

## Studies on *Schismatoglottideae* (*Araceae*) of Borneo LI: *Ooia* revised, including a reconsideration of *Ooia grabowskii*

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Recollection of *Ooia grabowskii* at the Type locality in Kalimantan Selatan, Indonesian Borneo, has revealed the name to have been comprehensively misapplied to five taxonomically new Bornean *Ooia* species, here described as: *Ooia altar* S. Y. Wong & P. C. Boyce, sp. nov., *O. basalticola* S. Y. Wong & P. C. Boyce, sp. nov., *O. glans* S. Y. Wong & P. C. Boyce, sp. nov., *O. secta* S. Y. Wong & P. C. Boyce, sp. nov., and *O. suavis* S. Y. Wong & P. C. Boyce, sp. nov. *Ooia grabowskii* is endemic to the southern portion of the Meratus Mountains, Kalimantan Selatan. Clarification of *O. grabowskii* additionally reveals that *Rhynchopyle havilandii* Engl. [ $\equiv$  *Piptospatha havilandii* (Engl.) Engl.; *Schismatoglottis havilandii* (Engl.) M. Hotta], until now treated as a heterotypic synonym of *O. grabowskii*, to be a distinct species of *Ooia*: the combination *Ooia havilandii* (Engl.) S. Y. Wong & P. C. Boyce, comb. nov. is made. Newly observed spathe senescence mechanics of *O. grabowskii* and *O. basalticola* are strikingly in agreement with those of *Piptospatha manduensis* Bogner & A. Hay. Combined with the highly atypical (for *Piptospatha*) fragrant inflorescences, pubescent staminate flowers, and deciduous non-pistillate flowers, and typical (for *Ooia*) creeping/rooting stems and pendulous infructescences occurring in *P. manduensis* prompts removal of *P. manduensis* from *Piptospatha* and incorporation into *Ooia* – the combination *Ooia manduensis* (Bogner & A. Hay) S. Y. Wong & P. C. Boyce, comb. nov. is made. These novelties and transfers, taken together with pre-existing species, brings *Ooia* to 10 species. All species are illustrated from living plants, with *Ooia grabowskii* additionally figured from the Berlin Holotype, and from Engler's *Araceae Exsiccatae et Illustratae* No. 196. An identification key to all described *Ooia* species is provided.

**Key words:** Brunei, geological obligation, Kalimantan, rheophytes, Sabah, Sarawak.

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*Ooia* S. Y. Wong & P. C. Boyce (Boyce and Wong 2013, 2015, Boyce et al. 2010, Wong and Boyce 2010, 2013) is monophyletic, defined by a persistent spadix axis, deciduous flowers, with pistillate flowers inserted on a conspicuous cushion (Fig. 7H), a spathe completely persistent

to persistent more than half its length, with the persistent portion ovoid-subcylindric to fusiform-funnel-form, and never flaring, and (in most species) production of copious plantlets from the finer roots. All but three species have pendulous infructescences.