

## A Revision of the genus *Euchresta* Bennett (Leguminosae-Papilionoideae) in Thailand

Chawalit Niyomdham\*

Shrubs. Leaves alternate, imparipinnate, leaflets 3 – 7, opposite, exstipulate. Flowers solitary arrange along the inflorescence rachis; bracts small, persistent; bracteoles absent. Calyx deep campanulate to tubular, very oblique and gibbous at the back, caducous in fruit; teeth 5. Corolla much exserted; standard suberect, narrow, slightly longer than wings and keel; wings oblong, obtuse, slightly falcate, free, claw very long; keel rather like the wings, scarcely cohering at the apex. Stamens 10, diadelphous, the vexillary free, the remainder slightly connate; anthers small, versatile. Ovary stipitate, 1 – 2-ovuled; style filiform, incurved; stigma small, capitate. Fruit stipitate, ovoid or ellipsoid, drupe-like, indehiscent, 1-seeded; seeds exalbuminous.

About 5 species in the tropical and subtropical Asia. Only one species found in Thailand.

*Euchresta horsfieldii* (Lesch.) Bennett, Pl. Jav. Rar. : 148, t. 31. 1838; Baker in Hook. f., Fl. Br. Ind. 2 : 248. 1878; Craib, Fl. Siam. En. 1 : 496. 1928; Backer and Bakhuizen, Fl. Jav. 1 : 619. 1963; Ohashi and Sohma in J. Fac. Sc. Univ. Tokyo 10 : 207. 1970.— *Andira horsfieldii* Lesch. in Ann. Mus. 16 : 481, t. 12. 1810; DC. Prodr. 2 : 476. 1825. Figure 23.

An erect shrub, up to 1.5 m high; young shoot and inflorescence axis puberulous. *Leaves* alternate, imparipinnate, usually 5-foliolate; petioles (including rachis) 15 – 20 cm long, longitudinal grooved and sharply ridged or narrowly winged above; leaflets opposite, thinny freshy, elliptic, obovate to oblong, 8 – 20 cm long, 3.5 – 8.5 cm wide, the terminate one the largest, apex abruptly acute to acuminate, base cuneate, upper surface dark green, glabrous, lower surface pale, puberulous; midrib sunken above, prominent beneat; lateral nerves very thin, 6 – 8 pairs, reticulation inconspicuous; petiolules very short or sessile. *Inflorescence* in terminal raceme and sometimes leaf-opposed, 3 – 5 cm long (in fruiting stage up to 15 cm long); flowers white, pedicels ca 0.5 cm long, hairy. *Calyx* tubular, very oblique and gibbous at the back, deflexed against the pedicels, ca 1 cm long, hairy; teeth 5, shallowly dentate. *Corolla* : standard narrowly oblong-obovate, emarginate,

\* The Forest Herbarium, Royal Forest Department, Bangkok 10900, Thailand.

gradually narrowed into a long claw, ca 18 mm long, 5 mm wide; wings oblong, obtuse, with a long claw, ca 16.5 mm long, 4 mm wide; keel  $\pm$  as long as the wings. Stamens 10, diadelphous, the vexillary free. *Ovary* long stipitate, glabrous. *Pod* oblong-ellipsoid, purplish-black, shining, 1.5–2 cm long, 1.3–1.5 cm across; pericarp thin; stipe ca 1 cm long. *Seeds* oblong, ca 15 mm long, 8 mm across; testa very thin, fragile.

**T h a i l a n d.**—NORTHERN : Chiang Mai, (Doi Inthanon National Park); KERR 5334, SUWANASUDDHI 72, SMITINAND et al. 7615.

**D i s t r i b u t i o n.**— From Java (type) to northern India.

**E c o l o g y.**— In lower montane forest, up to 2000 m alt.



Figure 23. *Euchresta horsfieldii* (Lesch.) Bennett

A. portion of flowering branch; B. standard; C. wing; D. keel; E. ovary; F. pod, showing the insertion of the stipe to the peduncle and the portion of the infructescence; G. seed, showing testa and cotyledons.