

GINGERS OF LOMBOK

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Marlina Ardiyani, Yessi Santika, Jin Hyub Paik, Anshary Maruzy & Axel Dalberg Poulsen. 2012. Jahe-jahean dari Lombok. *Floribunda* 4(5): 113–120. — Tumbuhan jahe-jahean dari Kepulauan Sunda Kecil masih sangat sedikit diketahui. Survei awal di Lombok pada tahun 2011 berhasil mengumpulkan lima jenis liar jahe (*Etlingera rubroloba*, *E. calophrys*, *Amomum maximum*, *A. gracile*, *Alpinia* sp. dan *Globba marantina*). Satu jenis dari marga *Alpinia* belum dapat teridentifikasi dan kemungkinannya merupakan jenis baru. Kunci menuju marga dan jenis beserta gambarnya disajikan.

Kata kunci: Inventarisasi botani, Wallacea, *Zingiberaceae*, Taman Nasional Gn. Rinjani.

Marlina Ardiyani, Yessi Santika, Jin Hyub Paik, Anshary Maruzy & Axel Dalberg Poulsen. 2012. Gingers of Lombok. *Floribunda* 4(5): 113–120. — The ginger flora of the Lesser Sunda islands is very poorly known. A preliminary survey of Lombok in 2011 documented five wild species (*Etlingera rubroloba*, *E. calophrys*, *Amomum maximum*, *A. gracile*, *Alpinia* sp. and *Globba marantina*). The species of *Alpinia* cannot immediately be identified and may be new. A key to the genera and species is included in this account as well as photographs.

Keywords: Botanical inventory, Wallacea, *Zingiberaceae*, Mt. Rinjani National Park.

The ginger family *Zingiberaceae* with about 54 genera and over 1200 species is the largest of the eight families comprising the monophyletic tropical order *Zingiberales*. The family has been revised for certain areas in Malesia, e.g. Malay Peninsula (Holttum 1950) and Borneo (Smith 1985, 1986 a & b, 1987, 1988, 1989; Sakai & Nagamasu 2000 a & b, 2003, 2006). However, few taxonomic studies have been carried out east of Wallace's Line. Furthermore, many of the existing taxonomic treatments are lacking keys, illustrations and in-complete descriptions of the species.

Important references include the monographs by Schumann (1904, 1899) and local treatments, especially in the Moluccas and Papua New Guinea, were made by Valeton (1913, 1914) and Smith (1975, 1977). In order to update the knowledge of gingers study for the Lesser Sunda Islands, Ardiyani, Santika and Maruzy conducted an exploration of the Lombok Island. There are only few collections of gingers from this island deposited at Herbarium Bogoriense (BO). The taxonomic treatment presented here support the existing accounts on the family in the region.

MATERIALS AND METHODS

Fieldwork was conducted by the staff from Herbarium Bogoriense (BO) to Mt Rinjani and its surrounding using standard collecting method. The location of the exploration in Lombok Island are mostly in Northern part of Lombok Island, especially in Rinjani Mountain from Senaru Gate. Inflorescence, flowers and fruits were preserved in 70% alcohol in the field and parts of this were later pressed and dried at BO. Flowers were dissected and pressed in the field. Herbarium specimens are deposited in BO. Preliminary examination of specimens needed for early data. Examined 38 specimens of ginger that found in Rinjani Mountain.

RESULT

Key to Genera

- 1a. Inflorescence from the ground separate from the leafy shoot 2
- 1b. Inflorescence terminal on the leafy shoot ... 3
- 2a. Flowers with staminal tube *Etlingera*
- 2b. Flowers without staminal tube *Amomum*

- 3a. Leafy shoot > 1 m *Alpinia* sp.
 3b. Leafy shoot < 1 m *Globba*

Key to Species of *Etlingera*

- 1a. Flower pink and white .. *Etlingera rubroloba*
 1b. Flower yellow *Etlingera calophrys*

Key to Species of *Amomum*

- 2a. Labellum median yellow with pink orange on the margin of the median, red on lower part, yellow green on upper part *Amomum maximum*

2b. Labellum cup- or bowl-shaped, median yellow at apex, flanked with red lines *Amomum gracile*

1. *Etlingera rubroloba* A.D. Poulsen, *Etlingera* of Sulawesi 214. 2012. — Type: A.D.Poulsen, Marlinia Ardiyani, Firdaus & Syaiful Fajrin 2762 (holo BO). Figure 1a & b.

Plants about 2–4 m high with 11–22 leaves. Distance between leafy shoots 17–25 cm. Base of leafy shoot 5–8 cm diameter, yellow brown with broad scale, scale green with orange tinge. Inner rhizome cream-brown, taste of resin. Sheath reticose, green. Leaves about $65.5\text{--}79 \times 9\text{--}21.5$ cm, glabrous, dark green above, pale green beneath, base oblique, round wrinkled on the very lower part, apex acute-round with ± 5 mm long tip, margin hairy on the young leaves, hairy at apex on the old leaves. Petiole 1.5–2.5 cm, green, velvety with golden brown hair. Ligule 1.4–1.5 cm long, acuminate, golden brown, velvety. Inflorescence 8–14 cm long with 46 flowers, 6 flowers opening at a time, peduncle 5–7 cm long, pink cream to light brown; scale glabrous with mucronate apex; spike $4\text{--}10 \times 4.5\text{--}6$ cm. Flowers 5.5 cm long; fertile bracts mucronate, glabrous, light brown with red apex, $3\text{--}4 \times 1.1$ cm, white cream to green with pink-red apex; bracteole light to deep red, outer bracteole 2.5 cm long, inner bracteole 1.7 cm long. Calyx three-lobed, dark red with white fine hairs, 2.7–3.5 cm long. Corolla tube white, 2.8 cm long, lobes deep red on apex, white towards the base, 2 cm long, lobe margin curly, dorsal lobe 2.2 cm long, lateral lobes 1.9 cm long. Labellum pink, yellow white in the centre, staminal tube 0.5 cm long. Style white. Stigma cream with pink ciliate apex. Filament white 0.5 cm long. Anther light yellow, 0.5–0.7 cm long. Ovary 0.3 cm diameter with golden hair. Infructescence: peduncle 5–7 cm long, 5–6.5 cm diameter with 14 fruits, scales yellow brown with greenish apex, spike 7.5×8 cm. Fruits red, 56 with $\pm 3\text{--}8$ spines/hooks, 2.7 ×

2.3 cm, round, sessile, with 2.6–3.5 cm long of calyx remnant, aril white.

Specimen examined. Sendanggila Waterfall I, Senaru, Mt Rinjani National Park, Lombok, Lesser Sunda Islands; S 08° 18'22.7", E 116° 24' 28.9"; 455 m alt.; on slope in secondary forest; 22 November 2011; Marlina Ardiyani with Anshary Maruzy, Yessi Santika & Dedy Wicaksono; M. Ardiyani 600. Near the tract to Sendanggila Waterfall II, Senaru, Mt Rinjani National Park, Lombok, Lesser Sunda Islands; S 08° 18' 26.7", E 116° 24' 17.4"; 509 m alt.; in secondary forest; 22 November 2011; Marlina Ardiyani with Anshary Maruzy, Yessi Santika & Dedy Wicaksono; M. Ardiyani 601. Near Senaru Gate, Mt Rinjani National Park, Lombok, Lesser Sunda Islands; S 08° 19' 12.5", E 116° 24' 08.6"; 858 m alt.; in secondary forest; 25 November 2011; Marlina Ardiyani with Anshary Maruzy, Yessi Santika & Dedy Wicaksono; M. Ardiyani 606; Senaru Village, Kecamatan Bayan, Kabupaten Lombok Barat; S 08°17'964" E, 116°24'520"; October 2001; S. Riswan, J.J. Afriastini, Nurdin; BO-1810359; SR-063.

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| Vernacular name | : Not recorded |
| Uses | : Not recorded |
| Distribution | : Sulawesi, Lombok |
| Ecology and habitat | : Grow in primary forest as well as disturbed forest. |

2. *Etlingera calophrys* (K.Schum.) A.D. Poulsen, *Etlingera* of Sulawesi 93. 2012 — *Amomum calophrys* K.Schum, Bot. Jahrb. 27(3): 314. 1899. (basionym). Figure 2.

Plants 3.6–5.3 m high with 13–27 leaves. Distance between leafy shoots up to 18–20 cm. Base of leaf shoot 5.5–7.5 cm diameter, golden brown, velvety. Sheath green with brown spots. Leaves lanceolate, about 52–90 × 8–17.5 cm, glabrous, margin with golden brown hair, undulate/wrinkled, base acute-round oblique, apex acuminate-caudate. Petiole 0.7–2.5 cm long, glabrous. Ligule flat with golden velvets, 7–8 mm, with golden brown hair, round at apex. Inflorescence 17 cm long: peduncle 9.5 cm long, with deep red scales, upper scale golden orange; spike 8 × 6 cm, 3–6 flower opening at a time. Bracts yellow brown, 2.2–2.3 × 0.5–1.1 cm, boat-shaped, red brown on lower part, green-brown on upper part, hooded at apex; bracteole boat-shaped, 1.5–2 cm long, yellow brown, split into two lobes. Calyx yellow brown/peach, 1.6–2.1 cm long, three dentate. Corolla: tube 1.3–2 cm long, cream white; corolla lobes peach, dorsal lobe 1.3–1.4 × 0.3–0.5 cm, lateral lobes 1.4–1.7 cm × 0.3–3.5 mm. Labellum

bright yellow, curled outward. Staminal tube 0.2 cm long. Anther pale yellow, 2–4 mm long. Stigma yellow. Ovary golden brown, velve-ty. Infructescence 15–19 cm long with 33–42 fruits: peduncle 7.2–10 cm long, spike 7–8.2 × 7.5–9 cm, elliptic. Fruits orange-red, 2.0 × 1.7 cm with 7–12 spines/hooks, calyx remnant 1.9–2.0, pedicel 0.9 cm long.

Specimen examined. Near Senaru Gate, Mt Rinjani National Park, Lombok, Lesser Sunda Islands; S 08° 19' 12.7"; E 116° 24' 08.9"; 851 m alt.; in secondary forest; 23 November 2011; Marlina Ardiyani with Anshary Maruzy, Yessi Santika & Dedy Wicaksono; M. Ardiyani 602. About 3 km from the gate of Mt Rinjani National Park, Sapit, Aikmel Utara, Lombok, Lesser Sunda Islands; S 08° 26' 54.9", E 116° 31' 53.3"; 1132 m alt.; 26 November 2011; Marlina Ardiyani with Anshary Maruzy, Yessi Santika & Dedy Wicaksono; M. Ardiyani 608.

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| Vernacular name | : Not recorded |
| Uses | : Not recorded |
| Distribution | : Sulawesi, Lombok |
| Ecology and habitat | : Grow in primary forest as well as disturbed forest. |

3. *Amomum maximum* Roxb., Asiat. Res. 11: 344. 1810.— *Cardamomum maximum* (Roxb.) Kuntze, Revis. Gen. Pl. 2: 687. 1891. — Type: Icones Roxburghianae 1009 (CAL). Figure 3.

Leafy shoots in clump, 77–152 cm high with 4–14 leaves. Base 1.4–20 cm diameter, yellow brown with dense scale scars. Sheath yellow green. Distance between leafy shoot 3.5–5 cm. Inner rhizome lighter than galanga. Sheath light yellowish green. Petiole 0.6–3.5 cm long, yellow green to green, glabrous. Ligule bilobed, light green (dry brown), glabrous, 0.4–2.6 cm long. Leaves lanceolate, 48.5–80.5 × 8–15.3 cm, yellow green, plicate, glabrous above, pale green with silver fine hair beneath. Inflorescence: peduncle 2.7–5.5 cm long with brown scale. Spike 2.8–7 × 1.7–4 cm, 1–2 flowers opening at a time. Flowers 5 cm long. Bracts 2.2–3.2 × 2.2 cm, dry brown. Bracteole 1.6–3.6 cm long, white transparent. Calyx three-lobed, 2.2–2.6 × 0.5 cm long, cream transparent with pink tinge. Corolla tube 2.4 cm long, white, lobes light yellow transparent with thick mucronate apex: dorsal lobe 2.0–2.1 × 0.8–0.9 cm, with mucronate apex, lateral lobes 1.9–2.0 × 0.4–0.5 cm, rounded apex, labellum 2.5 × 1.5–1.9 cm, broken white, median yellow with pink orange on the margin of the median red on lower part, yellow green on upper part; with pink-orange

rays, margin wrinkled, curled outward; teeth cream with pink tinge, 0.4–0.5 cm long; stamen cream white: filament 0.2–1 cm long, anther 0.8–1.1 × 0.4 cm with long appendage. Style 2.2 cm long, stigma cream. Ovary 0.65 × 0.4 cm, greenish white. Infructescence: peduncle 7–8 cm long, spike 3.5–6 × 7 cm. Fruits 11, deeply ridged, yellow green, red brown in the ridge: pedicel cream-white, 0.9 cm long. Individual fruit 1.2–2.7 × 0.8–2.5 cm, with 1.4 cm long of calyx remnant.

Specimens examined. Senaru Gate, Mt Rinjani National Park, Lombok, Lesser Sunda Island; S 08° 19' 10.7", E 116° 24' 08.4"; 831 m alt.; in disturbed forest; 25 November 2011; Marlina Ardiyani with Anshary Maruzy, Yessi Santika & Dedy Wicaksono; M. Ardiyani 605; Sapit, Mt Rinjani National Park, Lombok, Lesser Sunda Islands; S 08° 29' 13.4", E 116° 32' 42.4"; 699 m alt.; 26 November 2011; Marlina Ardiyani with Anshary Maruzy, Yessi Santika & Dedy Wicaksono; M. Ardiyani 607; About 3 km from the gate of Mt Rinjani National Park, Sapit, Aikmel Utara, Lombok, Lesser Sunda Islands; S 08° 29' 13.4", E 116° 31' 42.4"; 699 m alt.; 26 November 2011; Marlina Ardiyani with Anshary Maruzy, Yessi Santika & Dedy Wicaksono; M. Ardiyani 609.

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| Vernacular name | : Not recorded |
| Uses | : Not recorded |
| Distribution | : Java, Lombok (collected for the first time from Lombok Island, so first collection in BO) |
| Ecology and habitat | : Disturbed area |

4. *Amomum gracile* Blume, Enum. Pl. Javae 49.1827 — Type: C.L. von Blume s.n. (holo L).

Plant 91 cm high with 25 leaves. Distance between leafy shoot 6 cm long. Base 0.6 cm diameter, yellowish green with dry brown scale. Sheath green. Leaves lanceolate, 22.7 × 3.7 cm, green, glabrous. Petiole 0.5 cm long, green. Ligule 1.2 mm long, rounded, green with dry brown transparent margin. Inflorescence 4.5 cm long: peduncle 1.9 cm long with dry brown scale, 1 flower opening at a time. Bracts 1.8 cm long, cream transparent. Bracteole 1 cm long, cream transparent. Calyx 1.1 cm long, cream transparent. Corolla tube 1.6 cm long, cream white, corolla lobes cream transparent, dorsal lobe 1.4 cm long, hooded at apex, lateral lobes 1.1 cm long, labellum cup- or bowl-shape, 1.7 cm long, white, median yellow at apex, flanked with red lines; teeth red; filament 0.4 cm long, anther 0.4 cm long with appendages. Ovary 0.4 × 0.2 cm, cream white. Style white, 2.5 cm long. Stigma white.

Specimens examined. Desa Kembang Kuning, Kec Sikur, Lombok Timur, Lesser Sunda Islands; S 08° 32' 39.9", E 116° 25' 43.3"; 616 m alt.; 27 November 2011; Marlina Ardiyani with Anshary Maruzy, Yessi Santika & Dedy Wicaksono; M. Ardiyani 610.

Vernacular name : Not recorded
 Uses : Not recorded
 Distribution : Java, Lombok (collected for the first time from Lombok Island, so first collection in BO)
 Ecology and habitat : Disturbed area

5. *Alpinia* sp. (Figure 4).

Leafy shoot 2.8–5.6 m high with 3–5 leaves, base 14 cm diameter, attached to the other, yellowish brown. Distance between leafy shoot 16 cm long. Leaves 91–150 × 21–35 cm, yellowish to dark green above, glabrous, pale green, hairy beneath; base oblique acute-acuminate, wrinkled; apex round caudate. Ligule 1.7–4 cm long, acuminate, white, velvety. Young ligule green with white velvet, old one dark black green. Sheath light green. Petiole 2.5–3.4 cm long, yellow to light green, shortly winged, hairy. Lump between the base of ligule and petiole. Inflorescence 30–48 cm long, with 2 dry brown bracts, with 3–25 flowers opening at a time. Peduncle 12.5–25 cm long with short fine white hairs (velvety), green which is covered bracts, light brown which is open. Spike 14–25 × 5–6 cm. Flower cincinni, pedicel 0.5 cm long. Male flower 4.1 cm long, with 2 sessile flower; bracteole long cup-shape, outer bracteole 0.9–1.5 cm long, cup-shaped, dry brown, inner bracteole 0.8–1 cm long, dry brown. Calyx 1 cm, cream, three-lobed with green apex. Corolla three-lobed, cream transparent with green thickening apex, dorsal lobe 1.1–1.2 × 1.0–1.1 cm, lateral lobes 1.1 × 0.9 cm; corolla tube 0.6–1 cm long, cream, transparent. Lateral staminodes 0.35 × 0.1 cm, cream white. Labellum pinkish white, curled inward on the margin and on the apex, 1.5 × 0.5 cm. Filament 0.7–0.8 × 0.5 cm, cream white. Anther 0.6–0.7 cm, yellowish cream to cream brown.

Specimen examined. Near Pos III, Mt Rinjani National Park, Lombok, Lesser Sunda Islands; S 08° 21' 43.6", E 116° 23' 47.5"; 1921 m alt.; 24 November 2011; Marlina Ardiyani with Anshary Maruzy, Yessi Santika & Dedy Wicaksono; M. Ardiyani 603. About 300 m from Pos III, Mt Rinjani National Park, Lombok, Lesser Sunda Islands; S 08° 21' 52.7", E 116° 23' 53.7"; 2030 m alt.; 24 November 2011; Marlina Ardiyani with

Anshary Maruzy, Yessi Santika & Dedy Wicaksono; M. Ardiyani 604. Lombok, Rinjani, Poesoek pass; 1500 m alt.; 13 June 1936; De Voog; Code box. M-6848; BO-0081190; No. 2589.

Vernacular name : Not recorded
 Uses : Not recorded
 Distribution : Lombok
 Ecology and habitat : Only found on the altitude of approximately 2000 m, on the slope in open pine forest.

6. *Globba marantina* L., Mant. Pl. 2: 170. 1771. — Type: (LINN-45.1) LT designated by Burtt & Smoth, Notes Royal Bot. Gard. Edinburgh 31: 188. 1972.

Small plants with about 7 leaves. Leaves narrow elliptic, 13–14.5 × 2.9–3.5 cm, base acute, apex caudate; ligule 2 mm long; petiole 3 mm long. Inflorescence terminal, 7 cm long; bracts 1–2 × 0.7–0.9 cm.

Specimen examined. Lombok; 362 m alt.; 1972; Von Frau Rensch. North of Rinjani Mt., Bayan village; 125–225 m alt.; 27 April 1909; J. Elbert 730.

Vernacular name : Not recorded
 Uses : Not recorded
 Distribution : Lombok
 Ecology and habitat : Found near waterfall

INCOMPLETE SPECIMENS

1. *Amomum* sp.

Plants about 49 cm high. Leaves sessile, glabrous, 24 × 3 cm, base acute, apex acute; ligule bilobed, apex rounded, membranous, 0.9 cm long. Inflorescence radical, spike 3.5 × 2.8 cm.

Specimen examined. Sembalun, Lombok; 200 m alt.; 1927; Gesammelt am: 5,4 von Frau Rensch, Nr 306; BO-0087450; cabinet No. 580

Vernacular name : Not recorded
 Uses : Not recorded
 Distribution : Lombok
 Ecology and habitat : Not recorded

2. ? *Amomum* sp.

Plants about ? cm high (plants cut). Leaves glabrous above, hairy beneath, 52–55 × 7.2–8 cm, base long acute, apex slightly acuminate; petiole 1–4.5 cm long, glabrous; ligule bilobed, apex acute, membranous, 2.0–2.2 cm long. Inflorescence radical, lax; spike 5–5.5 × 3.5–4 cm; bracts 4 cm long, slightly mucronate. Fruits small elongate, velvety, 0.9–1 × 0.3–0.4 cm, shallowly ridged.

Specimen examined. Desa Swela, Kecamatan Aikmel, Lombok Timur; ± 440 m alt.; 17 August 2000; Mulyati R., Rugayah, Pratiwi & Hamzah; Code box. M-6972; BO-1442373; Coll.; No. 549.

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| Vernacular name | : | Rengga |
| Uses | : | Not recorded |
| Distribution | : | Lombok |
| Ecology and habitat | : | Not recorded |

3. *Etlingera* sp.

Leaves 26.5–28.8 × 6.8–8 cm, base oblique, acute, apex acuminate; petiole 0.5–0.6 cm long; ligule 0.4 cm long, Inflorescence radical, red; spike 6.5 × 4.5 cm; bracts 4.5 × 1 cm, lanceolate, apex acuminate, glabrous.

Specimen examined. Hutan Semboye, Desa Santong, Kecamatan Kayangan, Lombok Barat; 8° 19' 512" S, 116° 17' 578" E; ± 550 m alt.; 26 August 2000; Mulyati R., Rugayah, Pratiwi & Hamzah 632; BO-1443044.

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| Vernacular name | : | Bujak |
| Uses | : | Not recorded |
| Distribution | : | Lombok |
| Ecology and habitat | : | Not recorded |

4. *Etlingera* sp.

Plants about 3 m high. Leaves sessile, glabrous, 48.5 × 11 cm, base cuneate, apex acuminate; ligule 0.7 cm long, glabrous. Inflorescence: spike 6.5 × 4.5 cm; bracts elliptic to ovate, margin papery when dry, long mucronate, mucro 0.8 cm long.

Specimen examined. Lombok, West Rinjani; 1800 m alt.; 15 August 1936; De Vogt 2685; BO-0084887.

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| Vernacular name | : | Not recorded |
| Uses | : | Not recorded |
| Distribution | : | Lombok |
| Ecology and habitat | : | Not recorded |

5. *Etlingera* sp.

Specimen examined. Ds. Senaru, Kec. Bayan, Kab Lombok Barat; 8° 17' S 116° 24' E; disturbed forest; October 2001; Riswan, S., Afriastini, J.J.; Nurdin SR-063.

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| Vernacular name | : | Kacingciu |
| Uses | : | Not recorded |
| Distribution | : | Lombok |
| Ecology and habitat | : | Not recorded |

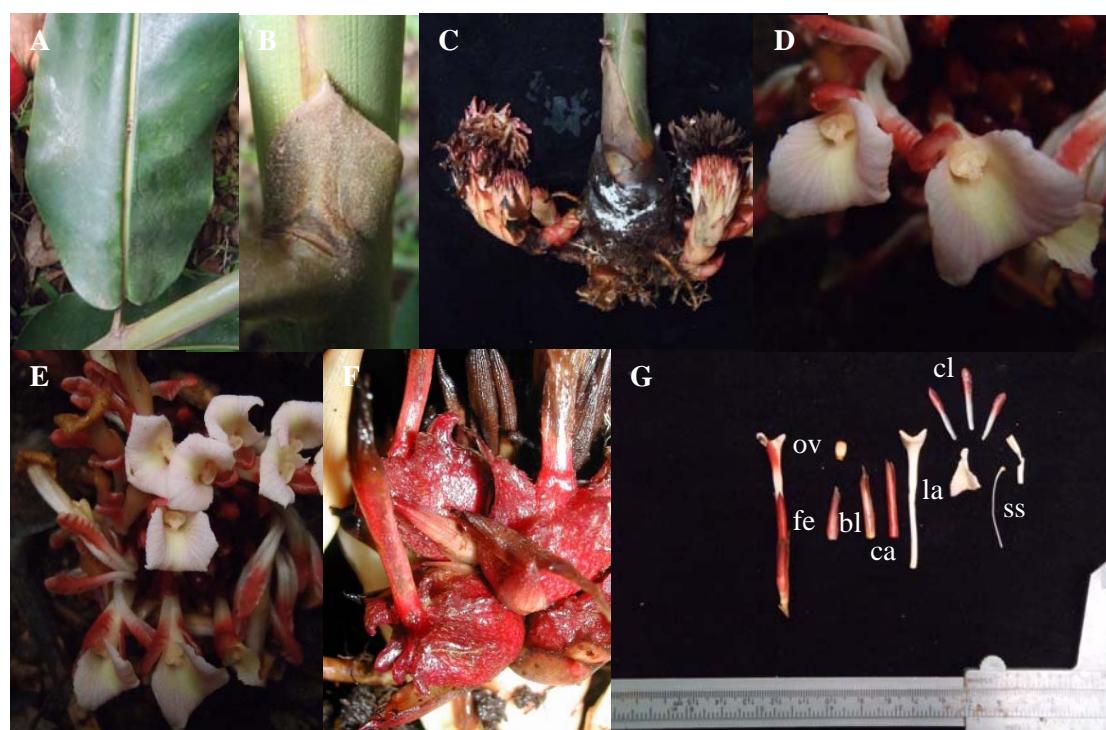


Figure 1a. *Etlingera rubroloba*. A. Base of leaf blade. B. Ligule. C. Inflorescence and infructescence. D. Inflorescence, close-up. E. Inflorescence. F. Infructescence, close-up. G. Flowers, close-up: fe = fertile bract, bl = bractole, ca = calyx, cl = corolla lobe, la = labellum, ov = ovary, ss = stamen and stigma. M. Ardiyani 600, 601, 606. Photographs by Anshary Maruzy.



Figure 1b. *Etlingera rubroloba*. A. Ligule. B. Tip of leaf blade. C. Inflorescence, close-up. D. Flowers, close-up: fe = fertile bract, bl = bracteole, ca = calyx, cl = corolla lobe, la = labellum, ov = ovary, ss = stamen and stigma, fr = fruit. M. Ardiyani 610. Photographs by Anshary Maruzy.

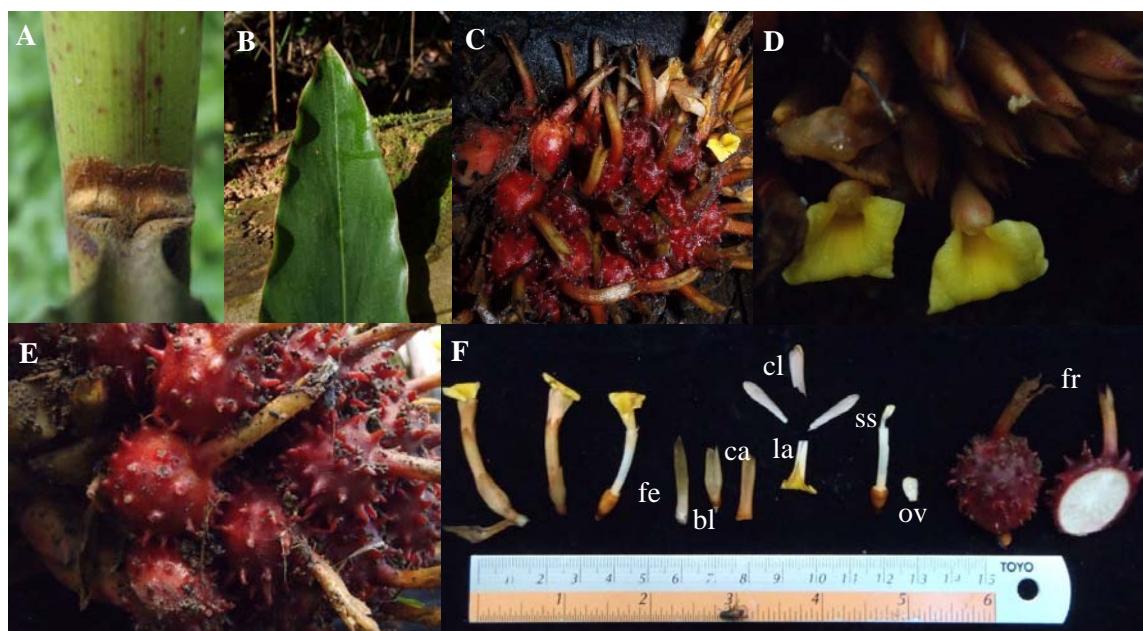


Figure 2. *Etlingera calophrys*. A. Ligule B. Tip of leaf blade. C. Inflorescence and infructescence. D. Inflorescence, close-up. E. Infructescence, close-up. F. Flowers, close-up: fe = fertile bract, bl = bracteole, ca = calyx, cl = corolla lobe, la = labellum, ov = ovary, ss = stamen and stigma, fr = fruit. M. Ardiyani 602, 608. Photographs by Anshary Maruzy.

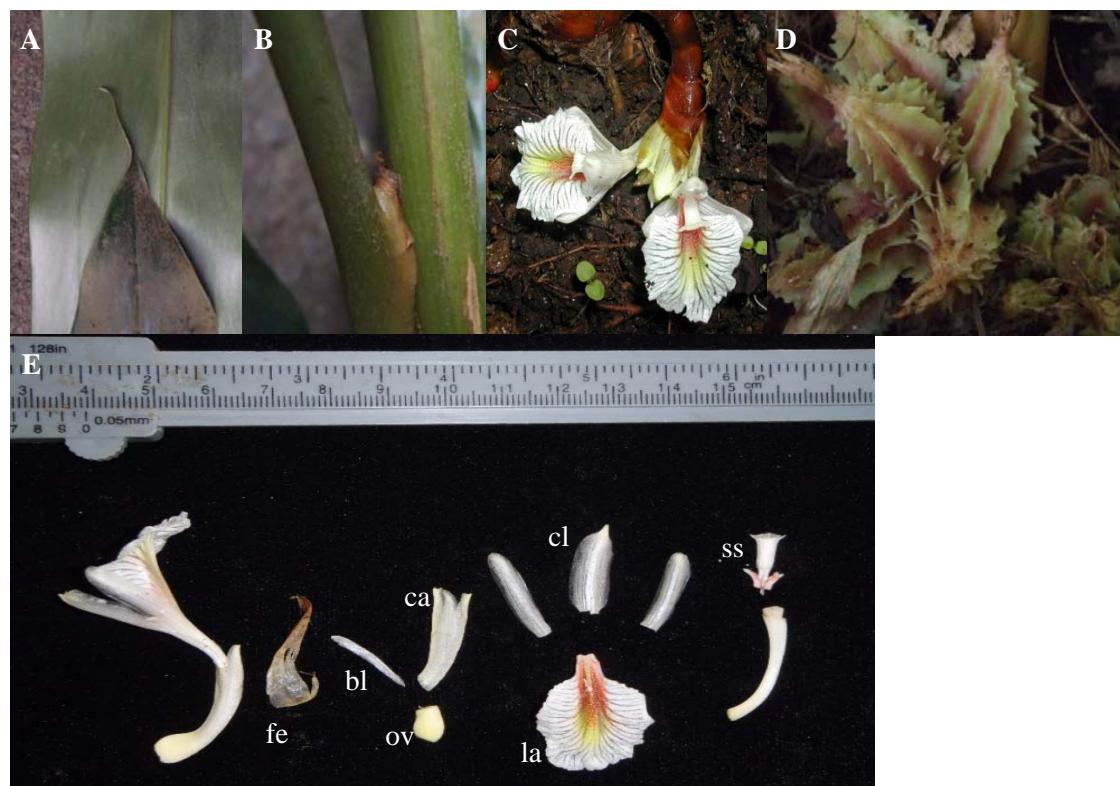


Figure 3. *Amomum maximum*. A. Tip of leaf blade. B. Ligule. C. Inflorescence, close-up. D. Infructescence, close-up. E. Flowers, close-up: fe = fertile bract, bl = bracteole, ca = calyx, cl = corolla lobe, la = labellum, ov = ovary, ss = stamen and stigma. M. Ardiyani 605, 607, 609. Photographs by Anshary Maruzy.



Figure 4. *Alpinia* sp. A. Ligule. B. Base of leafy shoot. C. Inflorescence, close-up. D. Inflorescence. E. Flowers, close-up: fe = fertile bract, bl = bracteole, ca = calyx, cl = corolla lobe, la = labellum, ov = ovary, ss = stamen and stigma, fr = fruit. M. Ardiyani 603, 604. Photographs by Anshary Maruzy.

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