

# Studies on Schismatoglottideae (Araceae) of Borneo LIX – A preliminary conspectus of *Schismatoglottis* Calyptrata Complex Clade species for Sarawak

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## ABSTRACT

A preliminary conspectus of species of the *Schismatoglottis* Calyptrata Complex Clade for Sarawak is presented. Six species are accepted, of which *Schismatoglottis baangongensis* S.Y. Wong, Y.C. Hoe & P.C.

Boyce is newly described, and *S. muluensis* M. Hotta is resurrected from within *S. calyptrata* (Roxb.) Zoll. & Moritzi. Current evidence does not support the presence of *Schismatoglottis calyptrata sens. strict.* in Sarawak, while occurrence on Borneo as a whole is

questionable. A modified description of *S. calyptrata*, excluding characteristics of Bornean taxa hitherto included in synonymy is provided. An identification key to the accepted species for Sarawak is provided, and most are illustrated from living plants.

## KEY WORDS

Geological obligation, *Schismatoglottis abmadii*, *Schismatoglottis ardenii*, *Schismatoglottis clarae*, *Schismatoglottis baangongensis*, *Schismatoglottis muluensis*, *Schismatoglottis viridissima*, Araceae

## INTRODUCTION

Monographing *Schismatoglottis* Zoll. & Moritzi, Hay & Yuzammi (2000) proposed six informal morphologically defined species' groups, of which one, the Calyptrata Group, is delimited by most species (but see below) having hypogean hapaxanthic shoot modules (Hay 1996: 2 *et seq.*; Hay & Yuzammi 2000: 9), with all species possessing a fully attached persistent petiolar sheath, and a caducous spathe limb.

Hay & Yuzammi (2000) treated *Schismatoglottis calyptrata* (Roxb.) Zoll. & Moritzi (the generic Type species) as a widespread polymorphic taxon occurring throughout the range of the genus (i.e., SW China to Vanuatu), treating plants from Peninsular Malaysia, Jawa, and New Guinea as a morphologically highly variable species. For Sumatera and Borneo, however, the existence of localized, often geologically or ecologically restricted, morphologically

discrete segregate species was acknowledged, as below:

### Sumatera

*Schismatoglottis ecaudata* A. Hay

### Borneo – widespread

*Schismatoglottis abmadii* A. Hay (rheophytic)

*S. trivittata* Hallier f. – a species complex.

### Borneo – Sarawak

*Schismatoglottis clarae* A. Hay

*S. viridissima* A. Hay (granites)

### Borneo – Kalimantan

*Schismatoglottis canaliculata* Engl.

*S. emarginata* Engl.†

*S. grabowskii* Engl. (ultramafics)

*S. maculata* Alderw. †

*S. modesta* Schott.

*S. niewenbuisii* Engl.†

*S. pumila* Hallier f. ex Engl.

*S. venusta* A. Hay (limestone)