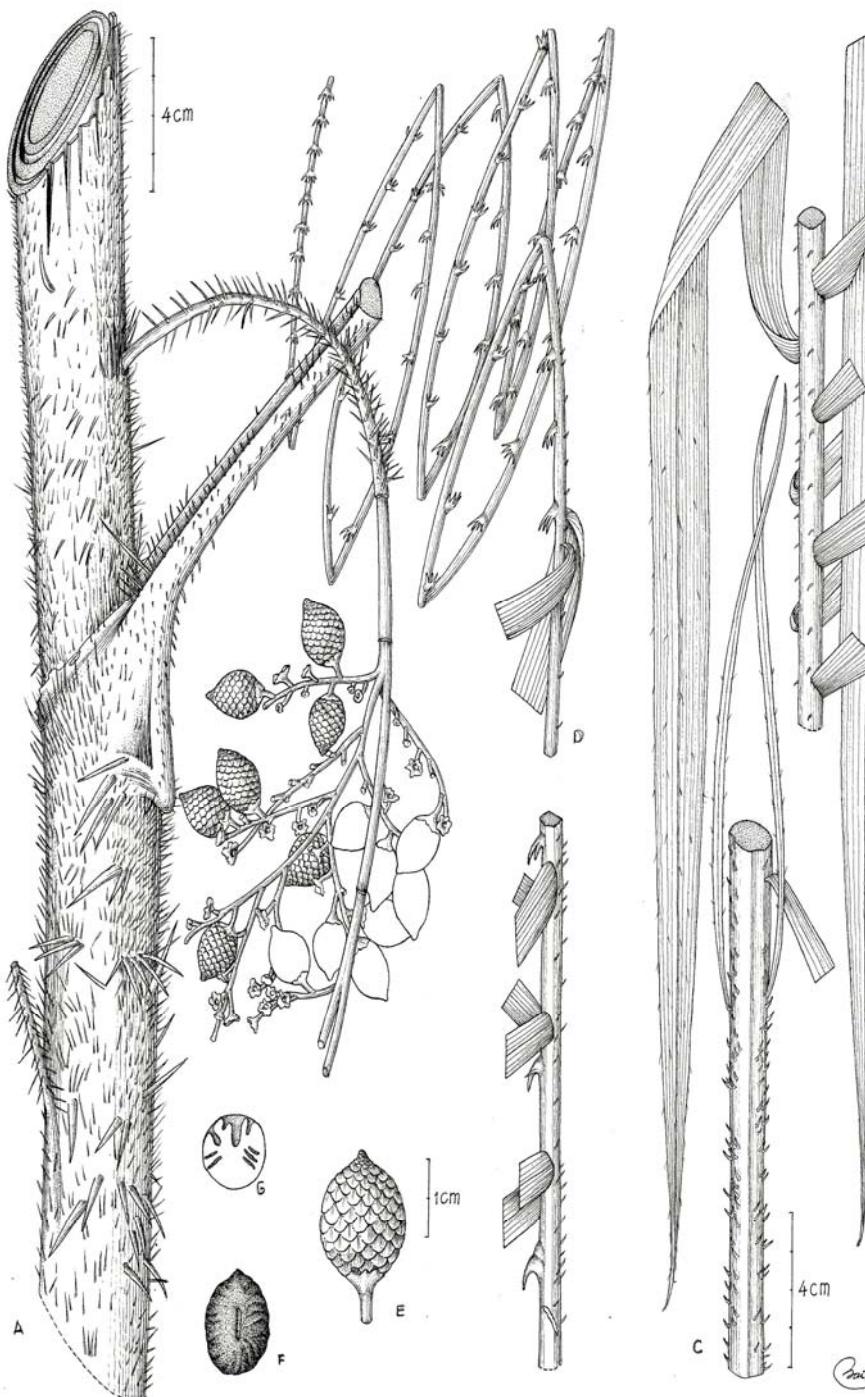




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IMPATIENS RUBRICAULIS (BALSAMINACEAE), A NEW SPECIES OF IMPATIENS FROM WEST SUMATRA.

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ABSTRACT

UTAMI, N. 2009. *Impatiens rubricaulis* (Balsaminaceae), a new species of *Impatiens* from West Sumatra. *Reinwardtia* 13(1): 93–94. — *Impatiens rubricaulis* Utami (Balsaminaceae) is described as a new species.

Key words: *Impatiens rubricaulis*, Balsaminaceae, new species, West Sumatra

ABSTRAK

UTAMI, N. 2009. *Impatiens rubricaulis* (Balsaminaceae), jenis baru yang berasal dari Sumatra Barat. *Reinwardtia* 13 (1): 93–94. — *Impatiens rubricaulis* Utami (Balsaminaceae) dipertelakan sebagai jenis baru.

Kata kunci : *Impatiens rubricaulis*, Balsaminaceae, jenis baru, Sumatera Barat

INTRODUCTION

In 2009, one more specimen of *Impatiens* (Balsaminaceae) from Air Sirah, West Sumatra was collected. In a revision of Sumatran *Impatiens* Grey -Wilson (1989) described 29 species from Sumatra. To this number Shimizu & Utami (1997) and Utami (2005) added three species of *Impatiens* i.e., *I. tujhensis* Utami & Shimizu, *I. batanggadensis* Utami and *I. sorikensis* Utami. The species are found in montane forest, along rivers, streams and near waterfalls. Almost all Sumatran species have yellow or orange-yellow flowers and green stems. Its reddish stem, shape of the floral organ is clearly show it could not be attributed to any known species. This specimen hence represents a new, undescribed species belonging to section *Macrocentron* Warb. & Reiche (1895).

Impatiens rubricaulis Utami, spec. nov. — Figs. 1 & 2.

Impatiens delectans Ridl. affinis, sed aliae, vexillum, sepulum inferior forma and colore caulis differt –Typus: Rani & Nanda Utami 487 (BO), Indonesia, West Sumatra, Solok, Air Sirah, 1000 m asl.

Decumbent perennial herb up to 20 cm tall; stems thin, reddish, rooting at the lower nodes, glabrous. Leaves alternate; petiole 1-2 cm long, stipitate glands on each side; lamina ovate to elliptic, 1-4.5 by 1-1.5 cm, base acute, apex acute, upper and lower part glabrous, margin serrate, each tooth terminated by a distinct, ca. 1 mm long. Inflorescences usually 1-flowered. Flowers bright yellow. Pedun-

cles ca. 2.5 cm long, glabrous. Lateral sepals 2, flattened, elliptic, ca. 0.5 by 0.2 cm, red purple, glabrous; lower sepal shallowly navicular, ca. 1.5 cm long, 1 cm deep, abruptly constricted into a curved filliform spur; spur ca. 2 cm long, white with pink tinge, glabrous. Dorsal petal ovate, red-orange ca. 1.5 by 0.5 cm wide; lateral ones united, ca. 2 cm long; uppert part of each pair ± obovate, c. 1.5 cm by 0.5 cm.; lower part of each pair ± obliquely elliptic, c. 0.5 cm by 0.3 mm. Ovary glabrous. Fruit a capsule, fusiform, ca. 5 by 3 mm diam., glabrous.

Distribution. Endemic in West Sumatra

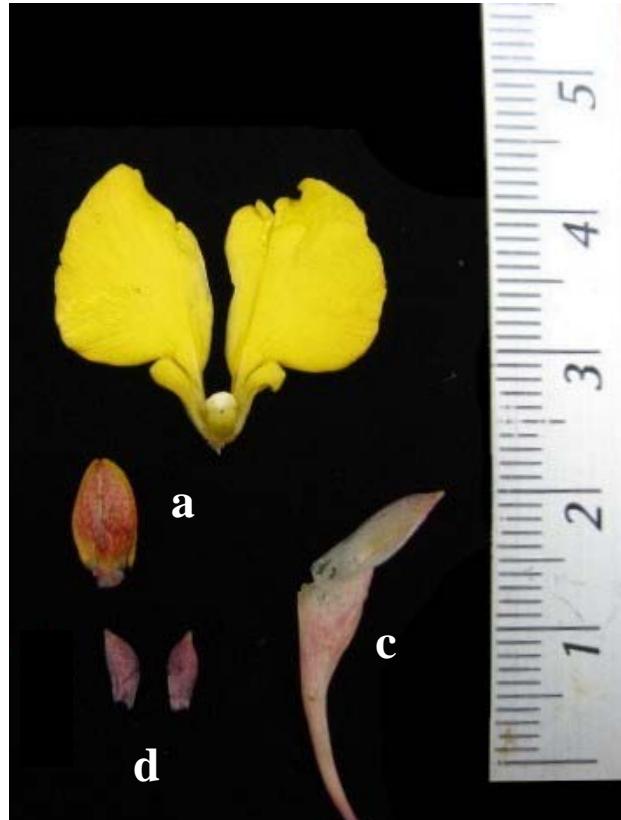
Habitat. Along the road on the moist places at 1000 m asl.

Note. This plant is similar to *I. delectans* Ridl., but differs from it in having a reddish stem, a different shape of the dorsal petal, lateral united petals and lower sepal. In *I. delectans* the stems are green, the dorsal petal cuculate with a “keel like” crest above, lower sepal shallowly navicular and abruptly constricted into a straight spur. The lateral united petal have a ± ovate upper part and an ± elliptic lower part.

Additional specimens examined. INDONESIA. Sumatra: West, G. Kerinci. April 1920. Bünnemeijer 9845 (BO) & May, 1920, Bünnemeijer 9998 (BO); Gn. Gadut, 25 Jan., 1988; M. Hotta et al. 24 (BO); Kalumbuk, Tabek, Talang Babungo, Alahan Panjang, 31 Dec, 1987, H. Okada et al 55 (BO).



Fig.1. Habit of *Impatiens rubricaulis* Utami spec. nov.



Figs.2. Flora organs of *Impatiens rubricaulis* Utami a. Lateral united petals, b. Dorsal petal, c. Lower sepal and spur, d. Two lateral sepals

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