

114. SONNERATIACEAE

Trees. Leaves simple, entire, opposite, estipulate. Flowers small or large, solitary or few, when numerous, arranged in panicles, regular, bisexual or unisexual; calyx tube slightly united with ovary, its segments 4-8, valvate; petals none or as many as and alternating with calyx lobes; stamens mostly many, sometimes 12, episealous, often many-seriate; filaments inwardly bent in bud, thread-like; anthers basifixed, introrse, lateral cells longitudinally dehiscent; ovaries flatly ellipsoid, rarely completely 2- to 20-celled, superior, placentae at first parietal but often extending to axis, each cell with numerous ovules in many rows; styles with capitate or umbrella-like stigmas. Fruits dry or fleshy, indehiscent or loculicidally dehiscent; seeds many, minute, exalbuminous.

Genera 2, species 10; tropical East Africa, southeastern Asia and Malesia to Queensland and Polynesia; 2 genera and 3 species in the Philippines

1. DUABANGA Buchanan-Hamilton

Trees tall, buttressed. Leaves cordately oblong, glaucous beneath, short-petioled. Panicles large, terminal with opposite branches, few-flowered; flowers large; calyx tube broad, lobes thick, 4-7; petals 4-7 clawed, obovate, crisp, undulate, nearly white or yellowish tinged; stamens 12 or many, inserted upon a perigynous ring; ovaries conical, 4- to 8-celled; styles bent, elongated, terminated by a 4- to 8-lobulate stigma; ovules numerous. Capsules loculicidally 4- to 8-valved; seeds tailed at both ends by produced testa.

Species 3, southeastern Asia and Malesia; 1 in the Philippines.

1. *Duabanga moluccana* Bl., Mus. Bot. Lugd.-Bat. 1: 109. 1849; Backer & van Steenis, Fl. Mal. I, 4: 268, 1951; Jayaweera, J. Arn. Arb. 48: 91, f.1a-k, 1967. **Figure 148**

Young branchlets angular or angularly winged, becoming terete with age. Leaves oblong, 8-18 cm, midrib thick with 10-15 pairs of nerves whose tips form a submarginal vein, acute to acuminate, base broadly rounded or subcordate; petioles short, stout. Panicles rigid, 15 cm long, glabrous; flowers on thick pedicels, dingy white; calyx campanulate, leathery, 1.5 cm long without stipe, articulate at base. 4 triangular lobes erect; petals thin, soon withering, exceeding and alternating with calyx segments; stamens much longer; filaments flattened toward base; styles 4 cm long. Capsules 2 cm long, tapering toward both ends, rigidly chartaceous, 4-angled, valves persistent after opening, closely attached at base of calyx; seeds dark brown, shiny.

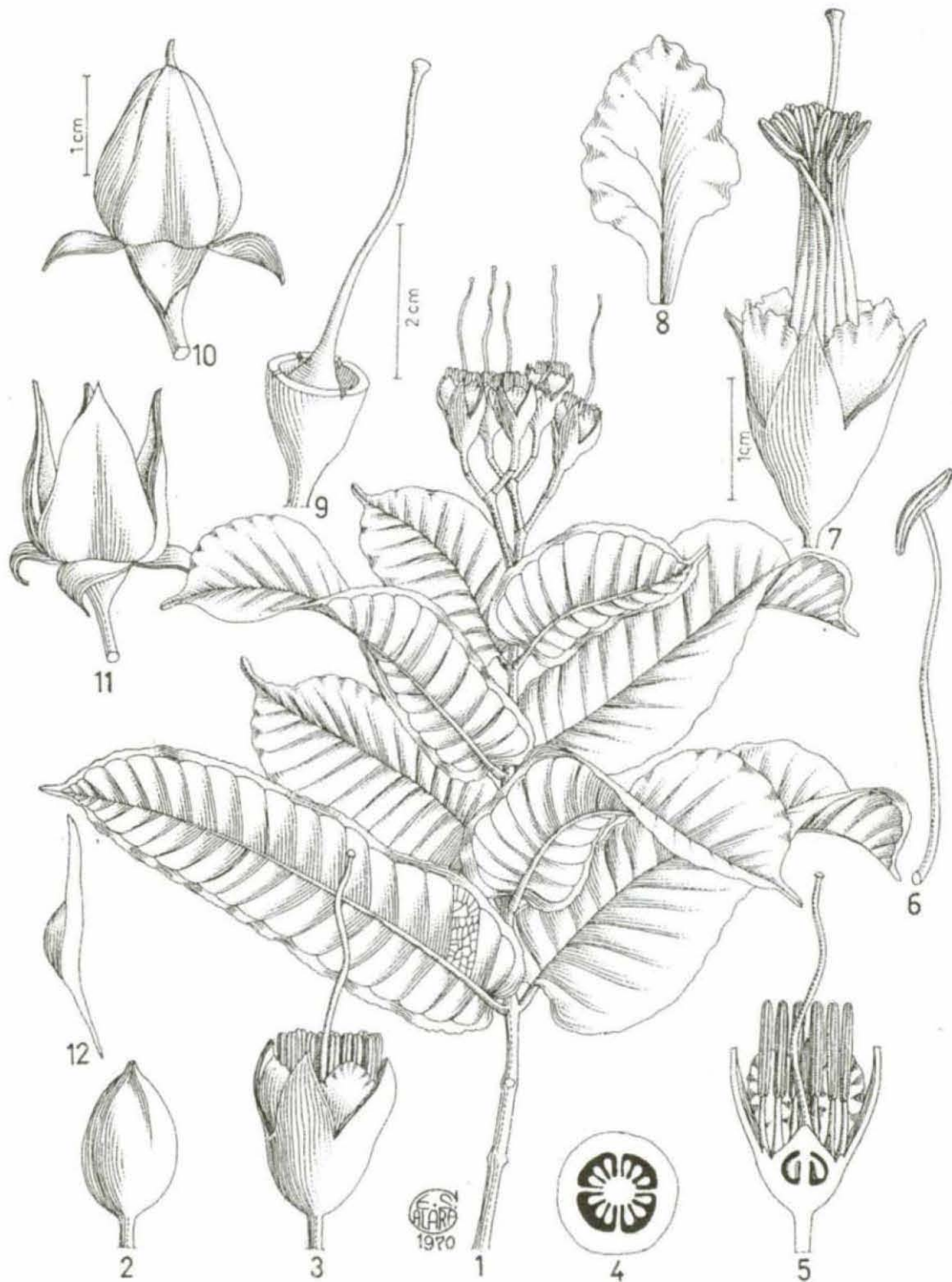


Figure 148 *Duabanga moluccana*: 1. flowering branch, 2. flower bud, 3. flower, about to open; 4. ovary, cross section; 5. ovary, vertical section; 6. stamen; 7. flower, fully open; 8. petal; 9. flower, petals and sepals removed; 10. capsule, undehiscent; 11. capsule, dehiscent, 12. seed.