

University of Illinois at Chicago

PLANTS OF SULAWESI

APOCYNACEAE

Det. By:

**Field Char:** Tree 15 m tall, dbh 20 cm. Corolla white, tubular. Latex white. Inner-bark cream, outer-bark greyish-brown, rugose.

**Locality:** North Sulawesi: Tapambahu, 2 km NE of Desa Tulabolo.

**Habitat:** Secondary forest.  
110 m, 000°31'N X 123°18'E

**Local Names:** "Gora-gora"

A. C. Church and Ismail 1, August 5, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3599-W, U44Z3600-X  
U44Z3601-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.

University of Illinois at Chicago

PLANTS OF SULAWESI

RUBIACEAE

*Tricalysia*

Det. By:

**Field Char:** Small tree 9 m tall, dbh 12 cm. Fruit green, cauliflorous. Outer-bark light grey, smooth.

**Notes:** Rather common.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** On hill, primary forest.  
200 m, 000°31'N X 123°18'E

A. C. Church and Ismail 2, August 7, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3602-Z, U44Z3603-A  
U44Z3604-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.

PLANTS OF SULAWESI

EUPHORBIACEAE

Det. By:

**Field Char:** Small shrub 3 m tall. Outer-bark greyish-brown, smooth. Flower red. Fruit greenish-brown. Leaves serrate.

**Notes:** Common along river.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** Edge of Sungai Bone. Primary forest. 200 m,000°31'N X 123°18'E

**Local Names:** "Tidemobugato"

A. C. Church and Ismail 4, August 8, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3605-F, U44Z3606-G  
U44Z3607-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.

PLANTS OF SULAWESI

URTICACEAE

*Villebrunea*

Det. By:

**Field Char:** Small tree 10 m tall, dbh 15 cm. Outer-bark greyish brown, rugose. Flowers green.

**Notes:** Rather common.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** Near river, disturbed area. Primary forest.

200 m,000°31'N X 123°18'E

**Local Names:** "Tahi"

A. C. Church and Ismail 5, August 8, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3608-I, U44Z3609-J  
U44Z3610-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.

PLANTS OF SULAWESI

EUPHORBIACEAE

*Drypetes*

Det. By:

**Field Char:** Tree 20 m, dbh 30 cm. Fruit globose, yellow turning orange. Outer-bark brown, rugose. Inner-bark reddish.

**Notes:** Rare.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** On hill, primary forest. 200 m,000°31'N X 123°18'E

**Local Names:** "Tolotio"

A. C. Church and Ismail 9, August 9, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3611-L, U44Z3612-M  
U44Z3613-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.

PLANTS OF SULAWESI

RUBIACEAE

*Lasianthus*

Det. By:

**Field Char:** Treelet 4 m tall, dbh 6 cm. Fruit black. Leaves hairy beneath, coriaceous. Bark grey, smooth.

**Notes:** Common.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** On hill, primary forest. 200 m,000°31'N X 123°18'E

**Local Names:** "Lanuta"

A. C. Church and Ismail 10, August 9, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3614-O, U44Z3615-P  
U44Z3616-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.

PLANTS OF SULAWESI

SAPOTACEAE

*Planchonella*

Det. By:

**Field Char:** Tree 25 m tall, dbh 25 cm. Fruit pale yellow turning dark reddish-purple (old fruits black). Inner-bark cream, outer-bark brownish-grey, rugose.

**Notes:** Occasional. Eaten by monkeys.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** On ridge, primary forest.  
200 m, 000°31'N X 123°18'E

**Local Names:** "Wipa Monyet"

A. C. Church and Ismail 11, August 9, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3617-R, U44Z3618-S  
U44Z3619-T, U44Z3620-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.

PLANTS OF SULAWESI

STRYCHNACEAE

*Strychnos*

Det. By:

**Field Char:** Climber to about 30 m, stem diameter 3 cm. Fruit orange. Flower bud pale yellow.

**Notes:** Occasional.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** On hill, primary forest.  
200 m, 000°31'N X 123°18'E

A. C. Church and Ismail 12, August 9, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3621-V, U44Z3622-W  
U44Z3623-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.

PLANTS OF SULAWESI

LAURACEAE

*Cryptocarya*

Det. By:

**Field Char:** Tree 20 m tall, dbh 22 cm. Fruit light green with red endosperm and cream aril. Inner-bark light orange, outer-bark brown, rugose.

**Notes:** Occasional to rare.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** On hill, primary forest.  
200 m, 000°31'N X 123°18'E

**Local Names:** "Monaladoti"

A. C. Church and Ismail 14, August 10, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3624-Y, U44Z3625-Z  
U44Z3626-A, U44Z3627-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.

PLANTS OF SULAWESI

LAURACEAE

*Cryptocarya*

Det. By:

**Field Char:** Tall tree 25 m tall, dbh 23 cm. Fruit forest green, shiny, turning black with a strong scent. Inner-bark pale yellow; outer-bark light grey, smooth.

**Notes:** Occasional.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** On hill, primary forest.  
200 m, 000°31'N X 123°18'E

**Local Names:** "Tapulatola"

A. C. Church and Ismail 16, August 11, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3628-F, U44Z3629-G  
U44Z3630-H, U44Z3631-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.

PLANTS OF SULAWESI

BURSERACEAE

*Dacryodes*

Det. By:

**Field Char:** Tree 25 m tall, dbh 23 cm. Fruit green turning blue-black, pilose. Stem pilose.

Inner-bark pinkish-pale yellow, fragrant.

Outer-bark light grey, rugose.

**Notes:** Occasional to rare.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** On hill, primary forest. Near Sungai Bone.

200 m, 000°31'N X 123°18'E

**Local Names:** "Tambia Utan."

A. C. Church and Ismail 18, August 11, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3632-J, U44Z3633-K  
U44Z3634-L, U44Z3635-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.

PLANTS OF SULAWESI

ANNONACEAE

*Xylopia*

Det. By:

**Field Char:** Tree 30 m tall, dbh 30 cm. Fruit brown-spotted with light brown-beige scales.

Inner-bark yellowish-orange. Outer-bark dark grey, smooth.

**Notes:** Rare to occasional.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** On hill, primary forest.

200 m, 000°31'N X 123°18'E

**Local Names:** "Molomelu"

A. C. Church and Ismail 19, August 11, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3636-N, U44Z3637-O  
U44Z3638-P, U44Z3639-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.

PLANTS OF SULAWESI

VERBENACEAE

*Vitex* (?*Tiejsmanniodendron*)

Det. By:

**Field Char:** Tree 15 m tall, dbh 30 cm. Flowers pale blue/lavender. Fruit fleshy,

brownish-green turning black. Inner-bark yellow. Outer-bark light grey, fissured.

**Notes:** Occasional.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** On bank of Sungai Bone, primary forest.

200 m, 000°31'N X 123°18'E

**Local Names:** "Wolato"

A. C. Church and Ismail 20, August 11, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3640-R, U44Z3641-S  
U44Z3642-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.

PLANTS OF SULAWESI

ASCLEPIADACEAE

*Hoya*

Det. By:

**Field Char:** Climber about 15 m, dbh 2 cm. Flower pinkish-peach to yellow. Fruit pale green.

Latex white.

**Notes:** Occasional.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** On bank of Sungai Bone, primary forest.

200 m, 000°31'N X 123°18'E

**Local Names:** "Simaimai Air"

A. C. Church and Ismail 21, August 12, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3643-U, U44Z3644-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.

PLANTS OF SULAWESI

ICACINACEAE

*Iodes*

Det. By:

**Field Char:** Climber to 20 m. Flowers pale yellowish-green, fragrant. Leaves pubescent beneath.

**Notes:** Occasional.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** On bank of Sungai Bone, primary forest.

200 m, 000°31'N X 123°18'E

**Local Names:** "Bindalahe"

A. C. Church and Ismail 22, August 12, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3645-W, U44Z3646-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.

PLANTS OF SULAWESI

ICACINACEAE

*Gonocaryum*

Det. By:

**Field Char:** Tree about 20 m tall, dbh 20 cm. Fruit greenish-black. Inner-bark cream, outer-bark light grey, smooth.

**Notes:** Occasional.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** On hill, primary forest.

200 m, 000°31'N X 123°18'E

A. C. Church and Ismail 25, August 16, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3647-Y, U44Z3648-Z  
U44Z3649-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.

PLANTS OF SULAWESI

STERCULIACEAE

*Sterculia*

Det. By:

**Field Char:** Tree 20 m, dbh 30 cm. Petiole burgundy. Corolla greenish-red, calyx green. Anther pale yellow. Young fruit pale green with reddish brown stripes. Inner-bark pale yellow.

**Notes:** Outer-bark whitish-grey, smooth. Occasional.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** On bank of Sungai Bone, primary forest.

200 m, 000°31'N X 123°18'E

**Local Names:** "Bingiladu"

A. C. Church and Ismail 26, August 18, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3650-C, U44Z3651-F  
U44Z3652-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.

PLANTS OF SULAWESI

VERBENACEAE

*Vitex*

Det. By:

**Field Char:** Tree 45 m tall, dbh 50 cm. Fruit green turning rubby-red (shiny). Stipules large (beige). Inner-bark pale yellow, outer-bark light brown, peeling off.

**Notes:** Occasional to rare.

**Locality:** North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo.

**Habitat:** On hill, primary forest.

500 m, 000°31'N X 123°18'E

**Local Names:** "Wolato bungango"

A. C. Church and Ismail 28, August 18, 1991

This is a voucher specimen for anticancer and anti-AIDS screening  
NCI Sample Number(s): U44Z3653-H, U44Z3654-I  
U44Z3655-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.

# PLANTS OF Indonesia

## Guttiferae

### *Garcinia*

Celebes: North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo; 000°31'N X 123°18'E; c. 200 m.

Open forest up to 20 m with *Myrtaceae*, *Rubiaceae*, and *Lauraceae*. On hill, primary forest, occasional. Small tree 7 m X 7 cm dbh. Outer bark brown, latex yellow. Fruit red.

A. C. Church and Ismail 3

August 7, 1991

## PLANTS OF Indonesia

### Myristicaceae

*Horsfieldia cf. costulata* (Miq.) Warb.

Celebes: North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo; 000°31'N X 123°18'E; c. 200 m.

Tree to 25 m X 30 cm dbh. Outerbark light grey, rugose; innerbark pinkish. Fruit pale greenish– brown, turning orange. Aril reddish– brown. Flower cream with rusty tomentum. Underside leaf pale/light green.

A. C. Church and Ismail 17

August 11, 1991

# PLANTS OF Indonesia

## Guttiferae

### *Cratoxylum sumatranum* Bl.

Celebes: North Sulawesi: Hungayono, 8 km NE of Desa Tulabolo; 000°31'N X 123°18'E; c. 200 m.

Open forest to 20 m with *Annonaceae*, *Ebenaceae*, *Myristicaceae*. Primary forest, occasional. Tree 30 m X 30 cm dbh. Outer bark grey, fissured; inner bark white to pale yellow. Latex white. Flower reddish– pink. Young fruit red.

A.C. Church and Ismail 23

August 13, 1991