  
4 m tall, 3.4 cm dbh; flower white.

J.S. Burley, Turkirin et al.  
3980 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Liliaceae  
Pleomele

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Shrub 8 m tall,  
10 cm dbh; flower pale yellow.

J.S. Burley, Turkirin et al.  
3981 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae  
Preynia

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Shrub 2 m tall,  
3 cm dbh; flower bud green; fruit  
red.

J.S. Burley, Turkirin et al.  
3982 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Oleandraceae  
Arthropteris auriculata  
(Brackenridge) C.Chr.

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. River bank.  
Fern on stone.

J.S. Burley, Turkirin et al.  
3983 17 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Vitaceae  
Tetrastigma

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Climber 3 m  
tall; flower white.

J.S. Burley, Turkirin et al.  
3984 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Apocynaceae  
Voacanga grandigolia (Miq.) Rolfe

Det. by: A.J.M. Leeuwenberg  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Small tree 7 m  
tall, 6 cm dbh; flower white.

J.S. Burley, Turkirin et al.  
3985 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Clusiaceae  
Garcinia

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Small tree 8 m  
tall, 5 cm dbh; young fruit green.

J.S. Burley, Turkirin et al.  
3986 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Shrub 3 m tall,  
3.1 cm dbh; flower yellowish-green.

J.S. Burley, Turkirin et al.  
3993 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Araceae

Aglaonema nitidum (Jack.) Kunth.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Herb 45 cm tall;  
spathe greenish-orange; fruit red.

J.S. Burley, Turkirin et al.  
3994 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Vitaceae

Cissus repens ? Lamk.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Climber 4 m  
tall; fruit light brown; underside of  
leaf dark red.

J.S. Burley, Turkirin et al.  
3995 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Acanthaceae

Hemigraphis reptans (Forst.) T.  
Anders

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. On slope. Herb  
on rock; flower white; underside of  
leaf reddish-brown.

J.S. Burley, Turkirin et al.  
3996 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Calyptothecium recurvulum (Broth. ex  
C.M.) Broth

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Bryophyte on  
sandy rock.

J.S. Burley, Turkirin et al.  
3997 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Thuidium plumulosum (Dozy & Molk.)  
Dozy & Molk

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Bryophyte on  
sandy rock.

J.S. Burley, Turkirin et al.  
3998 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Oleandraceae

Arthropteris auriculata  
(Brackemrdige) C.Chr.

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Epiphytic fern  
on trunk and branch of a tree.

J.S. Burley, Turkirin et al.  
3999 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Lauraceae

Cryptocarya

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. On river bank.  
Small tree 7 m tall, 7 cm dbh; bark  
grey; flower white; young fruit  
green.

J.S. Burley, Turkirin et al.  
4000 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Melastomataceae

Medinilla teysmanii Miq.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. On river bank.  
Shrub/climber 6 m tall; flower pink.

J.S. Burley, Turkirin et al.  
4001 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Dilleniaceae

Saurauia minahassae Koord.

Det. by: A.C. Church  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Shrub 4 m tall;  
flower greenish-white with brownish  
hairs.

J.S. Burley, Turkirin et al.  
4002 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Polypodiaceae

Phymatosorus nigrescens (Bl.) Carr.

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. On river bank.  
Fern on rock.

J.S. Burley, Turkirin et al.  
4003 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Thymelaceae

Phaleria capitata Jack

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. On river bank.  
Small tree 3 m tall, 2 cm dbh; flower  
white; fruit red.

J.S. Burley, Turkirin et al.  
4004 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Clusiaceae

Garcinia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Small tree 5 m tall, 8 cm dbh; bark yellowish; fruit green turning yellow when ripe, 3 cm diameter.

J.S. Burley, Turkirin et al.  
4005 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Gesneriaceae

Cyrtandra bruteliana Koord.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Herb; flower white.

J.S. Burley, Turkirin et al.  
4006 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Wilsoniella decipiens (Mitt.) Alston

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Bryophyte on the ground.

J.S. Burley, Turkirin et al.  
4007 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Icacinaceae

Gomphandra mappioides Valet.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Tree 38 m tall, 40 cm dbh; bark grey, smooth; flower pale green.

J.S. Burley, Turkirin et al.  
4008 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sapindaceae

Nephelium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Tree 25 m tall, 30 cm dbh; outer bark grey, rugose; inner bark reddish-brown; flower pale yellow.

J.S. Burley, Turkirin et al.  
4009 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Epiphytic orchid on small tree; flower white.

J.S. Burley, Turkirin et al.  
4011 18 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Litsea accedentoides Kds. et Val.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Small tree 10 m  
tall, 15 cm dbh; bark grey; fruit  
green turning to black.

J.S. Burley, Turkirin et al.  
4012 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Small tree 8 m  
tall, 10 cm dbh; outer bark dark  
grey, smooth; inner bark yellowish-  
brown; fruit light green.

J.S. Burley, Turkirin et al.  
4013 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Celastraceae

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Small tree 10 m  
tall, 12 cm dbh; outer bark grey,  
rugose; inner bark whitish-brown with  
yellow sap.

J.S. Burley, Turkirin et al.  
4014 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Clusiaceae

Garcinia maluensis Ltb.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Small tree 12 m  
tall, 15 cm dbh; outer bark dark grey,  
more or less smooth; inner bark  
reddish; fruit pale green turning to  
reddish-brown with yellow sap.

J.S. Burley, Turkirin et al.  
4015 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Connaraceae

Rourea minor (Gaertn.) Leenh.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Climber on small  
tree; flower bud red.

J.S. Burley, Turkirin et al.  
4016 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Urticaceae

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Panggi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m. - 750 m. Herb 1.5 m tall,  
flower white; understory ground  
cover.

J.S. Burley, Turkirin et al.  
4017 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Tree 20 m tall, 30 cm dbh; outer bark dark grey, rugose; inner bark reddish-brown; flower greyish-green.

J.S. Burley, Turkirin et al.  
4018 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Melastomataceae  
Medinilla

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Climber on small tree 15 m tall; flower pinkish-white.

J.S. Burley, Turkirin et al.  
4019 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Clusiaceae  
Garcinia

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Small tree 5 m tall, 8 cm dbh; outer bark grey, rugose; inner bark reddish-brown with yellow sap; flower red; young fruit pale green.

J.S. Burley, Turkirin et al.  
4020 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae  
Dendrobium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Epiphytic orchid on rotten tree; flower pinkish-white; labellum white with yellow ridge.

J.S. Burley, Turkirin et al.  
4021 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae  
Dendrobium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Epiphytic orchid on rotten tree; floer bud pinkish-white.

J.S. Burley, Turkirin et al.  
4022 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae  
Aporusa frutescens Bl.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Small tree 10 m tall, 15 cm dbh; outer park light grey, powdery, flaking; inner bark pale yellow; fruit yellow.

J.S. Burley, Turkirin et al.  
4023 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE



## PLANTS OF SULAWESI

## Orchidaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Epiphytic orchid on rotten tree. Flower white turning into yellow; labellum pink turning to reddish-brown.

J.S. Burley, Turkirin et al.  
4025 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Sapindaceae  
Lepisanthes

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Shrub 2 m tall, 2 cm dbh; bark grey; flower: tepal reddish-brown, sepal greenish-brown; young fruit green.

J.S. Burley, Turkirin et al.  
4026 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Vitaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Climber; flower bud yellowish-green.

J.S. Burley, Turkirin et al.  
4027 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Zingiberaceae

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Open area. Herb up to 3 m tall; petiole 70 cm long; leaf blade 45 cm long, 15 cm wide; fruit at ground; reddish-brown, edible, sour.

J.S. Burley, Turkirin et al.  
4029 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## \* PLANTS OF SULAWESI

## Theaceae

Ternstoemia toquian Vill.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Small tree 15 m tall, 20 cm dbh; outer bark grey, smooth, powdery; inner bark reddish-brown; flower brownish-yellow.

J.S. Burley, Turkirin et al.  
4030 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Myrtaceae

Syzygium

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Small tree 17 m tall, 25 cm dbh; bark grey; flower bud pale green.

J.S. Burley, Turkirin et al.  
4031 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

\* 4030 - see last page of labels -  
different format, but info  
the same

## PLANTS OF SULAWESI

## Myristicaceae

Myristica

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Tree 30 m tall, 35 cm dbh; outer bark greyish-brown, slightly flaking; inner bark reddish-brown with red sap; flower yellow.

J.S. Burley, Turkirin et al.  
4033 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Orchidaceae

Agrostophyllum

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Epiphytic orchid on rotten tree; flower pale yellow.

J.S. Burley, Turkirin et al.  
4034 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Asteraceae

Vernonia arborea Welw. ex O. Hoffm.

Conf! S. Smith (K) April 1998

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Tree 35 m tall, 40 cm dbh; outer bark grey, powdery, flaking; inner bark creamy; flower white.

J.S. Burley, Turkirin et al.  
4035 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Euphorbiaceae

Drypetes macrophylla Pax. et Hoffm.

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Shrub 4 m tall, 5 cm dbh; flower bud green.

J.S. Burley, Turkirin et al.  
4036 1 9  
March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Polypodiaceae

Lecanopteris sarcopus (Teijsm. & Binn.) Copel

Sulawesi Utara; 220 km W. of Manado; 50 km inland from Panggi, on tributary of Sungai Ilanga. 0°41'N; 123°40'E; Alt. 350 m. - 750 m. Epiphytic fern on rotten tree.

J.S. Burley, Turkirin et al.  
4037 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Sapotaceae

Madhuca

Sulawesi Utara; 250 km W. of Gorontalo; 75 km inland from Papayuto, on tributary of Sungai Papayuto. 0°45'N; 121°30'E; Alt. 150 m. Flat area. Tree 10 m tall, 20 cm dbh; outer bark reddish-brown, rugose; inner bark reddish-brown with white sap; flower white.

J.S. Burley, Turkirin et al.  
4038 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## Moraceae

Ficus

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Tree 30 m tall, 35  
cm dbh; outer bark grey, smooth;  
inner bark pale yellow with white  
sap; fruit pale green turning into  
red.

J.S. Burley, Turkirin et al.  
4039 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Euphorbiaceae

? Macaranga

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Small tree 7 m tall,  
10 cm dbh; outer bark grey, smooth;  
inner bark reddish-brown; flower  
yellowish-white.

J.S. Burley, Turkirin et al.  
4040 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Clusiaceae

Garcinia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Tree 15 m tall, 20  
cm dbh; outer bark brownish-grey,  
smooth; inner bark pale yellow with  
transparent sap; flower bud pale  
green.

J.S. Burley, Turkirin et al.  
4041 25 March, 1990

HARVARD UNIVERSITY HERBARIA

## PLANTS OF SULAWESI

Moraceae

Ficus

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Strangler 35 m tall;  
outer bark greyish-brown, rugose;  
inner bark pale yellow with white  
sap; fruit yellow.

J.S. Burley, Turkirin et al.  
4042 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Euphorbiaceae

Mallotus oblongifolius M.A.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Small tree 7 m tall,  
6 cm dbh; outer bark grwy, smooth;  
inner bark reddish-brown; flower bud  
green.

J.S. Burley, Turkirin et al.  
4043 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Euphorbiaceae

Aporosa frutescens Bl.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Tree 15 m tall, 20 cm  
dbh; outer bark reddish-brown,  
rugose; inner bark reddish-brown;  
flower bud yellow.

J.S. Burley, Turkirin et al.  
4044 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Meliaceae

Dysoxylum

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Small tree 7 m tall,  
10 cm dbh; outer bark grey, powdery,  
slightly flaking; inner bark pale  
yellow; flower yellowish-white.

J.S. Burley, Turkirin et al.  
4045 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Euphorbiaceae

Baccaurea plurilocularis J.J.S.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree 7 m tall, 8 cm dbh;  
outer bark grey, slightly flaking;  
inner bark pale yellow; flower  
yellow; fragrant.

J.S. Burley, Turkirin et al.  
4047 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Tiliaceae

Microcos stylocarpa Burr.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Tree 25 m tall, 25 cm  
dbh; outer bark greyish-brown, more  
or less smooth; inner bark pale  
brown; flower yellowish-green.

J.S. Burley, Turkirin et al.  
4048 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Annonaceae

Melodorum latifolium Dunn.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber on rotten tree. Flower  
pale brown; fruit green.

J.S. Burley, Turkirin et al.  
4049 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Rubiaceae

Randia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Shrub 3 m tall, 4 cm  
dbh; fruit pale green turning to  
yellowish-green.

J.S. Burley, Turkirin et al.  
4050 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Apocynaceae

Tabernaemontana pauciflora Bl.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Shrub 1 m tall; young  
fruit pale green; flower bud green.

J.S. Burley, Turkirin et al.  
4051 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Connaraceae

Rourea minor (Gaertn.) Leenh.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 20 m tall; flower creamy  
white, fragrant.

J.S. Burley, Turkirin et al.  
4052 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Annonaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 12 m tall, 15 cm dbh; outer  
bark dark brown, rugose; inner bark  
reddish-brown, fibrous; flower yellow  
with green at base, young fruit  
brownish-green.

J.S. Burley, Turkirin et al.  
4053 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Icacinaceae

Gonocaryum calleryanum (Baill.) Becc.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Small tree 10 m tall,  
12 cm dbh; outer bark grey, smooth;  
inner bark pale yellow; flower pale  
green.

J.S. Burley, Turkirin et al.  
4054 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Orchidaceae

Vanilla

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 10 m tall; flower bud  
pale green with white peduncle.

J.S. Burley, Turkirin et al.  
4055 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Myrtaceae

Syzygium

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Small tree 10 m tall,  
10 cm dbh; outer bark light grey  
slightly flaking; inner bark pale  
yellow; young fruit pale green.

J.S. Burley, Turkirin et al.  
4056 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Tiliaceae

Microcos stylocarpa Burr.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Small tree 15 m tall,  
17 cm dbh; outer bark light grey,  
smooth; inner bark pale brown; flower  
yellow.

J.S. Burley, Turkirin et al.  
4057 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Miliaceae

Aglaia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Small tree 10 m tall,  
12 cm dbh; outer bark brown, smooth;  
inner bark reddish-brown; young fruit  
brown.

J.S. Burley, Turkirin et al.  
4058 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Dilleniaceae

Dillenia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Small tree 15 m tall,  
17 cm dbh; outer bark reddish,  
slightly flaking, powdery; inner bark  
reddish-brown; flower yellow, spathe  
creamy white.

J.S. Burley, Turkirin et al.  
4059 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Araceae

Pothos rumphii Schott.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 15 m tall; fruit pale  
green turning to orange.

J.S. Burley, Turkirin et al.  
4060 25 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Lecythidaceae  
Planchonia valida Bl.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 30 m tall, 30 cm dbh; outer  
bark greyish-brown, flaking; inner  
bark reddish-brown; flower: corolla  
pale green; stamen whitish, with red  
at base, fragrant.

J.S. Burley, Turkirin et al.  
4061 26 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Burseraceae  
Canarium hirsutum Willd.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 30 m tall, 30 cm dbh; outer  
bark grey, rugose; inner bark  
reddish-brown with white lates; fruit  
green turning to black.

J.S. Burley, Turkirin et al.  
4062 26 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Meliaceae  
Aglaia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 20 m tall, 19 cm dbh; outer  
bark light grey, rugose; inner bark  
reddish-brown; flower bud brownish-  
green.

J.S. Burley, Turkirin et al.  
4064 26 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Lauraceae  
Cryptocarya

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Tree 30 m tall, 35 cm  
dbh; outer bark brown, rugose; inner  
bark reddish-brown; flower bud  
yellowish-green; young fruit dark  
green.

J.S. Burley, Turkirin et al.  
4065 26 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Euphorbiaceae  
Antidesma

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Small tree 10 m tall,  
12 cm dbh; outer bark grey, powdery;  
inner bark pale yellow.

J.S. Burley, Turkirin et al.  
4067 26 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Dilleniaceae  
Dillenia ochreate Miq.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Small tree 10 m tall,  
15 cm dbh; outer bark dark brown,  
rugose; inner bark reddish-brown;  
flower bud pale green.

J.S. Burley, Turkirin et al.  
4068 26 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Baccaurea ? plurilocularis J.J.S.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree 7 m tall, 10 cm dbh;  
flower yellow turning to red.

J.S. Burley, Turkirin et al.  
4069 26 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myristicaceae

Horsfieldia parviflora (Roxb.)  
Sinclair

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 35 m tall, 30 cm dbh; outer  
bark reddish-brown, rugose; inner  
bark reddish-brown with red sap;  
fruit orange; seed with red aril,  
totally closed.

J.S. Burley, Turkirin et al.  
4070 26 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Gardenia forbesii

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Small tree 10 m tall,  
10 cm dbh; outer bark dark grey,  
rugose; inner bark yellowish-brown;  
fruit green.

J.S. Burley, Turkirin et al.  
4071 26 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Apocynaceae

Willughbeia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber up to 20 m tall; flower  
bud yellow.

J.S. Burley, Turkirin et al.  
4072 26 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Oxalidaceae

Averrhoa bilimbi L.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Shrub/small tree 7 m tall, 10 cm  
dbh; outer bark dark grey, smooth;  
inner bark pale yellow; flower white;  
fruit green, very sour.

J.S. Burley, Turkirin et al.  
4073 26 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Drypetes macrophylla Pax. et Hoffm.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree 10 m tall, 10 cm dbh;  
flower bud green.

J.S. Burley, Turkirin et al.  
4074 26 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE



PLANTS OF SULAWESI

Acanthaceae

Justicia gendarussa Burm.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Shrub; flower white  
with brown spots.

J.S. Burley, Turkirin et al.  
4075 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree 6 m tall, 7 cm dbh;  
outer bark brown, rugose, powdery;  
inner bark pale yellow; flower white.

J.S. Burley, Turkirin et al.  
4076 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Meliaceae

Dysoxylum

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree 8 m tall, 10 cm dbh;  
outer bark grey, smooth; inner bark  
reddish-brown; young fruit pale  
green.

J.S. Burley, Turkirin et al.  
4077 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sabiaceae

Meliosma lanceolata Bl.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 15 m tall, 30 cm dbh; outer  
bark grey, more or less smooth; inner  
bark reddish-brown; flower creamy  
white, fragrant; young fruit green.

J.S. Burley, Turkirin et al.  
4078 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Epiphytic planton tree; flower  
pinkish.

J.S. Burley, Turkirin et al.  
4079 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Magnoliaceae

Talauma lillifera O.K.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 12 m tall, 20 cm dbh; outer  
bark greyish-brown, rugose; inner  
bark pale yellow; flower bud light  
brown; fruit green.

J.S. Burley, Turkirin et al.  
4080 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Epiphytic plant on magnolia tree;  
flower bud green.

J.S. Burley, Turkirin et al.  
4081 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Apocynaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Shrub 1 m tall; flower white.

J.S. Burley, Turkirin et al.  
4083 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sapotaceae

Madhuca

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 15 m tall, 20 cm dbh; outer  
bark light brown, rugose; inner bark  
reddish-brown with white sap; flower  
white, fragrant.

J.S. Burley, Turkirin et al.  
4084 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Glochidion album (Blco.) Boerl.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree 5 m tall, 7 cm dbh;  
outer bark light grey, powdery,  
flaking; inner bark creamy.

J.S. Burley, Turkirin et al.  
4085 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Schizaeaceae

Lygodium circinatum Sw.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Terrestrial climber fern about 5  
m tall.

J.S. Burley, Turkirin et al.  
4086 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Dilleniaceae

Saurauia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree 7 m tall, 8 cm dbh;  
bark light grey; flower white with  
yellow stamens.

J.S. Burley, Turkirin et al.  
4087 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Elaeocarpaceae

Elaeocarpus

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 20 m tall, 30 cm dbh; outer  
bark light grey, smooth; inner bark  
reddish-brown; flower red; young  
fruit orange turning to red.

J.S. Burley, Turkirin et al.  
4088 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorb./Flacourt.

Hydnocarpus

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber; flower bud creamy white.

J.S. Burley, Turkirin et al.  
4089 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Ebenaceae

Diospyros

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Shrub 2 m tall; flower white.

J.S. Burley, Turkirin et al.  
4090 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rosaceae

Atuna excelsa Bth.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Tree 25 m tall, 45  
cm dbh; outer bark dark brown,  
smooth; inner bark reddish-brown;  
fruit pale brown.

J.S. Burley, Turkirin et al.  
4091 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myrtaceae

Syzygium

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree/shrub 5 m tall, 6 cm  
dbh; outer bark dark grey; inner bark  
reddish-brown; flower bud pale green;  
young fruit green.

J.S. Burley, Turkirin et al.  
4092 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Fabaceae

Derris

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber; young fruit green.

J.S. Burley, Turkirin et al.  
4093 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Urticaceae

Elatostema cf. acuminata (Poir.)  
Brongn.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Along river bank. Herb; flower  
pinkish-white.

J.S. Burley, Turkirin et al.  
4095 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Ixora

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Shrub 1 m tall; flower orangish-  
red.

J.S. Burley, Turkirin et al.  
4096 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Araceae

Schismatoglottis

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Herb; spathe white; flower pale  
green.

J.S. Burley, Turkirin et al.  
4097 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Thymelaceae

Phaleria capitata Jack.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Shrub 2 m tall, 2 cm dbh; flower  
creamy; fruit pinkish-green.

J.S. Burley, Turkirin et al.  
4098 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Staphylaceae

Turpinia sphaerocarpa Hassk.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 20 m tall, 25 cm dbh; outer  
bark grey, slightly fissured  
longitudinally; inner bark brown;  
flower white.

J.S. Burley, Turkirin et al.  
4099 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Vitaceae

Tetrastigma

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber; fruit green.

J.S. Burley, Turkirin et al.  
4100 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Baccaurea ? plurilocularis J.J.S.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Shrub 3 m tall, 3 cm  
dbh; flower yellow.

J.S. Burley, Turkirin et al.  
4101 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Verbenaceae

Premna ? obtusifolia R.Br.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Shrub 5 m tall; fruit greenish  
turning to black.

J.S. Burley, Turkirin et al.  
4102 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rutaceae

Micromelum pubescens Bl.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 15 m tall, 20 cm dbh; outer  
bark light grey, smooth; inner bark  
pale yellow; flower white, fragrant;  
fruit light red.

J.S. Burley, Turkirin et al.  
4103 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Blumeodendron

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 15 m tall, 20 cm dbh; outer  
bark dark grey, smooth; inner bark  
brown; flower cream, fragrant; fruit  
brown.

J.S. Burley, Turkirin et al.  
4104 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Ebenaceae

Diospyros

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 15 m tall, 20 cm dbh; outer  
bark dark grey, smooth; inner bark  
brown; flower cream, fragrant; fruit  
brown.

J.S. Burley, Turkirin et al.  
4105 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Dendrobium

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Epiphytic orchid, flower: outer  
petal white with longitudinal red  
stripe, turning black (labellum  
side), lobe purplish, peduncle  
purplish, bracts yellow.

J.S. Burley, Turkirin et al.  
4106 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Codiaeum

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Shrub 5 m tall; flower bud pale  
green.

J.S. Burley, Turkirin et al.  
4107 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Acanthaceae

Hemigraphis

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Herb; flower white.

J.S. Burley, Turkirin et al.  
4108 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Asteraceae

~~Lactuca~~ *Ixeridium laevigatum* (Bl.) Pat &  
det. S. Smith (K) April 1998 kawano  
Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Herb; flower yellow.

J.S. Burley, Turkirin et al.  
4109 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Celastraceae

Euonymus javanicus Bl.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 175  
m. River bank. Small tree 10 m  
tall, 10 cm dbh; outer bark grey,  
smooth; inner bark pale yellow;  
flower bud pale green turning to  
brown.

J.S. Burley, Turkirin et al.  
4110 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Randia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Shrub 3m tall; flower white, with  
specific smell.

J.S. Burley, Turkirin et al.  
4111 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Dilleniaceae

Saurauia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Shrub 5 m tall; flower bud  
pinkish turning to white.

J.S. Burley, Turkirin et al.  
4112 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Mallotus

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree/shrub 7 m tall, 8 cm  
dbh; fruit red with green at base.

J.S. Burley, Turkirin et al.  
4113 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Acanthaceae

Gendarrusa vulgaris

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Herb; flower white  
with reddish-brown spot.

J.S. Burley, Turkirin et al.  
4114 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Dilleniaceae

Saurauia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Shrub 3 m tall, 4 cm dbh; flower  
white with yellow anther.

J.S. Burley, Turkirin et al.  
4115 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Euphorbiaceae

Macaranga platyclada Pax. & Hoffm.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 15 m tall, 20 cm dbh; outer  
bark grey, rugose; inner bark pale  
yellow - yellowish-brown; fruit pale  
green with pinkish hair.

J.S. Burley, Turkirin et al.  
4116 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Urticaceae

Leucosyke cf. capitellata Wedd.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Shrub 3 m tall, flower pale green  
turning to creamy.

J.S. Burley, Turkirin et al.  
4117 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Urticaceae

Leucosyke candidissima Wedd.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree/shrub 6 m tall, 7 cm  
dbh; outer bark brown, smooth; inner  
bark pale yellow; flower white.

J.S. Burley, Turkirin et al.  
4118 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Sulawesi Utara; 250 km W. o  
Gorontalo; 75 km inland fro  
Papayuto, on tributary of Sunga  
Papayuto. 0°45'N; 121°30'E; Alt. 15  
m. Tree 20 m tall, 20 cm dbh; oute  
bark dark grey, smooth; inner bar  
cream; flower creamy; fruit brown.

J.S. Burley, Turkirin et al.  
4119 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Clusiaceae

Garcinia

Sulawesi Utara; 250 km W. o  
Gorontalo; 75 km inland fro  
Papayuto, on tributary of Sunga  
Papayuto. 0°45'N; 121°30'E; Alt. 20  
m. Small tree 6 m tall, 5 cm dbh  
outer bark light grey, smooth; inne  
bark reddish-brown with yellow sap  
fruit reddish-brown - dark red.

J.S. Burley, Turkirin et al.  
4120 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Euphorbiaceae

Mallotus oblongifolius M.A.

Sulawesi Utara; 250 km W. o  
Gorontalo; 75 km inland fro  
Papayuto, on tributary of Sunga  
Papayuto. 0°45'N; 121°30'E; Alt. 20  
m. Flat area. Small tree 6 m tall  
5 cm dbh; outer bark grey, smooth  
inner bark reddish-brown; flowe  
whitish-green.

J.S. Burley, Turkirin et al.  
4121 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE



PLANTS OF SULAWESI

Euphorbiaceae

Mallotus oblongifolius M.A.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Flat area. Shrub 4 m tall; young  
fruit green.

J.S. Burley, Turkirin et al.  
4122 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Icacinaceae

Gomphandra mappioides Valet.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Tree 25 m tall, 35 cm dbh; outer  
bark grey, smooth; inner bark creamy;  
flower creamy white, fragrant.

J.S. Burley, Turkirin et al.  
4123 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Polyalthia celebica Miq.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Small tree 12 m tall, 15 cm dbh;  
outer bark grey, rugose; inner bark  
reddish-brown; flower pale yellow.

J.S. Burley, Turkirin et al.  
4124 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Drypetes macrophylla Pax. et Hoffm.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Small tree 15 m tall, 20 cm dbh;  
outer bark dark grey, rugose; inner  
bark pale yellow; flower bud green.

J.S. Burley, Turkirin et al.  
4125 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Apocynaceae

Willughbeia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Climber on rotten tree; flower  
bud cream.

J.S. Burley, Turkirin et al.  
4126 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Orophea enneandra Bl.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Small tree 15 m tall, 15 cm dbh;  
outer bark dark grey, smooth; inner  
bark pale yellow, fibrous; flower  
yellowish-green; fruit green.

J.S. Burley, Turkirin et al.  
4127 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Connanaceae

Rourea minor (Gaertn.) Leenh.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Climber on small tree 10 m tall;  
flower bud yellowish-green turning to  
pink.

J.S. Burley, Turkirin et al.  
4128 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Meliaceae

Aglaia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Small tree 10 m tall, 15 cm dbh;  
petiole 85 cm long; young fruit pale  
brown.

J.S. Burley, Turkirin et al.  
4129 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Uvaria

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Climber; young fruit dark green.

J.S. Burley, Turkirin et al.  
4130 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Antidesma

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Small tree 7 m tall, 10 cm dbh;  
outer bark grey, smooth; inner bark  
yellowish-brown; fruit pink.

J.S. Burley, Turkirin et al.  
4131 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Fabaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Climber; flower white; young  
fruit green.

J.S. Burley, Turkirin et al.  
4132 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Dipterocarpaceae

Shorea

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Small tree 15 m tall, 15 cm dbh;  
outer bark dark grey, smooth; inner  
bark reddish-brown.  
(Voucher specimen).

J.S. Burley, Turkirin et al.  
4133 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Drypetes macrophylla Pax. et Hoffm.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Flat area. Small tree 10 m tall,  
15 cm dbh; outer bark grey, smooth;  
inner bark pale yellow; flower pale  
green with yellow stamen.

J.S. Burley, Turkirin et al.  
4134 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Drypetes neglecta Pax. et Hoffm.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Tree 30 m tall, 40 cm dbh; outer  
bark grey, rugose and flaking; inner  
bark yellowish-brown; fruit orange  
turning into red.

J.S. Burley, Turkirin et al.  
4135 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Araceae

Pothos rumphii Schott.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Climber on tree 20 m tall; flower  
pale green; fruit green turning to  
red.

J.S. Burley, Turkirin et al.  
4136 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Icacinaceae

Gonocaryum calleryanum (Baill.) Becc.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Slope area. Tree 20 m tall, 35  
dbh; outer bark light grey, smooth,  
inner bark reddish-brown; young fruit  
pale green.

J.S. Burley, Turkirin et al.  
4137 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus subulata Bl.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Strangler 15 m tall; flower/fruit  
yellow turning to orange.

J.S. Burley, Turkirin et al.  
4138 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Burseraceae

Canarium hirsutum Willd.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Slope area. Tree 20 m tall, 20  
cm dbh; outer bark grey, rugose,  
slightly flaking; inner bark reddish-  
brown; flower bud pale yellow.

J.S. Burley, Turkirin et al.  
4139 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Urticaceae

Poikilospermum sauveolens (Bl.) Merr.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Epiphytic plant 15 m above  
ground; flower pale yellow turning to  
brown.

J.S. Burley, Turkirin et al.  
4140 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Clusiaceae

Garcinia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Small tree 10 m tall, 11 cm dbh;  
outer bark dark brown, smooth; inner  
bark pale yellow; young fruit green.

J.S. Burley, Turkirin et al.  
4142 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Polypodiaceae

Loxogramma scolopendrioides (Gaud.)  
Morton

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Epiphytic fern on rotten tree.

J.S. Burley, Turkirin et al.  
4143 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Drypetes neglecta Pax. et Hoffm.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 200  
m. Tree 30 m tall, 40 cm dbh; outer  
bark grey, rugose and flaking; inner  
bark pale yellow; young fruit green.

J.S. Burley, Turkirin et al.  
4144 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myristicaceae

Horsfieldia parviflora (Roxb.)  
Sinclair

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Tree 25 m tall, 35 cm  
dbh; outer bark dark grey, flaking;  
inner bark reddish-brown with red  
sap; flower bud grey turning orange;  
fruit orange with red aril.

J.S. Burley, Turkirin et al.  
4145 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Apocynaceae

Willughbeia cf.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 20 m tall; flower yellow.

J.S. Burley, Turkirin et al.  
4146 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myrtaceae

Syzygium

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Tree 35 m tall, 40 cm  
dbh; outer bark reddish-brown,  
flaking; inner bark pale yellow;  
flower bud pinkish tuning into pale  
green.

J.S. Burley, Turkirin et al.  
4147 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rhamnaceae

Ziziphus

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Climber 30 m tall;  
flower yellow; young fruit pale  
green.

J.S. Burley, Turkirin et al.  
4148 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Gnetaceae

Gnetum

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 35 m tall; fruit brown.

J.S. Burley, Turkirin et al.  
4149 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Araceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 15 m tall; fruit red.

J.S. Burley, Turkirin et al.  
4150 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Urophyllum

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Flat area. Shrub 4 m tall, 5 cm  
dbh; young fruit yellowish-green.

J.S. Burley, Turkirin et al.  
4151 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sapindaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 35 m tall, 40 cm dbh; outer  
bark dark brown, smooth; inner bark  
light brown; flower bud yellowish-  
green.

J.S. Burley, Turkirin et al.  
4152 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Alangiaceae

Alangium

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 40 m tall, 35 cm dbh; outer  
bark grey, flaking; inner bark  
yellowish-brown; flower bud greyish-  
green.

J.S. Burley, Turkirin et al.  
4153 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Dipterocarpaceae

Shorea assamica Dyer ssp. koordersii

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Large tree 50 m tall, 55 cm dbh;  
outer bark dark brown, slightly  
fissured longitudinally; inner bark  
pale brown.

J.S. Burley, Turkirin et al.  
4154 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Epiphytic orchid 30 m above the  
ground on a large tree; flower brown.

J.S. Burley, Turkirin et al.  
4155 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. epiphytic orchid 25 m above the  
ground; flower yellowish-brown with  
white labellum, peduncle purplish.

J.S. Burley, Turkirin et al.  
4156 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Gnetaceae

Gnetum latifolium Bl.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber; flower pale green; fruit  
orange turning to red.

J.S. Burley, Turkirin et al.  
4157 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Gnetaceae

Gnetum cuspidatum Bl.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber; flower greyish; young  
fruit grey.

J.S. Burley, Turkirin et al.  
4158 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Araceae

Pothos hermaphroditus (Bl.) Merr.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 20 m tall; flower yellow.

J.S. Burley, Turkirin et al.  
4159 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Urticaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Epiphytic plant; flower grey.

J.S. Burley, Turkirin et al.  
4160 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Verbenaceae

Vitex negundo L.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Large tree 40 m tall, 60 cm dbh;  
outer bark light grey, powdery,  
flaking; inner bark pale yellow;  
flower bud grey.

J.S. Burley, Turkirin et al.  
4161 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myristicaceae

Horsfieldia parviflora (Roxb.)  
Sinclair

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 40 m tall, 40 cm dbh; outer  
bark dark brown, powdery, rugose;  
inner bark pale yellow with red sap;  
flower grey turning to yellow; fruit  
orange with red aril.

J.S. Burley, Turkirin et al.  
4162 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Ebenaceae

Diospyros

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 40 m tall, 40 cm dbh; outer  
bark dark grey, more or less  
fissured; inner bark reddish-brown;  
fruit pale green.

J.S. Burley, Turkirin et al.  
4163 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Polypodiaceae

Pyrrrosia

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Epiphytic fern.

J.S. Burley, Turkirin et al.  
4164 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Burseraceae

Canarium hirsutum Willd.

Sulawesi Utara; 250 km W. of  
 Gorontalo; 75 km inland from  
 Papayuto, on tributary of Sungai  
 Papayuto. 0°45'N; 121°30'E; Alt. 150  
 m. Tree 20 m tall, 25 cm dbh; outer  
 bark grey, rugose, flaking; inner  
 bark reddish-brown; fruit pale green  
 turning to black.

J.S. Burley, Turkirin et al.  
 4165 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
 HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Annonaceae

Melodorum latifolium Dunn.

Sulawesi Utara; 250 km W. of  
 Gorontalo; 75 km inland from  
 Papayuto, on tributary of Sungai  
 Papayuto. 0°45'N; 121°30'E; Alt. 150  
 m. Climber; flower yellowish-brown  
 with pinkish at base of petal,  
 fragrant.

J.S. Burley, Turkirin et al.  
 4167 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
 HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Rosaceae

Prunus arborea (Bl.) Kalkm.

Sulawesi Utara; 250 km W. of  
 Gorontalo; 75 km inland from  
 Papayuto, on tributary of Sungai  
 Papayuto. 0°45'N; 121°30'E; Alt. 150  
 m. Tree 20 m tall, 30 cm dbh; outer  
 bark dark grey, smooth; inner bark  
 reddish-brown.

J.S. Burley, Turkirin et al.  
 4168 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
 HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Meliaceae

Aglaia

Sulawesi Utara; 250 km W. of  
 Gorontalo; 75 km inland from  
 Papayuto, on tributary of Sungai  
 Papayuto. 0°45'N; 121°30'E; Alt. 150  
 m. Large tree 50 m tall, 100 cm dbh;  
 buttress 2.5 m tall; outer bark pale  
 brown, flaking; inner bark reddish-  
 brown; young fruit pale green.

J.S. Burley, Turkirin et al.  
 4169 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
 HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Rosaceae

Prunus arborea (Bl.) Kalkm.

Sulawesi Utara; 250 km W. of  
 Gorontalo; 75 km inland from  
 Papayuto, on tributary of Sungai  
 Papayuto. 0°45'N; 121°30'E; Alt. 150  
 m. Tree 30 m tall, 35 cm dbh; outer  
 bark grey, smooth; inner bark pale  
 yellow; flower brown.

J.S. Burley, Turkirin et al.  
 4170 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
 HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Moraceae

Artocarpus ?

Sulawesi Utara; 250 km W. of  
 Gorontalo; 75 km inland from  
 Papayuto, on tributary of Sungai  
 Papayuto. 0°45'N; 121°30'E; Alt. 150  
 m. Tree 25 m tall, 30 cm dbh; outer  
 bark dark brown, flaking; inner bark  
 pale yellow with white sap.

J.S. Burley, Turkirin et al.  
 4171 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
 HERBARIUM BOGORIENSE



PLANTS OF SULAWESI

Loganiaceae

Strychnos colubrina L.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber; flower greenish-white.

J.S. Burley, Turkirin et al.

4172

29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Vitaceae

Cissus repens Lamk.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 20 m tall; young fruit  
pale green.

J.S. Burley, Turkirin et al.

4173

29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Verbenaceae

Teijsmanniodendron

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 45 m tall, 80 cm dbh; outer  
bark light grey, powdery, flaking;  
inner bark pale yellow; flower  
violet.

J.S. Burley, Turkirin et al.

4175

29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Macromitrium

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Bryophyte on tree trunk.

J.S. Burley, Turkirin et al.  
4176 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 40 m tall, 50 cm dbh; outer  
bark light grey, flaking; inner bark  
reddish-brown.

J.S. Burley, Turkirin et al.  
4177 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

## Loganiaceae

Fagraea ceilanica Thunb.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber; flower bud pale green;  
fruit yellowish-green.

J.S. Burley, Turkirin et al.  
4178 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Rubiaceae

Myrmecodia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Epiphytic plant; flower whitish-  
blue.

J.S. Burley, Turkirin et al.  
4179 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

## Burseraceae

Canarium hirsutum Willd.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 25 m tall, 30 cm dbh; outer  
bark light grey, flaking; inner bark  
reddish-brown; fruit purplish turning  
to black.

J.S. Burley, Turkirin et al.  
4180 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

## Melastomataceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 20 m tall; flower white;  
fruit pale green.

J.S. Burley, Turkirin et al.  
4181 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Menispermaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber; flower white.

J.S. Burley, Turkirin et al.  
4182 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Dipterocarpaceae

Shorea

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Large tree 50 m tall, 75 cm dbh;  
outer bark dark brown, deeply  
fissured; inner bark reddish-brown.  
(Voucher specimen).

J.S. Burley, Turkirin et al.  
4183 29 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Sonneratiaceae

Duabanga moluccana Bl.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Tree 45 m tall, 70  
cm dbh; outer bark dark brown,  
flaking, inner bark reddish-brown;  
flower bud pale green.

J.S. Burley, Turkirin et al.  
4184 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Annonaceae

Phaeanthus

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Small tree 15 m  
tall, 20 cm dbh; bark reddish-brown,  
smooth; flower pale green.

J.S. Burley, Turkirin et al.  
4186 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Sterculiaceae

Kleinhovia hospita L.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Tree 15 m tall, 20  
cm dbh; outer bark grey; inner bark  
pale yellow; flower pink; fruit pale  
green turning to pale brown.

J.S. Burley, Turkirin et al.  
4188 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Sapotaceae

Palaquium obtusifolium Burck.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Tree 40 m tall, 45  
cm dbh; buttress 1.5 m tall; outer  
bark light brown, smooth; inner bark  
reddish-brown with white sap; flower  
bud brownish-green.

J.S. Burley, Turkirin et al.  
4189 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Meliaceae

Aglaia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Small tree 5 m tall,  
10 cm dbh; bark grey, smooth; fruit  
pale green.

J.S. Burley, Turkirin et al.  
4190 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rhamnaceae

Ziziphus crebrivenosa C.B. Rob

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber; flower pale green with  
yellow stamens.

J.S. Burley, Turkirin et al.  
4191 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

Anacardiaceae

Pentaspadon

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 50 m tall, 15 cm dbh;  
young fruit green.

J.S. Burley, Turkirin et al.  
4192 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Dipterocarpaceae

Shorea assamica Dyer ssp. koordersii

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 40 m tall, 45 cm dbh; outer  
bark grey, slightly fissured; inner  
bark pale yellow; young fruit  
reddish-brown wing.

J.S. Burley, Turkirin et al.  
4193 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Asclepiadaceae

Hoya

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Epiphytic plant; flower white.

J.S. Burley, Turkirin et al.  
4194 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Fagaceae

Lithocarpus celebicus (Miq.) Rehd.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 25 m tall, 30 cm dbh; outer  
bark dark brown, rugose; inner bark  
pale brown; young fruit green.

J.S. Burley, Turkirin et al.  
4195 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber; fruit red turning to  
dark red.

J.S. Burley, Turkirin et al.  
4196 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Arecaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree 5 m tall, 6 cm dbh;  
leaf blade  
2.5 m; leaflet 60 cm; fruit pale  
yellow turning to red.

J.S. Burley, Turkirin et al.  
4197 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Lauraceae

Cryptocarya

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 35 m tall, 45 cm dbh; outer  
bark dark brown, smooth; inner bark  
reddish-brown; fruit yellowish green.

J.S. Burley, Turkirin et al.  
4198 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Connaraceae

Rourea minor (Gaertn.) Leenh.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber; white.

J.S. Burley, Turkirin et al.  
4199 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Apocynaceae

Willughbeia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber about 15 m tall; flower  
cream.

J.S. Burley, Turkirin et al.  
4201 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Baccaurea ? plurilocularis J.J.S.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree 3 m tall, 5 cm dbh;  
flower bud yellowish-green.

J.S. Burley, Turkirin et al.  
4202 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Flacourtiaceae

Hydnocarpus sumatrana (Miq.) Kds.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree/shrub 4 m tall; flower  
white.

J.S. Burley, Turkirin et al.  
4203 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sapotaceae

Planchonella cf. obovata H.J. Lam

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 30 m tall, 40 cm dbh; outer  
bark light grey, inner bark reddish-  
brown; young fruit green turning red  
when ripe.

J.S. Burley, Turkirin et al.  
4204 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Loganaceae

Strychnos colubrina L.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 10 m tall; young fruit  
green turning orange when ripe.

J.S. Burley, Turkirin et al.  
4205 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Myristicaceae

Gymnacranthera

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 15 m tall, 20 cm dbh; bark  
grey; fruit orange.

J.S. Burley, Turkirin et al.  
4206 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Apocynaceae

Willughbeia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 20 m tall; flower  
yellowish-green.

4207 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Tiliaceae

Microcos stylocarpa Burr.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree 12 m tall, 16 cm dbh;  
outer bark light grey; inner bark  
yellowish-white; fruit green turning  
orange when ripe.

4208 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Euphorbiaceae

Antidesma leptocladum Tul.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree 5 m tall, 10 cm dbh;  
bark grey; fruit red.

J.S. Burley, Turkirin et al.  
4209 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Guttiferae

Calophyllum soulattia Burm.f.

Det. by: P.F. Stevens  
Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 28 m tall, 40 cm dbh; outer  
bark light grey; inner bark  
yellowish-brown; fruit green.

J.S. Burley, Turkirin et al.  
4210 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Dipterocarpaceae

Shorea assamica Dyer ssp. koordersii

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 40 m tall, 100 cm dbh; outer  
bark reddish-brown; inner bark  
reddish, slightly fissured. (Voucher  
specimen).

J.S. Burley, Turkirin et al.  
4211 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Rubiaceae

Ixora ? grandifolia Z. et M.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree 9 m tall, 24 cm dbh;  
outer bark light grey; inner bark  
cream; fruit red turning black when  
ripe.

J.S. Burley, Turkirin et al.  
4212 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Dilleniaceae

Dillenia ochreatea Miq.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree 6 m tall, 9 cm dbh;  
outer bark greyish-brown; inner bark  
reddish-brown; flower bud greenish.

J.S. Burley, Turkirin et al.  
4213 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Zingiberaceae

Riedelia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Herb 1.5 m tall; young fruit  
greenish, with red peduncle.

4214 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Areaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Rare. Palm tree 8 m tall, 9 cm  
dbh; Total leaf 2 m long, petiole 1  
m, leaflet 90 cm; young flower pale  
green; young fruit green.

J.S. Burley, Turkirin et al.  
4215 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae  
Mallotus/Macaranga

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree 6 m tall, 8 cm dbh;  
flower yellowish-white.

J.S. Burley, Turkirin et al.  
4126 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae  
Drypetes

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 14 m tall, 10 cm dbh; outer  
bark light grey; inner bark cream;  
flower bud green, cauliflorous; young  
fruit pale green.

J.S. Burley, Turkirin et al.  
4217 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Annonaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 30 m tall, 29 cm dbh; outer  
bark dark grey; inner bark pale  
brown; flower white.

J.S. Burley, Turkirin et al.  
4218 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae  
Antidesma leptocladum Tul.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 12 m tall, 11 cm dbh; outer  
bark greyish-brown; inner bark  
reddish-brown; fruit green turning to  
red when ripe.

J.S. Burley, Turkirin et al.  
4219 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae  
Mallotus oblongifolius M.A.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree 6 m tall, 5 cm dbh;  
outer bark greyish-brown; inner bark  
pale yellow; flower pale yellow.

J.S. Burley, Turkirin et al.  
4220 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE



## PLANTS OF SULAWESI

## Euphorbiaceae

Antidesma stipulare Bl.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 15 m tall, 29 cm dbh; outer  
bark dark grey; inner bark pale  
brown; flower yellow.

J.S. Burley, Turkirin et al.  
4222 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Fagaceae

Lithocarpus celebicus (Miq.) Rehd.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 15 m tall, 20 cm dbh; outer  
bark grey; inner bark brown; flower  
greenish-brown.

J.S. Burley, Turkirin et al.  
4223 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Meliaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 5 m tall, 6 cm dbh; fruit  
red.

J.S. Burley, Turkirin et al.  
4224 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Dipterocarpaceae

Shorea

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 40 m tall, 60 cm dbh; bark  
greyish-brown, smooth. (Voucher  
specimen).

J.S. Burley, Turkirin et al.  
4225 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

## Loganiaceae

Fagraea ceilanica Thunb.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Shrub 4 m tall, 4 cm dbh; stem  
grey, spiny; fruit pale green.

J.S. Burley, Turkirin et al.  
4226 30 March,  
1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Garovaqlina aristata Bosch. & Lac.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Bryophyte; epiphytic moss on a  
tree branch.

J.S. Burley, Turkirin et al.  
4227 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Rosaceae

Rubus

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 8 m tall; fruit red with  
pale brown calyx.

J.S. Burley, Turkirin et al.  
4228 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Rhamnaceae

Ziziphus

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber up to 20 m tall; flower  
yellow with pale green calyx.

J.S. Burley, Turkirin et al.  
4230 30 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Lauraceae

Cryptocarya

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 25 m tall, 24 cm dbh; outer  
bark greyish-brown; inner bark  
yellowish; fruit dark green.

J.S. Burley, Turkirin et al.  
4232 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Dipterocarpaceae

Shorea

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 35 m tall, 50 cm dbh; outer  
bark greyish-brown; inner bark  
reddish, slightly fissured; fruit  
reddish-green.

J.S. Burley, Turkirin et al.  
4233 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Euphorbiaceae

Drypetes

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 14 m tall, 15 cm dbh; outer  
bark light grey; inner bark  
yellowish-brown; flower yellow with  
green calyx.

J.S. Burley, Turkirin et al.  
4234 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Verbenaceae

Petraiovitex cf. trifoliata Merr.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 50 m tall; flower  
yellowish-white; fruit pale green.

J.S. Burley, Turkirin et al.  
4235 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Ebenaceae  
Diospyros

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 30 m tall, 35 cm dbh; outer  
bark dark grey; inner bark reddish-  
brown; flower white.

J.S. Burley, Turkirin et al.  
4236 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sapotaceae  
Planchonella cf. obovata

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 30 m tall, 35 cm dbh; outer  
bark pale brown; inner bark reddish-  
brown; fruit green.

J.S. Burley, Turkirin et al.  
4237 27 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae  
Mallotus oblongifolius M.A.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Shrub 4 m tall, 4 cm dbh; flower  
cream.

J.S. Burley, Turkirin et al.  
4239 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Apocynaceae  
Willughbeia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Cliber 30 m tall; stem dark brown  
with white sap; fruit green.

J.S. Burley, Turkirin et al.  
4240 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae  
Ficus

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Strangling fig 36 m tall; outer  
bark light grey; inner bark creamy  
with white sap; fruit orange.

J.S. Burley, Turkirin et al.  
4241 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Burseraceae  
Canarium

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 15 m tall, 18 cm dbh; outer  
bark grey, rugose; inner bark  
reddish-brown; fruit green.

J.S. Burley, Turkirin et al.  
4242 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Arecaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Palm tree 6 m tall, 6 cm dbh;  
total leaf 3 m; first leaflet 1 m,  
leaflet 60 cm; fruit green turning  
red when ripe.

J.S. Burley, Turkirin et al.  
4243 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Euphorbiaceae

Baccaurea ? plurilocularis J.J.S.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Small tree 8 m tall, 15 cm dbh;  
outer bark brownish; inner bark pale  
yellow; flower bud yellow,  
cauliflorous.

J.S. Burley, Turkirin et al.  
4244 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Loganiaceae

Fagraea

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 12 m tall; flower bud  
pale green.

J.S. Burley, Turkirin et al.  
4246 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Loganiaceae

Strychnos

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 15 m tall; flower pale  
yellow.

J.S. Burley, Turkirin et al.  
4247 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber reaching up to 10 m tall;  
flower reddish-brown.

J.S. Burley, Turkirin et al.  
4248 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Dipterocarpaceae

Shorea

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 40 m tall, 120 cm dbh; outer  
bark light grey; inner bark pale  
yellow; fruit greenish-brown.

J.S. Burley, Turkirin et al.  
4249 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Apocynaceae

Urceola

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber reaching to 40 m tall;  
fruit green.

J.S. Burley, Turkirin et al.  
4250 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Fagaceae

Lithocarpus celebicus (Miq.) Rehd.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 30 m tall, 45 cm dbh; outer  
bark dark brown, slightly flaking;  
inner bark reddish-brown; flower pale  
brown.

J.S. Burley, Turkirin et al.  
4251 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Rosaceae

Atuna

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 40 m tall, 60 cm dbh; outer  
bark dark brown, rugose; inner bark  
reddish-brown; fruit pale brown.

J.S. Burley, Turkirin et al.  
4252 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Lecythidaceae

Planchonia valida Bl.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 40 m tall, 60 cm dbh; outer  
bark brown, soft, coarse flaking;  
inner bark palr yellow; flower: petal  
pale green; stamens white with red at  
base.

J.S. Burley, Turkirin et al.  
4253 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Santalaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Parasitic plant; flower bud  
yellowish-green.

J.S. Burley, Turkirin et al.  
4254 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

## PLANTS OF SULAWESI

Sapotaceae

Madhuca sericea (Miq.) H.J.L.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 30 m tall, 40 cm dbh; outer  
bark dark grey, rugose; inner bark  
reddish with white sap; fruit green.

J.S. Burley, Turkirin et al.  
4256 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Strangler 30 m tall; fruit red.

J.S. Burley, Turkirin et al.  
4257 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Polypodiaceae

Pyrrosia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Epiphytic fern on large tree.

J.S. Burley, Turkirin et al.  
4258 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Podocarpaceae

Podocarpus

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 45 m tall, 85 cm dbh; outer  
bark smooth, slightly powdery; inner  
bark reddish-brown; receptacle green  
turnign yellow and finally red; seed  
red.

J.S. Burley, Turkirin et al.  
4259 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Loranthaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Parasitic plant on large tree;  
flower tube red.

J.S. Burley, Turkirin et al.  
4260 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Combretaceae

Combretum

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 35 m tall; flower  
white/greenish-white.

J.S. Burley, Turkirin et al.  
4261 28 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Epiphytic/strangler plant; fruit  
pinkish.

J.S. Burley, Turkirin et al.  
4262 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Epiphytic orchid on rotten tree;  
flower reddish-brown.

J.S. Burley, Turkirin et al.  
4263 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Orchidaceae

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Epiphytic orchid on rotten tree;  
flower reddish-brown.

J.S. Burley, Turkirin et al.  
4264 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Aspleniaceae

Asplenium macrophyllum Sw.

Det. by: CH.-M. Kuo  
Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Epiphytic fern on rotten tree.

J.S. Burley, Turkirin et al.  
4265 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Polypodiaceae

Pyrrrosia nummularifolia (Sw.) Ching

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Epiphytic fern on rotten tree.

J.S. Burley, Turkirin et al.  
4266 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Polypodiaceae

Loxogramme scolopendrioides (Gaud.)  
Morton

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Epiphytic fern on tree trunk.

J.S. Burley, Turkirin et al.  
4267 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Vittariaceae

Antrophyum reticulatum (Forst.)  
Kaulf.

Det. by: Ch.-M. Kuo  
Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Epiphytic fern on rotten tree.

J.S. Burley, Turkirin et al.  
4268 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Rubiaceae

Aidia ? wallichiana

Sulawesi Utara; 250 km W. of  
 Gorontalo; 75 km inland from  
 Papayuto, on tributary of Sungai  
 Papayuto. 0°45'N; 121°30'E; Alt. 150  
 m. Climber; flower greenish-white,  
 fragrant.

J.S. Burley, Turkirin et al.  
 4269 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
 HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Fabaceae

Sulawesi Utara; 250 km W. of  
 Gorontalo; 75 km inland from  
 Papayuto, on tributary of Sungai  
 Papayuto. 0°45'N; 121°30'E; Alt. 150  
 m. Climber on rotten tree; flower  
 pink.

J.S. Burley, Turkirin et al.  
 4270 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
 HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Anacardiaceae

Dracontomelon dao (Blanco) Merr.

Sulawesi Utara; 250 km W. of  
 Gorontalo; 75 km inland from  
 Papayuto, on tributary of Sungai  
 Papayuto. 0°45'N; 121°30'E; Alt. 150  
 m. Tree 20 m tall, 30 cm dbh; outer  
 bark grey, rugose; inner bark  
 reddish-brown; young fruit pale  
 green.

J.S. Burley, Turkirin et al.  
 4271 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
 HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sapindaceae

Pometia pinnata Forst.f.

Sulawesi Utara; 250 km W. of  
 Gorontalo; 75 km inland from  
 Papayuto, on tributary of Sungai  
 Papayuto. 0°45'N; 121°30'E; Alt. 150  
 m. Tree 35 m tall, 40 cm dbh; outer  
 bark black, flaking; inner bark pale  
 yellow; fruit green.

J.S. Burley, Turkirin et al.  
 4272 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
 HERBARIUM BOGORIENSE

Annonaceae

Polyalthia celebica Miq.

Sulawesi Utara; 250 km W. of  
 Gorontalo; 75 km inland from  
 Papayuto, on tributary of Sungai  
 Papayuto. 0°45'N; 121°30'E; Alt. 150  
 m. Tree 20 m tall, 25 cm dbh; outer  
 bark dark grey, smooth; inner bark  
 pale yellow, fibrous; flower yellow.

J.S. Burley, Turkirin et al.  
 4273 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
 HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Meliaceae

Sulawesi Utara; 250 km W. of  
 Gorontalo; 75 km inland from  
 Papayuto, on tributary of Sungai  
 Papayuto. 0°45'N; 121°30'E; Alt. 150  
 m. Small tree 15 m tall, 20 cm dbh;  
 outer bark dark grey, flaking; inner  
 bark reddish-brown; young fruit pale  
 green.

J.S. Burley, Turkirin et al.  
 4274 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
 HERBARIUM BOGORIENSE



PLANTS OF SULAWESI

Anacardiaceae

Koordersiodendro pinnata (Blanco)  
Merr.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 40 m tall, 60 cm dbh; outer  
bark dark grey, flaking; inner bark  
reddish-brown; young fruit pale  
green.

J.S. Burley, Turkirin et al.  
4275 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Anacardiaceae

? Motleia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber 20 m tall, 7 cm dbh;  
young fruit pale green.

J.S. Burley, Turkirin et al.  
4276 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Sapindaceae

Pometia

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Tree 45 m tall, 60 cm dbh; outer  
bark greyish-brown, flaking; inner  
bark reddish-brown; flower red.

J.S. Burley, Turkirin et al.  
4277 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Araceae

Pothos

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. Climber; flower yellow with  
purplish peduncle.

J.S. Burley, Turkirin et al.  
4278 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus cf. sumatrana Miq.

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Tree 35 m tall, 40  
cm dbh; outer bark grey, more or less  
smooth; inner bark pale yellow with  
white sap. Fruit/flower yellow.

J.S. Burley, Turkirin et al.  
4279 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Moraceae

Ficus

Sulawesi Utara; 250 km W. of  
Gorontalo; 75 km inland from  
Papayuto, on tributary of Sungai  
Papayuto. 0°45'N; 121°30'E; Alt. 150  
m. River bank. Tree 30 m tall, 35  
cm dbh; outer bark grey, smooth;  
inner bark pale yellow with white  
sap; fruit pale green turning to red.

J.S. Burley, Turkirin et al.  
4280 31 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Theaceae

Ternstroemia toquian Vill.

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Pangi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350m - 750m.

Small tree 15 m tall, 20 cm dbh;  
outer bark grey, smooth, powdery;  
inner bark reddish-brown; flower  
brownish-yellow.

J.S. Burley, Turkirin et al.  
4030 19 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

Menispermaceae

Fibraurea

Sulawesi Utara; 220 km W. of Manado;  
50 km inland from Pangi, on tributary  
of Sungai Ilanga. 0°41'N; 123°40'E;  
Alt. 350 m - 750 m. Climber up to 10  
m tall. Stem grey, innerbark yellow.  
Flower cream.

J.S. Burley, Turkirin et al.  
3867 14 March, 1990

HARVARD UNIVERSITY HERBARIA  
HERBARIUM BOGORIENSE

PLANTS OF SULAWESI

MYRISTICACEAE

*Horsfieldia coriacea* de Wilde

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 10 m tall, 15 cm dbh. Bark reddish-brown, slightly flaking; inner bark orangy with watery sap. Fruit orange with pale orange aril.

**Notes:** Trunkbark sample. van Balgooy det. specimen as *H. costulata* (Miq.) Warb.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

750 m, 0°41'N X 123°40'E

**Local Names:** "Batang Bau" (Kulit)

**Med Uses:** Coughs and colds  
Stomach ache

J.S. Burley, Tukirin et al. 3500, February 25, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8696-O, Q66O8697-P  
Q66O8698-Q, Q66O8699-R.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

BALANOPHORACEAE

*Balanophora elongata* Bl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Root parasite, ca. 15 cm tall. Inflorescence reddish-brown, turning pinkish. Scattered clumps in leaf litter.

**Notes:** Photo.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

750 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3501, February 25, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8700-S.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

PLANTS OF SULAWESI

RUBIACEAE

*Psychotria celebica* Miq.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 10 m tall, 10 cm dbh. Bark gray, more or less smooth; inner bark orangy. Fruit dull orange.

**Notes:** Trunkbark sample.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

750 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3503, February 25, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8701-T, Q66O8702-U  
Q66O8703-V, Q66O8704-W.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

APOCYNACEAE

*Ervatamia sphaerocarpa* (Bl.) Burkill

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 10 m tall, 15 cm dbh. Bark brown, tuberculate; inner bark orangy-yellow with copious white latex. Flowers creamy-white with yellow throat. Fruits bright orange, pulpy seed coat purplish-red.

**Notes:** Trunkbark sample.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

750 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3512, February 26, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8705-X, Q66O8706-Y  
Q66O8707-Z, Q66O8708-A.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

RUBIACEAE

*Timonius stipulosus* (Scheff.) Val.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 5 m tall, 7 cm dbh. Bark dark brown, more or less smooth; inner bark reddish. Fruit green with persistent reddish-brown calyx and silver indumentum.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

750 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3513, February 26, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8709-C, Q66O8710-F  
Q66O8711-G, Q66O8712-H.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

URTICACEAE

*Nothocnide repanda* (Bl.) Bl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Climber to 15 m tall. Leaf with red veins on underside. Flower and young fruit green.

**Notes:** ID by Burley as cf. *Pipturus repandus*, M. van Balgooy confirmed as *Nothocnide repanda*, 7/15/91

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

300 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3517, February 26, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8713-I, Q66O8714-J.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

EUPHORBIACEAE

*Aporosa frutescens* Bl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 10 m tall, 8 cm dbh. Bark brown, slightly scaly; inner bark whitish. Fruit orangy-yellow.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3520, February 26, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8715-K, Q66O8716-L  
Q66O8717-M.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

CLUSIACEAE

*Garcinia cf. lateriflora* Bl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 10 m tall, 12 cm dbh. Bark reddish-brown, slightly flaking, tuberculate; inner bark pale yellow.

**Notes:** Trunkbark sample.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3523, February 26, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8718-N, Q66O8719-O  
Q66O8720-P.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ANNONACEAE

*Polyalthia celebica* Miq.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 20 m tall, 35 cm dbh. Bark dark brown, rugose; inner bark reddish. Young flower buds pale green.

**Notes:** Trunkbark sample.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3526, February 26, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8721-Q, Q66O8722-R  
Q66O8723-S.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

SAPINDACEAE

*Nephelium ramboutan-ake* (Labill.) Leenh.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 20 m tall, 30 cm dbh. Bark reddish-brown, rugose; inner bark dark red, thick, fibrous. Fruit green.

**Notes:** Trunkbark sample. Det. confirmed by van Balgooy.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3527, February 26, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8724-T, Q66O8725-U  
Q66O8726-V, Q66O8727-W.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

RUTACEAE

*Citrus celebica* Koord.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 15 m tall, 20 cm dbh. Bark reddish-brown, rugose; inner bark whitish. Young twigs armed. Leaves and fruit strongly aromatic. Fruit ca. 12 cm diameter, green-orange; pulp whitish.

**Notes:** Fruit very sour. Trunkbark sample.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3530, February 26, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8728-X, Q66O8729-Y  
Q66O8730-Z, Q66O8731-A.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

SOLANACEAE

*Lycianthes banahaensis* (Elm.) Bitt.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Treelet 5 m tall, 7 cm diameter. Bark brown, rugose; inner bark whitish. Flower yellow-green.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3531, February 26, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8732-C, Q66O8733-F  
Q66O8734-G.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

EUPHORBIACEAE

*Baccaurea tetrandra* (Baill.) Muell.-Arg.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 10 m tall, 15 cm dbh. Bark greyish, flaking with longitudinal cracks; inner bark yellowish. Fruit orangy with red pulpy seed-coat/aril.

**Notes:** Fruit edible.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

300 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3532, February 27, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8735-H, Q66O8736-I  
Q66O8737-J, Q66O8738-K.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

AGAVACEAE

*Dracaena angustifolia* (Roxb.) N.E.Br.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 10 m tall, 20 cm dbh. Bark greyish, sculptured, flaking; inner bark whitish. Flowers creamy-white/greenish with musty odor.

**Notes:** Trunkbark sample.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

300 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3533, February 27, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8739-L, Q66O8740-M  
Q66O8741-N.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ACTINIDACEAE

*Saurauia minahassae* Koord.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 7 m tall, 10 cm dbh. Bark reddish-brown, scaly; inner bark orangy. Flower: calyx pale green, corolla white, staminal ridge/tube orangy-yellow.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

300 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3537, February 27, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8742-O, Q66O8743-P  
Q66O8744-Q.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

MYRISTICACEAE

*Horsfieldia coriacea* de Wilde

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 20 m tall, 40 cm dbh. Bark reddish-brown, flaking with longitudinal cracks; inner bark reddish with red watery sap. Fruit green; aril more or less entire, orangy-yellow.

**Notes:** van Balgooy det. this specimen as *Horsfieldia costulata* (Miq.) Warb.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3539, February 27, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8745-R, Q66O8746-S  
Q66O8747-T, Q66O8748-U.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ICACINACEAE

*Gomphandra mappiensis* Valet

Det. By: J.S. Burley, August 17, 1991

**Field Char:** Tree 30 m tall, 40 cm dbh. Bark gray-brown; inner bark whitish. Flower buds green

**Notes:** Trunkbark sample. van Balgooy gives this as mappioides.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangli on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3540, February 27, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8749-V, Q66O8750-W  
Q66O8751-X.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

MYRISTICACEAE

*Horsfieldia*

Det. By:

**Field Char:** Tree 20 m tall, 30 cm dbh. Bark dark brown, cracked and flaking; inner bark pale orange with reddish sap. Fruit orange with more or less entire, orange aril.

**Notes:** Trunkbark sample.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangli on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3544, February 27, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8752-Y, Q66O8753-Z  
Q66O8754-A, Q66O8755-C.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

LAURACEAE

*Cryptocarya celebica* (Koord.) Kosterm.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 20 m tall, 20 cm dbh. Bark reddish-brown, flaking, rugose; inner bark orangy-red. Fruit green, abundant.

**Notes:** Trunkbark sample.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangli on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3551, February 27, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8756-F, Q66O8757-G  
Q66O8758-H, Q66O8759-I.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

MALPIGHIACEAE

*Aspidopterys celebensis* Arenes

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Climber to 20 m high. Flowers greenish-yellow.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangli on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3552, February 27, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8760-J, Q66O8761-K.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

FAGACEAE

*Lithocarpus celebicus* (Miq.) Rehd.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 35 m tall, 45 cm dbh. Bark brown with longitudinal grooves, 10 mm thick; inner bark reddish. Flowers and fruit-cupule, golden yellowish-green.

**Notes:** Trunkbark sample.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3553, February 27, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8762-L, Q66O8763-M  
Q66O8764-N, Q66O8765-O.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

EHRETIACEAE

*Cordia*

Det. By:

**Field Char:** Climber to 15 m tall. Flower: calyx turning reddish-brown when post-mature, corolla pale-green. Fruit shiny, white.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3557, February 28, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8766-P, Q66O8767-Q.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

STILAGINACEAE

*Antidesma celebicum* Miq.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 7 m tall, 15 cm dbh. Bark brown, powdery and flaking. Flowers and young fruits green.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3558, February 28, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8768-R, Q66O8769-S  
Q66O8770-T.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

STRYCHNACEAE

*Strychnos colubrina* L.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Climber 20 m tall, 4 cm diameter stem. Fruit green/orange.

**Notes:** M. van Balgooy gives determination as *Strychnos minor* Dennst.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3559, February 28, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8771-U, Q66O8772-V  
Q66O8773-W.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.



University of Illinois at Chicago

PLANTS OF SULAWESI

EUPHORBIACEAE

*Glochidion dodecapterum* Airy Shaw

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 15 m tall, 25 cm dbh. Bark grey, slightly flaking; inner bark reddish. Flower yellow, waxy with orange stigma. Fruit pale green turning red at maturity with orange seeds.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3562, February 28, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8774-X, Q66O8775-Y  
Q66O8776-Z, Q66O8777-A.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ANNONACEAE

*Goniothalamus brevicuspis* Miq.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 15 m tall, 10 cm dbh. Bark reddish-brown, slightly rugose; inner bark whitish. Flowers cauliflorous, waxy, yellow-green.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3567, February 28, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8778-C, Q66O8779-F  
Q66O8780-G.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

RUBIACEAE

*Tarenna macroptera* (Miq.) Brem.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Understorey treelet, 6 m tall, 10 cm dbh. Bark reddish-brown, more or less smooth; inner bark orangy. Fruit off-white, turning black at maturity.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3568, February 28, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8781-H, Q66O8782-I  
Q66O8783-J.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ARACEAE

*Pothos rumphii* Schott.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Climber to 10 m tall, 2 cm diameter. Inflorescence (spadix) and fruit dark green.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3569, February 28, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8784-K, Q66O8785-L.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

EUPHORBIACEAE

*Drypetes minahassae* Boerl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 10 m tall, 15 cm dbh. Bark smooth, light-grey; inner bark whitish. Fruits yellowish-green.

**Notes:** Trunkbark sample. Preliminary det. by Burley, confirmed by M. van Balgooy 7/15/91

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3575, February 28, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8786-M, Q66O8787-N  
Q66O8788-O, Q66O8789-P.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

MAGNOLIACEAE

*Magnolia candollii* (Bl.) H. Keng  
*var. candollii*

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 15 m tall, 20 cm dbh. Bark light brown, tuberculate; inner bark yellowish. Fruit green with brown scales.

**Notes:** Trunkbark sample. Preliminary det. by Burley, confirmed and variety provided by M. van Balgooy

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3576, February 28, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8790-Q, Q66O8791-R  
Q66O8792-S.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of

University of Illinois at Chicago

PLANTS OF SULAWESI

ANNONACEAE

*Polyalthia rumphii* (Bl.) Merr.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 20 m tall, 25 cm dbh. Bark slightly rugose, striate, brown; inner bark yellowish. Flowers green turning yellow. Fruit red.

**Notes:** Trunkbark sample.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3577, February 28, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8793-T, Q66O8794-U  
Q66O8795-V, Q66O8796-W.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

MEMECYLACEAE

*Memecylon crassifolium* Bakh.f.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 10 m tall, 15 cm dbh. Bark brown, slightly flaking; inner bark reddish.

Flower: calyx pale yellow, corolla white.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

300 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3581, March 1, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8797-X, Q66O8798-Y  
Q66O8799-Z.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

MELASTOMATACEAE

*Astronia stapfii* Kds.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 10 m tall, 20 cm dbh. Bark brown, peeling and flaking; inner bark pale orange. Flower: calyx rusty-brown, corolla (bud) magenta.

**Notes:** Trunkbark sample.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

300 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3583, March 1, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8800-A, Q66O8801-C  
Q66O8802-F.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ANNONACEAE

*Orophea celebica* (Bl.) Miq.

Det. By: M.J. van Balgooy, July 15, 1991

**Field Char:** Tree 15 m tall, 15 cm dbh. Bark slightly rugose, dark brown; inner bark whitish. Flowers greenish, inner mitriform petals tinged with pink. Fruit green.

**Notes:** Trunkbark sample.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

300 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3578, March 1, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8803-G, Q66O8804-H  
Q66O8805-I.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

BURSERACEAE

*Dacryodes rostrata* (Bl.) H.J. Lam

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 15 m tall, 20 cm dbh. Bark greyish-brown, slightly flaking; inner bark reddish, innermost layer white with white latex. Flower (buds) greenish.

**Notes:** See 3596 for fruit.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

300 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3586, March 1, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8806-J, Q66O8807-K  
Q66O8808-L.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

EUPHORBIACEAE

*Neotrewia cumingii* Pax & Hoffm.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 20 m tall, 25 cm dbh. Bark reddish-brown, rugose; inner bark orangy-red. Fruit green, speckled with brown; endocarp/seed coat black, seed white.

**Notes:** Trunkbark sample.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

300 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3587, March 1, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8809-M, Q66O8810-N  
Q66O8811-O, Q66O8812-P.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

LAURACEAE

*Endiandra sulavesiana* Kosterm.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Small tree 8 m tall, 10 cm dbh. Bark light brown, more or less smooth; inner bark brick-red. Flower waxy, off white.

**Notes:** Trunkbark sample.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangai on Sungai Ilanga.

**Habitat:** Primary lowland forest.

300 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3588, March 1, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8813-Q, Q66O8814-R  
Q66O8815-S.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

RUBIACEAE

*Tricalysia singularis* Korth.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Treelet 7 m tall, 10 cm dbh. Bark light-brown, soft, powdery, peeling; inner bark yellowish. Fruit green.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangai on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3593, March 2, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8816-T, Q66O8817-U  
Q66O8818-V.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

LAURACEAE

*Lindera lucida* (Bl.) Boerl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Understorey tree, 7 m tall, 20 cm dbh. Bark grey-brown, roughly tuberculate; inner bark orangy. Fruit green, turning deep purple when ripe.

**Notes:** Photograph.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangai on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3594, March 2, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8819-W, Q66O8820-X  
Q66O8821-Y, Q66O8822-Z.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

BURSERACEAE

*Dacryodes rostrata* (Bl.) H.J. Lam

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 20 m tall, 25 cm dbh. Bark greyish-brown, slightly flaking; inner bark reddish, innermost layer white, with white latex. Fruit greyish-green.

**Notes:** See 3586 for flower.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangai on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3596, March 2, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8823-A.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

TILIACEAE

*Microcos stylocarpa* (Warb.) Burret.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 15 m tall, 20 cm dbh. Bark grey with reticulate cracks; inner bark orange. Fruit orange.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangli on Sungai Ilanga.

**Habitat:** Primary lowland forest.

450 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3597, March 2, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8824-C, Q66O8825-F  
Q66O8826-G, Q66O8827-H.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

VITIDACEAE

*Cayratia geniculata* (Bl.) Gagnep.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Climber to 15 m tall. Fruits greenish-yellow.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangli on Sungai Ilanga.

**Habitat:** Primary lowland forest.

450 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3598, March 2, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8828-I, Q66O8829-J  
Q66O8830-K.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ARACEAE

*Pothoidium lobbianum* Schott

Det. By: Dan Nicholson, January 1, 1991

**Field Char:** Epiphyte/climber to 10 m long. Flowers yellowish-green. Fruits orangy-red.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangli on Sungai Ilanga.

**Habitat:** Primary lowland forest.

450 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3599, March 2, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8831-L, Q66O8832-M.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

RUBIACEAE

*Canthium glabrum* Bl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Slender, unbranched tree, 14 m tall, 15 cm dbh. Bark silver-grey, more or less smooth; inner bark orangy with red watery sap. Flower and fruit green.

**Locality:** North Sulawesi, ca. 220 km W of Manado; km 50 inland from Pangli on Sungai Ilanga.

**Habitat:** Primary lowland forest.

450 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3603, March 2, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8833-N, Q66O8834-O  
Q66O8835-P.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

CUCURBITACEAE

*Momordica cochinchinensis* Spreng.

Det. By: M.J. van Balgooy, July 15, 1991

**Field Char:** Trailing vine to 10 m long. Flowers (bud) yellow. Fruits green with soft spines.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Open place along river bank.

300 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3606, March 2, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8836-Q, Q66O8837-R.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ACTINIADACEAE

*Saurauia tristyla* DC.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 15 m tall, 30 cm dbh. Bark grey, roughly cracked and flaking; inner bark orangy-red. Flowers white with prominent yellow stamens.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3607, March 3, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8838-S, Q66O8839-T  
Q66O8840-U.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

PIPERACEAE

*Piper majusculum* Bl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Climber to 20 m high. Inflorescence pale green.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3614, March 3, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8841-V, Q66O8842-W.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ANNONACEAE

*Alphonsea*

Det. By:

**Field Char:** Tree 15 m tall, 15 cm dbh. Bark brown, tuberculate with longitudinal ridges; inner bark yellowish with smell of newly cut grass.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3615, March 3, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8843-X, Q66O8844-Y  
Q66O8845-Z.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

MIMOSACEAE

*Archidendron*

Det. By:

**Field Char:** Tree 15 m tall, 20 m dbh. Bark smooth, silver-grey with whitish lenticels; inner bark whitish. Flower (buds) cream/greenish.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3616, March 3, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8846-A, Q66O8847-C  
Q66O8848-F.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

EBENACEAE

*Diospyros minahassae* Bakh.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Treelet 8 m tall, 15 cm dbh. Bark dark grey, rugose; inner bark reddish-brown. Flower creamy-yellow.

**Notes:** Trunkbark sample.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3617, March 3, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8849-G, Q66O8850-H  
Q66O8851-I.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

MAGNOLIACEAE

*Elmerrillia ovalis* (Miq.) Dandy

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Emergent tree 40 m tall, 80 cm dbh. Bark silver-grey with pinkish patches; inner bark orange, innermost layer yellow. Fruit yellowish-green. Flower yellow.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3618, March 3, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8852-J, Q66O8853-K  
Q66O8854-L, Q66O8855-M.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

STAPHYLEACEAE

*Turpinia borneensis* (M. & P.) Linden

Det. By: M.J. van Balgooy, July 15, 1991

**Field Char:** Tree 25 m tall, 40 cm dbh, buttressed to 4 m. Bark grey, deeply cracked; inner bark orangy. Flowers pale yellow. Fruit green.

**Notes:** Trunkbark sample.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3619, March 3, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8856-N, Q66O8857-O  
Q66O8858-P, Q66O8859-Q, Q66O8860-R.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

RHAMNACEAE

*Gouania microcarpa* DC.

Det. By: M.J. van Balgooy, July 15, 1991

**Field char:** Tendril climber to 15 m high. Flowers pale green. Fruit green.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3622, March 3, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8861-S, Q66O8862-T  
Q66O8863-U.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

SAPOTACEAE

*Palaquium obtusifolium* Burck.

Det. By: J.S. Burley, November 14, 1990

**Field char:** Tree 40 m tall, 90 cm dbh. Bark reddish-brown, rugose; inner bark salmon-red with white latex. Fruit green.

**Notes:** Trunkbark sample.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3624, March 3, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8864-V, Q66O8865-W  
Q66O8866-X.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

THYMELAEACEAE

*Gonystylus macrophyllus* (Miq.) Airy Shaw

Det. By: M.J. van Balgooy, July 15, 1991

**Field char:** Tree 12 m tall, 20 cm dbh. Bark greyish-brown, rugose; inner bark reddish-brown. Fruit green, speckled with brown.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3632, March 4, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8867-Y, Q66O8868-Z  
Q66O8869-A, Q66O8870-C.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

EUPHORBIACEAE

*Baccaurea tetrandra* (Baill.) Muell.-Arg.

Det. By: J.S. Burley, November 14, 1990

**Field char:** Tree 10 m tall, 20 cm dbh. Bark light-brown, soft, powdery with longitudinal cracks; inner bark pale orange.

**Notes:** Preliminary det. by Burley, confirmed by M. van Balgooy

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3634, March 4, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8871-F, Q66O8872-G  
Q66O8873-H, Q66O8874-I.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.



University of Illinois at Chicago

PLANTS OF SULAWESI

RUBIACEAE

*Ixora*

Det. By:

**Field Char:** Tree 20 m tall, 30 cm dbh. Bark grey, slightly tuberculate; inner bark reddish-brown. Fruit red.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3635, March 4, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8875-J, Q66O8876-K  
Q66O8877-L, Q66O8878-M.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

SAPINDACEAE

*Nephelium cuspidatum* Bl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 15 m tall, 25 cm dbh. Bark brown, slightly flaking; inner bark orangy brown. Flower (bud) green.

**Notes:** Preliminary det. by Burley, confirmed by van Balgooy

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

300 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3651, March 5, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8879-N, Q66O8880-O  
Q66O8881-P.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

RUBIACEAE

*Tricalysia tinagoensis* Elm.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Understorey treelet 8 m tall, 10 cm dbh. Bark light brown, powdery; inner bark yellowish. Fruit orange.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

300 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3652, March 5, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8882-Q, Q66O8883-R  
Q66O8884-S.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ARECACEAE

*Arenga undulatifolia* Becc.

Det. By: M.J. van Balgooy, July 15, 1991

**Field Char:** Palm with short, 2 m tall stem. Leaves basal, 5 m long, first leaflet at 150 cm. Inflorescence (in bud) purplish. Peduncle 120 cm long, branched near base.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3656, March 5, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8885-T, Q66O8886-U  
Q66O8887-V, Q66O8888-W.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

STAPHYLEACEAE

*Turpinia sphaerocarpa* Hassk.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 20 m tall, 50 cm dbh; buttressed to 2 m. Bark brown with longitudinal cracks; inner bark yellowish.

**Notes:** Trunkbark sample. Preliminary det. by Burley, confirmed by van Balgooy

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangli on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3659, March 5, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8889-X, Q66O8890-Y  
Q66O8891-Z.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

THEACEAE

*Thea lanceolata* (Bl.) Pierre

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Understorey treelet 7 m tall, 12 cm dbh. Bark grey-brown, more or less smooth; inner bark reddish. Flower white, waxy, fragrant. Fruit speckled brown.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangli on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3661, March 5, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8892-A, Q66O8893-C  
Q66O8894-F.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ANNONACEAE

*Cyathocalyx biovulatus* Boerl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 20 m tall. Bark dark brown, slightly rugose; inner bark yellowish. Flower pale green with silvery indumentum. Fruits red.

**Notes:** Trunkbark sample. Preliminary det. by Burley, confirmed by M. van Balgooy

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangli on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3673, March 5, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8895-G, Q66O8896-H  
Q66O8897-I.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

OLEACEAE

*Chionanthus celebicus* (Kds.) Kiew. R.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 15 m tall, 20 cm dbh. Bark grey, more or less smooth. Flower yellow, fragrant.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangli on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3676, March 5, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8898-J, Q66O8899-K  
Q66O8900-L.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

RUBIACEAE

*Gardenia forsteriana* Miq.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Treelet 7 m tall, 4 cm diameter. Bark grey; inner bark reddish-brown. Flower greenish-white. Fruit green.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3681, March 6, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8901-M, Q66O8902-N  
Q66O8903-O, Q66O8904-P.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

LAURACEAE

*Litsea perrottetii* (Bl.) F.Vill.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 25 m tall, 30 cm dbh. Bark grey; inner bark pale yellowish. Flower cream.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3684, March 6, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8905-Q, Q66O8906-R  
Q66O8907-S, Q66O8908-T.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

MORACEAE

*Parartocarpus venenosus* Becc.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 25 m tall, 40 cm dbh. Bark pale, yellowish; inner bark whitish with white latex. Fruit brown.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3686, March 6, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8909-U, Q66O8910-V  
Q66O8911-W, Q66O8912-X.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

MELASTOMATACEAE

*Medinilla teysmanii* Miq.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Climber to 25 m tall; stem to 3 cm diameter. Flower pink.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest. River bank.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3706, March 7, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8913-Y, Q66O8914-Z.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

EUPHORBIACEAE

*Aporosa frutescens* Bl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Understorey treelet, 7 m tall, 5 cm dbh. Bark dark grey, smooth; inner bark pale yellow. Fruit orange.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3730, March 7, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8915-A, Q66O8916-C  
Q66O8917-F.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ANNONACEAE

*Mitrephora celebica* Scheff.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 20 m tall, 22 cm dbh. Bark dark-grey with longitudinal cracks; inner bark pale yellow. Flower brownish-green. Fruit green.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3746, March 9, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8918-G, Q66O8919-H  
Q66O8920-I.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

BURSERACEAE

*Canarium hirsutum* Willd.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 25 m tall, 25 cm dbh. Bark grey, slightly flaking; inner bark reddish-brown.

Flower (bud) pale orange. Fruit turning black at maturity.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3751, March 9, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8921-J, Q66O8922-K  
Q66O8923-L, Q66O8924-M.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

LAURACEAE

*Endiandra laxiflora* Merr.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 25 m tall, 30 cm dbh. Bark reddish-brown, flaking; inner bark reddish-brown. Flower (bud) yellowish-green. Fruit dark brown.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3753, March 9, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8925-N, Q66O8926-O  
Q66O8927-P.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ROSACEAE

*Prunus clementis* (Merr.) Kalkm.

Det. By: M.M.J. van Balgooy,  
February 24, 1992

**Field Char:** Tree 25 m tall, 35 cm dbh. Bark dark grey, rugose; inner bark reddish-brown. Young fruit pale green.

**Notes:** Trunkbark sample. Burley gives *P. grisea* cf.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangai on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3754, March 9, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8928-Q, Q66O8929-R  
Q66O8930-S.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

PIPERACEAE

*Piper caninum* Bl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Woody climber to 20 m high; stem to 1.5 cm. Fruit orange-red.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangai on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley 3776, March 10, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8931-T, Q66O8932-U.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

STERCULIACEAE

*Sterculia kostermania* ? Tantra

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 40 m tall, 55 cm dbh. Bark grey, rugose, slightly flaking; inner bark orange-red. Flowers pinkish-red, peduncle rusty-red. Fruit orange-red.

**Notes:** Wood sample/photo. *Sterculia urceolata* ? (van Balgooy)

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangai on Sungai Ilanga.

**Habitat:** Primary lowland forest; ridge.

600 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3781, March 11, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8933-V, Q66O8934-W  
Q66O8935-X, Q66O8936-Y.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ELAEOCARPACEAE

*Elaeocarpus rhizophorus* Koord.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 40 m tall, 75 cm dbh; buttressed to 1.5 m. Bark brown, tuberculate; inner bark orange-red. Fruit reddish at maturity.

**Notes:** Wood sample.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangai on Sungai Ilanga.

**Habitat:** Primary lowland forest; ridge.

600 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3784, March 11, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8937-Z, Q66O8938-A  
Q66O8939-C, Q66O8940-F.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

MYRISTICACEAE

*Myristica fatua* Houtt.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 35 m tall, 45 cm dbh. Bark grey-brown with reticulate cracks; inner bark reddish-brown, with red sap. Fruit with rusty-brown tomentum; aril laciniate to base, yellowish.

**Notes:** Wood sample. Trunkbark sample. van Balgooy also gives ssp. *affinis* (Warb.) ilde.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest; ridge. 600 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3785, March 11, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8941-G, Q66O8942-H  
Q66O8943-I, Q66O8944-J.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

PIPERACEAE

*Piper*

Det. By:

**Field Char:** Woody climber to 15 m high; stem to 1.5 diameter. Inflorescence yellow.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

550 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3786, March 11, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8945-K, Q66O8946-L.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

TETRAMELACEAE

*Octomeles sumatrana* Miq.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Emergent tree 50 m tall, 150 cm dbh. Bark brown, outer corky, flaking; inner fibrous, reddish-brown. Fruit green, pedicels pendant.

**Notes:** Wood sample/photo. Trunkbark sample.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangl on Sungai Ilanga.

**Habitat:** Primary lowland forest.

550 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3787, March 11, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8947-M, Q66O8948-N  
Q66O8949-O, Q66O8950-P.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ANACARDIACEAE

*Spondias philippinensis*

(Elm.) Airy Shaw & Forman

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Woody climber 40 m tall, stem to 12 cm diameter. Stem bark brown, coarsely sculptured. Fruit green.

**Notes:** Wood sample.

**Locality:** North Sulawesi; 220 km W of Manado, ca. 50 km inland from Pangl, on Sungai Ilanga.

**Habitat:** Primary lowland forest.

550 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3790, March 11, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8951-Q, Q66O8952-R  
Q66O8953-S, Q66O8954-T.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ANACARDIACEAE

*Spondias cytherea* Sonn.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 40 m tall, 50 cm dbh. Bark grey with shallow longitudinal cracks; inner bark reddish. Fruit green.

**Notes:** Wood sample. *Spondias acida* Bl. according to van Balgooy

**Locality:** North Sulawesi; 220 km W of Manado ca. 50 km inland from Panggi, on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3806, March 11, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8955-U, Q66O8956-V  
Q66O8957-W, Q66O8958-X.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

OLEACEAE

*Chionanthus montanus* Bl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 25 m tall, 30 cm dbh. Bark light brown, rugose; inner bark orange. Flower pale yellow.

**Notes:** Wood sample.

**Locality:** North Sulawesi; 220 km W of Manado ca. 50 km inland from Panggi, on Sungai Ilanga.

**Habitat:** Primary lowland forest.

500 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3820, March 12, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8959-Y, Q66O8960-Z  
Q66O8961-A.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ICACINACEAE

*Gomphandra mappioides* Valet.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 20 m tall, 25 cm dbh. Bark grey, more or less smooth; inner bark whitish. Flower greenish with white anthers.

**Notes:** Wood sample.

**Locality:** North Sulawesi; 220 km W of Manado ca. 50 km inland from Panggi, on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3828, March 12, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8962-C, Q66O8963-F  
Q66O8964-G.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

LAURACEAE

*Endiandra cf. sulavesiana* Kosterm.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Understorey treelet 6 m tall, 10 cm dbh. Bark dark brown with longitudinal cracks; inner bark reddish. Flower creamy white. Fruit green.

**Locality:** North Sulawesi; 220 km W of Manado ca. 50 km inland from Panggi, on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3830, March 12, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8965-H, Q66O8966-I  
Q66O8967-J.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

FABACEAE

*Spatholobus*

Det. By:

**Field Char:** Woody climber to 20 m long; stem to 5 cm diameter. Flower purplish-red, fragrant.

**Locality:** North Sulawesi; 220 km W of Manado ca. 50 km inland from Pangl, on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3834, March 12, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8968-K, Q66O8969-L.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

MAGNOLIACEAE

*Magnolia candollii* (Bl.) H.Keng  
var. *candollii*

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 20 m tall, 20 cm dbh. Bark light brown, tuberculate; inner bark yellowish. Fruit green with brown scales. Flower bud pale green with reddish-brown indumentum.

**Notes:** See 3576, photo. Preliminary det. by Burley, confirmed & variety added by M. van Balgooy

**Locality:** North Sulawesi; 220 km W of Manado ca. 50 km inland from Pangl, on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3837, March 12, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8970-M.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

SYMPLOCACEAE

*Symplocus odoratissima* Choisy ex Zoll.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 30 m tall, 40 cm dbh. Bark dark brown, rugose; inner bark whitish. Fruit pale green.

**Notes:** Preliminary det. by Burley, confirmed by M. van Balgooy

**Locality:** North Sulawesi; 220 km W of Manado ca. 50 km inland from Pangl, on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3851, March 13, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8971-N, Q66O8972-O  
Q66O8973-P, Q66O8974-Q.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

APOCYNACEAE

*Kopsia arborea* Bl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Treelet 8 m tall, 12 cm dbh. Bark brown with longitudinal, reticulate cracks; inner bark yellowish with white latex. Fruit black.

**Notes:** Wood sample, photograph.

**Locality:** North Sulawesi; 220 km W of Manado ca. 50 km inland from Pangl, on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3853, March 13, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8975-R, Q66O8976-S  
Q66O8977-T, Q66O8978-U.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.



University of Illinois at Chicago

PLANTS OF SULAWESI

ANNONACEAE

*Cyathocalyx acuminatus* C.B. Rob.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 15 m tall, 20 cm dbh. Bark dark brown, more or less smooth; inner bark yellowish. Flowers yellowish-green, fragrant, cauliflorous on young wood.

**Locality:** North Sulawesi; 220 km W of Manado ca. 50 km inland from Pangl, on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3858, March 13, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8979-V, Q66O8980-W  
Q66O8981-X.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

RHIZOPHORACEAE

*Carallia brachiata* (Lour.) Merr.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 30 m tall, 30 cm dbh. Bark grey with shallow, reddish longitudinal cracks; inner bark orange with clear watery sap. Flower green with white anthers. Immature fruit green.

**Locality:** North Sulawesi; 220 km W of Manado ca. 50 km inland from Pangl, on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3860, March 13, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8982-Y, Q66O8983-Z  
Q66O8984-A.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

CORNACEAE

*Mastixia pentandra* Bl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 35 m tall, 50 cm dbh. Bark grey-brown with longitudinal lines of raised lenticels; inner bark yellowish. Fruit purplish-blue.

**Notes:** Wood sample. Preliminary det. by Burley, confirmed by M. van Balgooy

**Locality:** North Sulawesi; 220 km W of Manado ca. 50 km inland from Pangl, on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3865, March 14, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8985-C, Q66O8986-F  
Q66O8987-G, Q66O8988-H.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

MYRTACEAE

*Kjellbergiodendron celebicum* (Kds.) Merr.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 30 m tall, 25 cm dbh. Bark reddish-brown, flaking; inner bark reddish with red sap. Flower: corolla cream, anther filaments (fused) green.

**Notes:** Wood sample.

**Locality:** North Sulawesi; 220 km W of Manado ca. 50 km inland from Pangl, on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3866, March 14, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): Q66O8989-I, Q66O8990-J  
Q66O8991-K.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

MENISPERMACEAE

*Fibraurea tinctoria* Lour.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Climber to 10 m high; stem to 2 cm diameter, with yellow sap. Flowers creamy white.

**Locality:** North Sulawesi; 220 km W of Manado ca. 50 km inland from Pangl, on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3868, March 14, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8992-L, Q66O8993-M.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

STRYCHNACEAE

*Neuburgia celebica* (Kds.) Leenh.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 20 m tall, 45 cm dbh; trunk fluted to 2 m. Bark brown, rugose/tuberculate; inner bark whitish with clear watery sap. Flower buds greenish-white.

**Locality:** North Sulawesi; 220 km W of Manado ca. 50 km inland from Pangl, on Sungai Ilanga.

**Habitat:** Primary lowland forest.

400 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3872, March 14, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8994-N, Q66O8995-O  
Q66O8996-P, Q66O8997-Q.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

FLACOURTIACEAE

*Casearia grewiaefolia* Vent.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 20 m tall, 30 cm dbh. Bark grey, tuberculate; inner bark reddish. Fruit orange; pulpy seedcoat/aril red.

**Locality:** North Sulawesi; 220 km W of Manado ca. 50 km inland from Pangl, on Sungai Ilanga.

**Habitat:** Primary lowland forest.

450 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3883, March 14, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): Q66O8998-R, Q66O8999-S  
Q66O9000-T.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

PLANTS OF SULAWESI

MYRISTICACEAE

*Horsfieldia coriacea* de Wilde

Det. By:

**Field Char:** Tree 15 m tall, 25 cm dbh. Bark brown with longitudinal fissures. Inner bark orangy-red. Fruit dull orange-red; aril +/- entire, bright orange.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Upland forest: Bamboo-Agathis-Fagaceae zone.

700 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3887, March 15, 1990.

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): U44Z0002-K, U44Z0003-L  
U44Z0004-M, U44Z0005-N.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

PLANTS OF SULAWESI

URTICACEAE

*Dendrocnide sinuata* (Bl.) Chew

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Bushy treelet 5 m tall, dbh. 10 cm. Bark silvery. Inflorescence: peduncle purplish; flowers grey-green.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Upland forest: Bamboo-Agathis-Fagaceae zone.

700 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3906, March 15, 1990.

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): U44Z0009-R, U44Z0010-T  
U44Z0011-U.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

CELASTRACEAE

*Euonymus javanicus* Bl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Understory treelet 6 m tall, dbh 10 cm. Bark brown, rugose; inner bark streaked orangy-red. Flower: corolla greenish with whitish laciniate margin; inner speckled brownish.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Upland forest: Bamboo-Agathis-Fagaceae zone.

700 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3888, March 15, 1990.

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): U44Z0006-O, U44Z0007-P  
U44Z0008-Q.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

LAURACEAE

*Nothaphoebe malabonga* (Blanco) Merr.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 20 m tall, dbh 20 cm. Bark grey with longitudinal fissures; inner bark orangy-red; innermost layer white. Fruit purplish-red.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Upland forest: Bamboo-Agathis-Fagaceae zone.

700 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3909, March 15, 1990.

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): U44Z0012-V, U44Z0013-W  
U44Z0014-X, U44Z0015-Y.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

PLANTS OF SULAWESI

ALANGIACEAE

*Alangium javanicum* (Bl.) Wang

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 30 m tall, 30 cm dbh. Bark brown, slightly cracked and flaking; inner bark pale orange. Flower (buds) glaucous green. Fruit green with paler green ribs.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Upland forest: Bamboo-Agathis-Fagaceae zone.

700 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3929, March 16, 1990.

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): U44Z0016-Z, U44Z0017-A  
U44Z0018-C.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

LECYTHIDACEAE

*Planchonia valida* Bl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 35 m tall, dbh 45 cm. Bark dark reddish brown, roughly flaking; inner bark red. Fruit pale green.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Upland forest: Bamboo-Agathis-Fagaceae zone.

700 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 3939, March 16, 1990.

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): U44Z0019-F, U44Z0020-G  
U44Z0021-H.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

PLANTS OF SULAWESI

ICACINACEAE

*Phytocrene hirsuta* Bl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Woody climber; stem 2 cm diameter; c. 10 m tall. Inflorescence (bud) glaucous green.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary lowland forest.

350 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 4010, March 18, 1990.

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): U44Z0022-I, U44Z0023-J.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

LAURACEAE

*Lindera apoensis* Elm.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 25 m tall, dbh 25 cm. Bark grey with longitudinal cracks; inner bark orange. Flower creamy-white, fragrant.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary Upland forest: Bamboo-Agathis-Fagaceae zone.

700 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 4028, March 19, 1990.

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): U44Z0024-K, U44Z0025-L  
U44Z0026-M.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

NYCTAGINACEAE

*Pisonia umbellifera* (Forst.) Seem.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 15 m tall, 40 cm dbh. Bark brown, +/- smooth; inner bark thin, yellowish. Flower white, with greyish anther lobes.

**Locality:** North Sulawesi, 220 km W of Manado; km 50 inland from Pangi on Sungai Ilanga.

**Habitat:** Primary upland forest: Bamboo, Agathis, Fagaceae zone.

700 m, 0°41'N X 123°40'E

J.S. Burley, Tukirin et al. 4032, March 19, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z0027-N, U44Z0028-O, U44Z0029-P.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ANNONACEAE

*Sageraea lanceolata* Miq.

Det. By:

**Field Char:** Tree 25 m tall, 30 cm dbh. Bark dark brown, slight longitudinal cracks; inner bark brown, fibrous. Flower cauline, creamy white.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on S. Papayato system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4046, March 25, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z0030-Q, U44Z0031-R, U44Z0032-S.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ROSACEAE

*Prunus arborea* (Bl.) Kalkm.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 30 m tall, 35 cm dbh. Bark dark grey, smooth; inner bark reddish-brown. Flower off-white, turning dirty-brown; heavy, sweet fragrance.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on S. Papayato system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4063, March 25, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z0033-T, U44Z0034-U, U44Z0035-V, U44Z0036-W.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

ICACINACEAE

*Phytocrene hirsuta* Bl.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Woody climber, stem to 2 cm diameter, 15 m high. Inflorescence grey-greenn.

**Notes:** See 4010.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on S. Papayato system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4066, March 25, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z0037-X.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

AVERRHOACEAE

*Averrhoa bilimbi* L.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Understory treelet 5 m tall, 5 cm diameter. Bark dark brown, flaking; inner bark pale yellow. Flower white. Fruit green.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on S. Papayato system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4082, March 27, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): U44Z0038-Y, U44Z0039-Z  
U44Z0040-A.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

MELIACEAE

*Dysoxylum* cf. *nutens* Miq.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Understory treelet 5 m tall, 5 cm diameter. Bark smooth, grey. Fruit orangy-red.

**Notes:** Photographs.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on S. Papayato system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4094, March 27, 1990

This is a voucher specimen for anticancer and anti-AIDS screening

NCI Sample Number(s): U44Z0041-C, U44Z0042-F,  
U44Z0043-G.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

CHRYSOBALANACEAE

*Atuna excelsa* (Jack) Kosterm.

Det. By:

**Field Char:** Tree 30 m tall, 35 cm dbh. Bark dark brown, rugose, slightly flaking; inner bark reddish brown. Fruit pale, brown, speckled.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on S. Papayato system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4141, March 28, 1990

This is a voucher specimen for

anticancer and anti-AIDS screening

NCI Sample Number(s): U44Z0044-H, U44Z0045-I,  
U44Z0046-J, U44Z0047-K.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

CONVOLVULACEAE

*Erycibe malaccensis* Cl.

Det. By: M.J. van Balgooy July 15, 1991

**Field Char:** Climber 1.5 cm diameter, to 20 m high. Flower white. Fruit pale green.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on S. Papayato system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4166, March 29, 1990

This is a voucher specimen for

anticancer and anti-AIDS screening

NCI Sample Number(s): U44Z0048-L, U44Z0049-M.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

PLANTS OF SULAWESI

ANACARDIACEAE

*Koordersiodendron pinnatum* (Blanco) Merr.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 45 m tall, 50 cm dbh. Buttress to 1.5 m. Bark dark grey, with longitudinal fissures; inner bark reddish brown. Fruit pale green, turning yellowish.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on S. Papayato system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4174, March 29, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z0050-N, U44Z0051-O  
U44Z0052-P.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

Det. By:

**Field Char:** Tree 40 m tall, 50 cm dbh. Bark light grey, flaking; inner bark reddish brown. Flower white. Fruit yellow.

**Notes:** See 4174.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on S. Papayato system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4177, March 29, 1990

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

PLANTS OF SULAWESI

RUBIACEAE

*Hydnophytum formicarum* Jack

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Epiphytic 'ant-plant'. Tubers to 20 cm diameter. Flower white. Fruit orange.

**Notes:** Photographs.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on S. Papayato system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4185, March 29, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z0056-T.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

RUBIACEAE

*Myremecodia*

Det. By:

**Field Char:** Epiphytic 'ant-plant'. Tubers to 25 cm diameter. Flower pale blue.

**Notes:** Photographs.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on S. Papayato system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4187, March 29, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z0057-U, U44Z0058-V,  
U44Z0059-W.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.



PLANTS OF SULAWESI

SAPOTACEAE

*Madhuca ovata* H.J. Lam

Det. By: M.J. van Balgooy July 15, 1991

**Field Char:** Understory tree 8 m tall, 15 cm dbh.

Bark brown, slightly cracked; inner bark orangy-red with white latex. Flower creamy-white, fragrant.

**Notes:** Photographs.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on branch of S. Papayato river system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4200, March 5, 1990

This is a voucher specimen for

anticancer and anti-AIDS screening

NCI Sample Number(s): U44Z0060-X, U44Z0061-Y, U44Z0062-Z.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

FLACOURTIACEAE

*Hydnocarpus sumatrana* (Miq.) Kds.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 15 m tall, 20 cm dbh. Bark brown, +/- smooth with transverse, raised lenticels; inner bark orange. Flower white.

**Notes:** See 4203. Photographs.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on branch of S. Papayato river system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4221, March 26, 1990

This is a voucher specimen for

anticancer and anti-AIDS screening

NCI Sample Number(s): U44Z0063-A, U44Z0064-C, U44Z0065-F.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

PLANTS OF SULAWESI

ANACARDIACEAE

*Dracontomelon dao* (Blanco) Merr. & Rolfe

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 30 m tall, dbh 40 cm; buttressed to 1.0 m. Bark reddish brown, rugose, slightly flaking; inner bark red. Fruit green.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on branch of S. Papayato river system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4231, March 27, 1990

This is a voucher specimen for

anticancer and anti-AIDS screening

NCI Sample Number(s): U44Z0066-G, U44Z0067-H, U44Z0068-I.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

VERBENACEAE

*Teijsmanniodendron bogoriense* Kds.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 30 m tall, 40 cm dbh. Bark brown, +/- smooth; inner bark yellowish.

Flower: calyx violet, corolla pale blue outside, dark blue inside. Fruit reddish brown.

**Notes:** Photographs.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on branch of S. Papayato river system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4238, March 27, 1990

This is a voucher specimen for

anticancer and anti-AIDS screening

NCI Sample Number(s): U44Z0069-J, U44Z0070-K, U44Z0071-L.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

PLANTS OF SULAWESI

ANNONACEAE

*Oxymitra*

Det. By:

**Field Char:** Woody climber 25 m tall, 1.5 cm diameter stem. Underside of leaves glaucous. Fruit pale green.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on branch of S. Papayato river system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4245, March 28, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z0072-M, U44Z0073-N.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

University of Illinois at Chicago

PLANTS OF SULAWESI

CELESTRACEAE

*Lophopetalum javanicum* (Zoll.) Turcz.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 45 m tall, 70 cm dbh. Bark brown, rugose; inner bark reddish. Flower (bud) pale green.

**Notes:** Wood sample.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on branch of S. Papayato river system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4255, March 30, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z0074-O, U44Z0075-P, U44Z0076-Q.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.

PLANTS OF SULAWESI

ANACARDIACEAE

*Koordersiodendron pinnatum* (Blanco) Merr.

Det. By: J.S. Burley, November 14, 1990

**Field Char:** Tree 40 m tall, dbh 60 cm; Bark dark grey, flaking; inner bark reddish brown. Fruit pale green when young.

**Locality:** North Sulawesi, c. 250 km W of Gorontalo; km 75 inland from Papayato on branch of S. Papayato river system.

**Habitat:** Primary lowland forest- with slight seasonal elements.

150 m, 0°45'N X 121°30'E

J.S. Burley, Tukirin et al. 4275, March 29, 1990

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z0077-R.

Collected under the sponsorship of: U.S. National Cancer Institute, University of Illinois at Chicago, Arnold Arboretum (Harvard University), Field Museum of Natural History and Herbarium Bogoriense/LIPI.



- |   |              |   |              |
|---|--------------|---|--------------|
| MYRISTICACEAE                                   | 3544         | RUBIACEAE                                 | 3568         |
| <u>Horsefieldia parviflora</u> (Roxb.) Sinclair |              | <u>Tarenna macroptera</u> (Miq.) Brem.    |              |
| John S. Burley                                  | October 1990 | John S. Burley                            | October 1990 |
| HARVARD UNIVERSITY HERBARIA                     |              | HARVARD UNIVERSITY HERBARIA               |              |
| LAURACEAE                                       | 3551         | ARACEAE                                   |              |
| <u>Cryptocarya celebica</u> (Koord.) Kosterm.   |              | <u>Pothos rumphii</u> Schott.             |              |
| John S. Burley                                  | October 1990 | John S. Burley                            | October 1990 |
| HARVARD UNIVERSITY HERBARIA                     |              | HARVARD UNIVERSITY HERBARIA               |              |
| MALPIGHIACEAE                                   | 3552         | EUPHORBIACEAE                             | 3575         |
| <u>Aspidopterys celebensis</u> Arenes           |              | <u>Drypetes ? minahassae</u> Boerl.       |              |
| John S. Burley                                  | October 1990 | John S. Burley                            | October 1990 |
| HARVARD UNIVERSITY HERBARIA                     |              | HARVARD UNIVERSITY HERBARIA               |              |
| FAGACEAE  | 3553         | MAGNOLIACEAE                              | 3576         |
| <u>Lithocarpus celebicus</u> (Miq.) Pehd.       |              | <u>Magnolia ? candollii</u> (Bl.) H. Keng |              |
| John S. Burley                                  | October 1990 | John S. Burley                            | October 1990 |
| HARVARD UNIVERSITY HERBARIA                     |              | HARVARD UNIVERSITY HERBARIA               |              |
| BORAGINACEAE                                    | 3557         | ANNONACEAE                                | 3577         |
| <u>Cordia</u>                                   |              | <u>Polyalthia rumphii</u> Schott.         |              |
| John S. Burley                                  | October 1990 | John S. Burley                            | October 1990 |
| HARVARD UNIVERSITY HERBARIA                     |              | HARVARD UNIVERSITY HERBARIA               |              |
| EUPHORBIACEAE                                   | 3558         | ANNONACEAE                                | 3578         |
| <u>Antidesma celebicum</u> Miq.                 |              | <u>Orophea cf. eneandra</u> Bl.           |              |
| John S. Burley                                  | October 1990 | John S. Burley                            | October 1990 |
| HARVARD UNIVERSITY HERBARIA                     |              | HARVARD UNIVERSITY HERBARIA               |              |
| LOGANIACEAE                                     | 3559         | MEMECYLACEAE                              | 3581         |
| <u>Strychnos colubrina</u> L.                   |              | <u>Memecylon crassifolium</u> Bakh.f.     |              |
| John S. Burley                                  | October 1990 | John S. Burley                            | October 1990 |
| HARVARD UNIVERSITY HERBARIA                     |              | HARVARD UNIVERSITY HERBARIA               |              |
| EUPHORBIACEAE                                   | 3562         | MELASTOMATACEAE                           | 3583         |
| <u>Glochidion dodecapterum</u> Airy Shaw        |              | <u>Astronia stapfii</u> Kds.              |              |
| John S. Burley                                  | October 1990 | John S. Burley                            | October 1990 |
| HARVARD UNIVERSITY HERBARIA                     |              | HARVARD UNIVERSITY HERBARIA               |              |
| ANNONACEAE                                      | 3567         | BURSERACEAE                               | 3586         |
| <u>Goniothalamus brevicuspis</u> Miq.           |              | <u>Dacryodes rostrata</u> (Bl.) H.J. Lam  |              |
| John S. Burley                                  | October 1990 | John S. Burley                            | October 1990 |
| HARVARD UNIVERSITY HERBARIA                     |              | HARVARD UNIVERSITY HERBARIA               |              |

EUPHORBIACEAE	3587	RUBIACEAE	3603
<u>Neotrewia cumigii</u> Pax, & Hoffm.		<u>Canthium glabrum</u> Bl.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
LAURACEAE	3588	CUCURBITACEAE	3606
<u>Endiandra sulavesiana</u> Kosterm.		<u>Mormordica ? ovata</u> Cogn.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
RUBIACEAE	3593	ACTINIDIACEAE	3607
<u>Tricalysia singularis</u> (Bl.) Boerl.		<u>Saurauria tristyla</u> DC.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
LAURACEAE	3594	PIPERACEAE	3614
<u>Lindera lucida</u> (Bl.) Boerl.		<u>Piper</u>	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
RUBIACEAE	3593	ANNONACEAE	3615
<u>Tricalysia singularis</u> Korth.		<u>Mitrephora</u>	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
BURSERACEAE	3596	EBENACEAE	3617
<u>Dacryodes rostrata</u> (Bl.) H.J. Lam		<u>Diospyros minahasae</u> Bakh.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
TILIACEAE	3597	MAGNOLIACEAE	
<u>Microcos stylocarpa</u> (Warb.) Burret.		<u>Elmerrillia ovalis</u> (Miq.) Dandy	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
VITACEAE	3598	STAPHYLEACEAE	3619
<u>Cayratia geniculata</u> (Bl.) Gagnep.		<u>Turpinia</u>	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
ARACEAE	3599	RHAMNACEAE	3619
<u>Pothos</u>		<u>Gouania cf. javanica</u> Miq.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	

SAPOTACEAE	3624	THEACEAE	3661
<u>Palaquium obtusifolium</u> Burck.		<u>Thea lanceolata</u> (Bl.) Pierre	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
THYMELACEAE	3632	ANNONACEAE	3673
<u>Gonystylus</u>		<u>Cyathocalyx aff. biovulatus</u> Boerl.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
EUPHORBIACEAE	3634	OLEACEAE	3676
<u>Baccaurea tetrandra</u> cf. (Baill.) Muell.-Arg.		<u>Chionanthus celebicus</u> (Kds.) Kiew, R.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
RUBIACEAE	3635	RUBIACEAE	3681
<u>Ixora longifolia</u> Z. & M.		<u>Gardenia fosteriana</u> Miq.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
MIMOSACEAE	3636	LAURACEAE	3684
<u>Archidendron</u>		<u>Litsea perrottettii</u> (Bl.) F. Vill.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
SAPINDACEAE	3651	MORACEAE	3686
<u>Nephelium</u> cf. <u>cuspidatum</u> Bl.		<u>Parartocarpus venenosus</u> Becc.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
RUBIACEAE	3652	MELASTOMATACEAE	3706
<u>Tricalysia tinagoensis</u> Elm.		<u>Medinilla teysmanii</u> Miq.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
ARECACEAE	3656	EUPHORBIACEAE	3730
<u>Arenga</u>		<u>Aporusa frutescens</u> Bl.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
STAPHYLEACEAE	3659	ANNONACEAE	3746
<u>Turpinia</u> cf. <u>sphaerocarpa</u> Hassk.		<u>Mitrephora celebica</u> Scheff.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	

BURSERACEAE	3751	ANACARDIACEAE	3790
<u>Canarium hirsutum</u> Willd.		<u>Spondias philippinensis</u> (Elm.) Airy Shaw & Forman	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
LAURACEAE	3753	ANACARDIACEAE	3806
<u>Endiandra laxiflora</u> Merr.		<u>Spondias cytherea</u> Sonn.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
ROSACEAE	3754	OLEACEAE	3820
<u>Prunus cf. grisea</u> (C. Muell.) Kalkm.		<u>Chionanthus montanus</u> Bl.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
PIPERACEAE	3776	ICACINACEAE	3828
<u>Piper canium</u> Bl.		<u>Gomphandra mappioides</u> Valet.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
STERCULIACEAE	3781	LAURACEAE	3830
<u>Sterculia ? kostermaniana</u> Tantra		<u>Endiandra sulavesiana</u> cf.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
ELEOCARPACEAE	3784	FABACEAE	3834
<u>Eleocarpus rhizophorus</u> Koord.		<u>Spatholobus ferrugineus</u> Bth.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
MYRISTICACEAE	3785	MAGNOLIACEAE	
<u>Myristica fatua</u> Houtt.		<u>Magnolia ? candollii</u> (Bl.) H.Keng	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
PIPERACEAE	3786	SYMPLOCACEAE	3851
<u>Piper</u>		<u>Symplocos cf. odoratissima</u> Choissy ex Zoll.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	
DATISCAEAE	3787	APOCYNACEAE	3853
<u>Octomeles sumatrana</u> Miq.		<u>Kopsi arborea</u> Bl.	
John S. Burley	October 1990	John S. Burley	October 1990
HARVARD UNIVERSITY HERBARIA		HARVARD UNIVERSITY HERBARIA	

- ANNONACEAE 3858  
Cyathocalyx acuminatus C.B. Rob.
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- RHIZOPHORACEAE 3860  
Carallia brachiata (Lour.) Merr.
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- CORNACEAE 3865  
Mastixia cf. pentandra Bl.
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- MYRTACEAE 3866  
Kjellbergiodendron celebicum (Kds.) Merr.
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- MENISPERMACEAE 3868  
Fibraurea tinctoria Lour.
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- LOGANIACEAE 3872  
Neuburgia celebica (Kds.) Leenh.
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- FLACOUTIACEAE 3883  
Casearia grewiaefolia Vent.
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- MYRISTICACEAE 3887  
Horsfieldiacoriacea de Wilde
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- CELASTRACEAE 3888  
Euonymus javanicus Bl.
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- URTICACEAE 3906  
Dendrocide sinuata (Bl.) Chew
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- LAURACEAE 3909  
Nothaphoebe malabonga (Blanco) Merr.
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- ALANGIACEAE 3929  
Alangium javanicum (Bl.) Wang
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- LECYTHIDACEAE 3939  
Planchonia valida Bl.
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- ICACINACEAE 4010  
Phytocrene hirsuta Bl.
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- LAURACEAE 4028  
Lindera apoensis Elm.
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- NYCTAGINACEAE 4032  
Pisonia umbellifera (Forst.) Seem.
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- ANNONACEAE 4046  
Sageraea lanceolata Miq.
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA
- ROSACEAE 4063  
Prunus arborea (Bl.) Kalkm.
- John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA



~~ICACINACEAE~~  
~~Phytocrene hirsuta Bl.~~

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

ICACINACEAE 4066  
Phytocrene hirsuta Bl.

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

AVERRHOACEAE 4082  
Averrhoa bilimbi L.

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

MELIACEAE 4094  
Dysoxylum cf. nutens

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

CHRYSOBALANACEAE 4141  
Atuna excelsa (Jack) Kosterm.

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

CONVOLVULACEAE 4166  
Erycibe ? terminaliflora Elm.

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

ANACARDIACEAE 4174  
Koordersiodendron pinnatum (Blanco) Merr.

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

ROSACEAE 4177  
Maranthes corymbosa (Bl.) Miq.

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

RUBIACEAE 4185  
Hydnophytum cf. formicarium Jack

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

RUBIACEAE 4187  
Myrmecodia

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

SAPOTACEAE 4200  
Madhuca

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

FLACOURTIACEAE 4221  
Hydnocarpus sumatrana (Miq.) Kds.

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

ANACARDIACEAE 4231  
Dracontomelon dao (Blanco) Merr. & Rolfe.

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

VERBENACEAE 4238  
Teijsmanniodendron bogoriense Kds.

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

ANNONACEAE 4245  
Oxymitra

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

CELASTRACEAE 4255  
Lophopetalum javanicum (Zoll.) Turcz.

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

ANACARDIACEAE  
KOORDERSIODENDRON

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA

ANACARDIACEAE 4275  
Koordersiodendron pinnatum (Blanco) Merr.

John S. Burley October 1990  
HARVARD UNIVERSITY HERBARIA