



## ***Hoya nuttiana* (Apocynaceae, Asclepiadoideae), a new species from Sarawak, Malaysian Borneo**

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### **Abstract**

A new species, *Hoya nuttiana* Rodda & Simonsson, endemic of Sarawak, Malaysia is described and illustrated. George Derby Haviland and Charles Hose first collected the species in Sarawak in 1894. More recent collections were made in 1987 and 2007. *Hoya nuttiana* can be separated from all published *Hoya* species because it is the only known species with globular inflorescences of up to 100 flowers with campanulate corollas bearing a stalked gynostegium.

### **Introduction**

The diversity of *Hoya* Brown (1810: 459) in Borneo is unknown (Forster *et al.* 1998) and apart from Merrill's (1921) checklist of Bornean plants, listing eight species, and an unpublished checklist (Nutt 2001), no regional revision has been attempted so far. Extensive fieldwork throughout Borneo will be required in preparation for a comprehensive revision. Following the approach of Rintz (1978), Forster *et al.* (1997) and Liddle & Forster (2008), sterile plants will have to be collected and brought into cultivation *ex situ*, where they will eventually flower. However, years may pass from collection to flowering, thus delaying the completion of a revision.

In the meantime, new *Hoya* species from Borneo have been identified based upon the examination of herbarium collections, which remain of major importance for species discovery (Bebber *et al.* 2010) and from cultivated plants (Rodda & Nyhuus 2009, Rodda & Simonsson 2011a,b, Rodda *et al.* 2011, Trần *et al.* 2011, Rodda & Simonsson Juhonewe 2012).

Despite the genus being revised for Peninsular Malaysia relatively recently (Rintz 1978), in 2012 a new species first collected 118 years earlier in Peninsular Malaysia, *Hoya mappigera* Rodda & Simonsson Juhonewe (2012: 338) was described. Similarly, in the present paper we document the discovery of a species first collected in 1894 in Sarawak, Malaysia by George Derby Haviland and Charles Hose (*Haviland & Hose* 8530, K). Pia Nutt (2001) suggested that the Haviland and Hose specimen may represent a new undescribed taxon, but never published it. We here confirm Nutt's identification and publish the new species as *Hoya nuttiana* Rodda & Simonsson.

### **Taxonomy**

***Hoya nuttiana*** Rodda and Simonsson, *spec. nov.* (Figs. 1 & 2).

The flowers of *H. nuttiana* can be compared to those of *Hoya devogelii* Rodda & Simonsson (2011a: 35) because both bear a pubescent campanulate corolla, a stalked gynostegium and a broad anther skirt. However, in *H. devogelii* the flowers are smaller (ca. 1 cm vs. ca. 2 cm in diam.), more numerous (4–7 vs. up to 100 flowers), and the stalked gynostegium is taller (column 2.5–3 mm vs. 1.2–1.5 mm).