

Accepted name: *Dendrochilum flos-susannae* J.J.Wood, Orchid Rev. 105: 142 (1997).

## Subgenus – *Platyclinis*

### Synonyms

None

### Origin in the Wild

Sarawak

### Elevation in the Wild

200 metres

### Habitat in the Wild

This species was collected in Sarawak in the Lanjak-Entimau Park, along the Ensirieng River.

The habitat is described as primary mixed dipterocarp forest (Wood 2001).

### The Plants Description

I could not find a description of the pseudobulbs or leaves. J.J. Smith wrote that the habit is similar to *Dendrochilum gracile* (Wood 2001).

### The Inflorescence

Peduncles are subpendent and measure up to 21.5cm long. Rachises are quadrangular in cross section, pendent and measure 13.0-28.0cm long. Flowers alternate distichously and are spaced 5.0-12.0mm apart. There is one non-floriferous bract at the base of the rachis.

### The Flowers

Between 16 and 32 flowers grow on an inflorescence (Wood 2001). Sepals and petals are light brownish olive; labella are light orange at their base. Side lobes are chocolate brown; mid-lobes are light brownish olive with chocolate brown coloured keels separated by an orange line. Dorsal sepals are concave basally, a lanceolate shape and have acuminate reflexed apices. Dorsal sepals measure 14.0-17.0mm long and 3.8-3.9mm wide. Dorsal sepals are three veined and have entire margins. Lateral sepals are concave basally, an obliquely lanceolate shape and have acuminate reflexed apices. Lateral sepals measure 13.0-17.0mm long and 3.0-4.0mm wide. Lateral sepals are three veined and have entire margins. Petals are a lanceolate shape and have acute apices. Petals measure 12-15mm long and 3.0-3.1mm wide. Petals are three veined and often have slightly irregular margins. Petals have a few scattered minute trichomes basally. Labella are stipitate to columns by a long claw, porrect, concave and 3-lobed. There are three prominent veins on the labellum. Labella measure 11.0-13.8mm long and 3.8-4.0mm wide. Side lobes are erect to spreading, an obliquely triangular shape and have acuminate apices. The upper margins of the side lobes are serrate to erose. Mid-lobes is a rhomboid shape from a linear-oblong claw and have acute apices. Mid-lobe margins are minutely erose. There

are two keels that are not joined at the base of the labellum. The keels terminate half way along the mid-lobe of the labellum and nearly join where they terminate. The keels are separated by a deep groove that widens closer to the apex; the groove creates a keel on the underside of the labellum. Columns are gently curved and measure 6.0-7.0mm long. Column feet are prominent. Apical hoods are elongated into an oblong shaped hood and have irregular margins. Stelidia grow upwards from the centre of the column and are shorter than the apical hood. Stelidia measure 2.0-2.9mm long. Stelidia are a narrowly falcate shape and have acute apices.

#### Herbarium Specimens

Holotype

National Herbarium Netherlands (L)

I could not locate the specimen

Isotype

Royal Botanic Gardens Kew (K)

[Specimen 63264.000](#)

Other herbarium specimens

Royal Botanic Gardens Kew (K)

[Specimen K000078908](#) (drawing)

[Specimen K000078907](#) (drawing)

#### Scent

Yes, a slight fragrance.

#### Flowering Season

A flowering plant has been collected in the wild during January.

#### Cultivation

I do not think this species is in cultivation

#### Similar Species

*Dendrochilum megalanthum*

*Dendrochilum gracile*

*Dendrochilum oxylobum*

#### Other Information

This species is the largest flowered *Dendrochilum* on Borneo. This species differs from the Sumatran *Dendrochilum megalanthum* by its larger flowers, rhomboid shaped mid lobe and oblong claw. This species differs from *Dendrochilum gracile* and *Dendrochilum oxylobum* by the larger flowers. The keels do not unite basally to form an M shape as they do in *Dendrochilum gracile*.

The name honours Susanne Stuart-Smith who has drawn many *Dendrochilum* species particularly for the *Dendrochilum* of Borneo publication.

[www.dendrochilum.com](http://www.dendrochilum.com)

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Reference –

WOOD, Jeffrey. *Dendrochilum of Borneo*, 2001. Natural History Publications (Borneo), Malaysia.

World Checklist of Selected Plant Families. 24 July 2009. The Board of Trustees of the Royal Botanic Gardens, Kew. Published on the Internet; <http://www.kew.org/wcsp/> accessed **24 July 2009**.