Lindernia aculeata (Bonati) T. Yamaz. (Scrophulariaceae) newly recorded for Thailand

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ABSTRACT. *Lindernia aculeata* is reported for the first time in Thailand, with a full description and illustrations.

Lindernia aculeata (Bonati) T. Yamaz., J. Jap. Bot. 53: 2. 1978; J. Fac. Sci. Univ. Tokyo, sect. 3, Bot. 13: 60, f. 18. 1981.— *Ilysanthes aculeata* Bonati, Bull. Soc. Bot. Fr. 55: 541. 1908; Fl. Gén. I.-C. 4: 427. 1927. Fig. 1–2.

Annual herb. *Stem* simple erect, 1.5–10 cm tall, quadrangular, generally not rooting at nodes, glabrous except for sparse pubescence at nodes. *Leaves* simple, opposite, linear-lanceolate, 6–18 by 0.5–2 mm, sessile, uninerved, the nerve promiment on both surfaces, apex acuminate, base attenuate, margins serrate, glabrous on both surfaces. *Inflorescence* short, subumbellate, 4–10-flowered, the flowers terminal and axillary, clustered; pedicels 1–4 mm long or flowers sessile. *Bracts* linear to linear-lanceolate, ca. 4 mm. *Calyx* cylindric, 3–5 mm long, deeply 5-lobed, lobes filiform, acuminate, 5-nerved, minutely scabrid towards apex. *Corolla* bilabiate, tubular, purplish, 4–7 mm long; upper lip oblong, shallowly bilobed; lower lip trilobed; central lobe ovate; lateral lobes spreading. *Stamens* 4, posterior pair ca. 2 mm long, fertile, anterior pair reduced to staminode, 0.3–0.5 mm long. *Ovary* oblong, 1–2 mm long, glabrous, style filiform, 4 mm long, glabrous, style filiform, 4 mm long, stigma bilamellate, 1–1.5 mm long. *Capsule* oblong, 6–8 by 0.5–1 mm, longer than persistent calyx, septicidally bivalved. *Seeds* many, small, shortly cylindric, 0.5 by 0.26 mm, scrobiculate.

T h a i l a n d.— EASTERN: Ubon Ratchathani, Sirindhon District, Phu Phak Etu, Kaeng Srikhot village, *Wong* 2703 (BK 62530).

D i s t r i b u t i o n.— Cambodia and Laos.

E c o l o g y.— On sandy and open ground of evergreen forests along mountain ridges, 200–500 m.

V e r n a c u l a r.— Khem daeng (เข็มแดง).

U s e s.— The whole plant is used as cardiotonic by decoction in water.

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REFERENCE

Yamazaki, T. 1990. Scrophulariaceae. In: Smitinand, T. & Larsen, K. (eds). Flora of Thailand 5(2): 139–238.

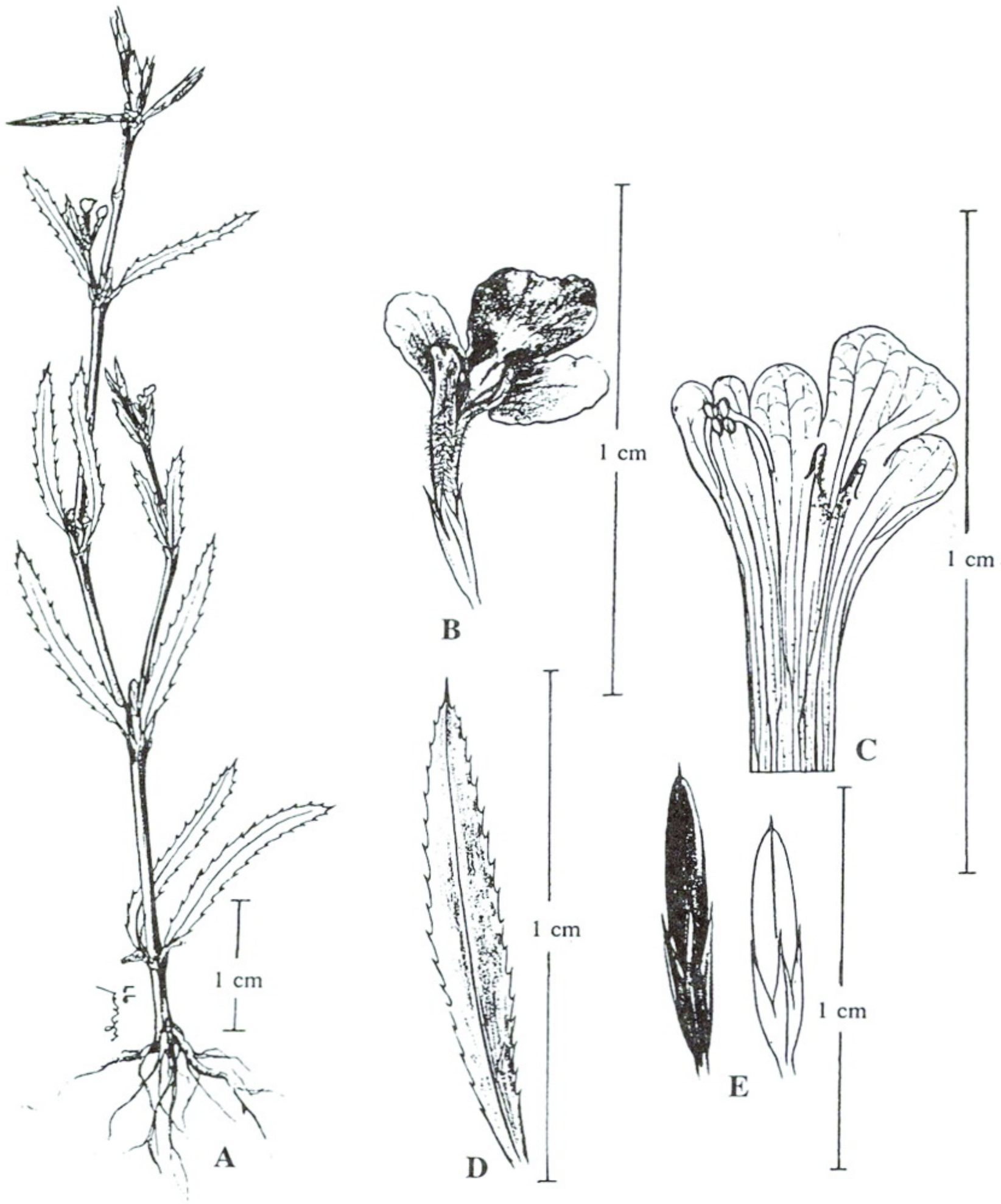


Figure 1. *Lindernia aculeata* (Bonati) T. Yamaz.: A. Whole plant with inflorescences; B. Flower; C. Corolla dissected; D. Leaf; E. Capsules. Wong 2703 (BK 62530).







Figure 2. *Lindernia aculeata* (Bonati) T. Yamaz.