

A NEW SPECIES OF WILLUGHBEIA
(APOCYNACEAE: PLUMERIOIDEAE) FROM BORNEO

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SUMMARY

The new species *Willughbeia lunduensis* D.J. Middleton is described.

INTRODUCTION

Whilst examining the material of Apocynaceae in the Forest Research Institute of Malaysia in Kepong I came upon a specimen of *Willughbeia* collected in Sarawak which proved to be a new species related to *W. sarawacensis* (Pierre) K. Schum. and *W. anomala* Markgr. but differing from them in the very much larger and more densely pubescent flowers. The genus *Willughbeia* Roxb. has recently been revised (Middleton, 1993) and unfortunately this species is not included. It will, however, be incorporated into the future Flora Malesiana account.

Willughbeia lunduensis D.J. Middleton, *spec. nov.* — Fig. 1

Willughbeia anomala affinis sed tubo et lobis corollae longioribus. *Willughbeia sarawacensis* affinis sed inflorescentiis et tubo et lobis corollae longioribus. — Typus: *Awa & Ilias Paie S 47407* (KEP holo; KEP iso) from Malaysia, Sarawak, 1st Division, Sebako Waterfall, Lundu.

Climber to 6 m high. Branchlets brown tomentose. *Leaves*: petiole 1.4–2.7 cm long; blade elliptic, oblong or slightly obovate, apex short acuminate, base acute to obtuse, 17.3–19.7 × 6–8.1 cm, 2.6–3.1 × as long as wide, 17–19 pairs of lateral nerves at 80° to the midrib, tertiary venation scalariform, tomentose on midrib and nerves. *Inflorescence* of a short peduncled cyme with flowers clustered at ends, tomentose, 5.4–7 cm long; pedicels 1.3–3.5 mm long. *Sepals* ovate, strongly imbricate, apex rounded, 1.1–1.5 × 1.8–2.1 mm, 0.6–0.7 × as long as wide, tomentose. *Corolla* white; tube 2.8–3 cm long; lobes obovate, 1.2–1.4 cm long, 3.5–4 mm wide; tomentose outside, pubescent around stamens inside. *Stamens* inserted at 7.3 mm from corolla base, which is 0.3 of tube length; filaments 1.4 mm long, strongly bent; anthers 2.5 × 0.6 mm, 4.2 × as long as wide. *Ovary* 1.2 mm long; style + pistil head 3.7 mm long. *Fruit* unknown.

Distribution — Solitary collection from Sarawak, 1st Division.

Ecology — Collected in primary forest at 100 m altitude.

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REFERENCES

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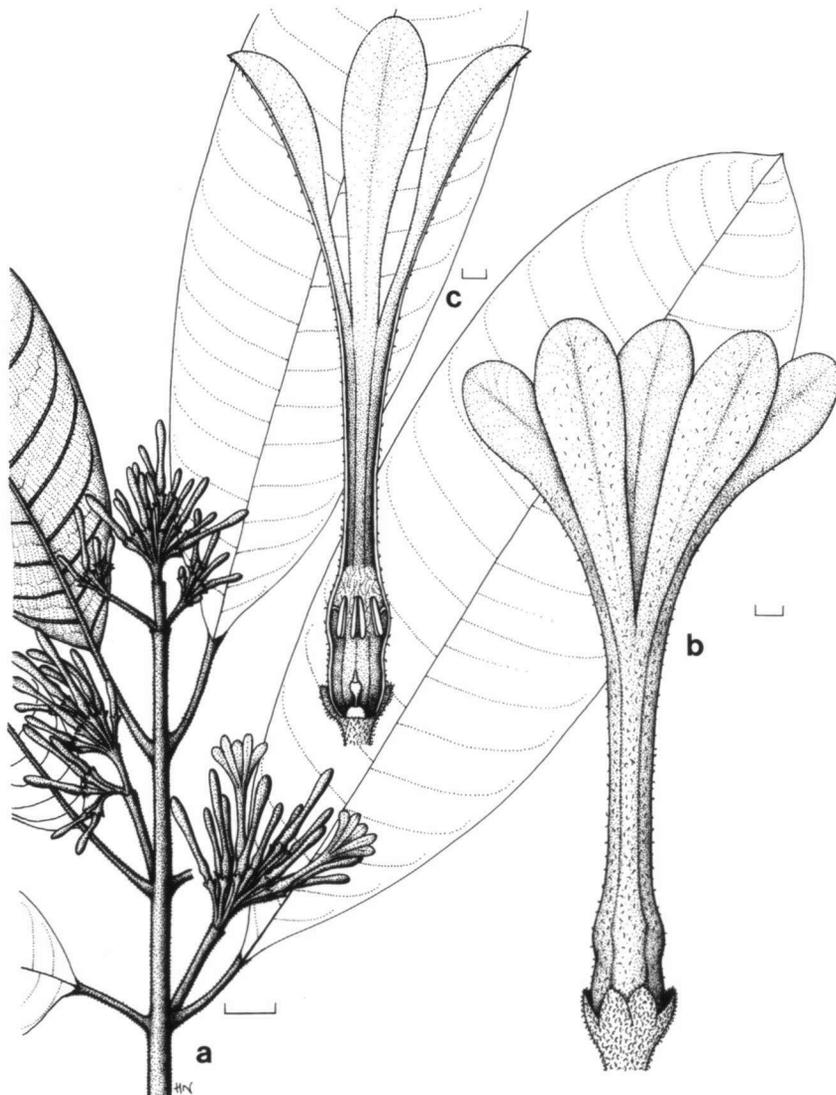


Fig. 1. *Willughbeia lunduensis* D.J. Middleton. a. Habit; b. flower; c. flower dissection. Scale bars: a = 1 cm, b & c = 1 mm.