



Citation: Wong Sin Yeng, Peter C. Boyce, Hoe Yin Chen (2021) Studies on Schismatoglottideae (Araceae) of Peninsular Malaysia III: New species for the *Schismatoglottis* Calyptrata Clade. *Webbia. Journal of Plant Taxonomy and Geography* 76(2): 105-119. doi: 10.36253/jopt-11285

Received: June 2, 2021

Accepted: June 24, 2021

Published: Month xx, Year

Copyright: ©2021 Wong Sin Yeng, Peter C. Boyce, Hoe Yin Chen. This is an open access, peer-reviewed article published by Firenze University Press (<http://www.fupress.com/webbia>) and distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

Data Availability Statement: All relevant data are within the paper and its Supporting Information files.

Competing Interests: The Author(s) declare(s) no conflict of interest.

Editor: Alistair Hay

ORCID

WSY: <https://orcid.org/0000-0003-4042-9672>

PCB: <https://orcid.org/0000-0002-5856-9561>

HYC: <https://orcid.org/0000-0001-9123-9751>

Studies on Schismatoglottideae (Araceae) of Peninsular Malaysia III: New species for the *Schismatoglottis* Calyptrata Clade

WONG SIN YENG^{1,2,3,*}, PETER C. BOYCE³, HOE YIN CHEN⁴

¹ Institute of Biodiversity and Environmental Conservation, Universiti Malaysia Sarawak, 94300 Kota Samarahan, Sarawak, Malaysia

² Harvard University Herbaria, 22 Divinity Avenue, Cambridge, MA 02138, USA

³ Department Biologie I, Systematische Botanik und Mykologie, Ludwig-Maximilians-Universität München, München, Germany

⁴ Tunku Abdul Rahman University College, Johor Branch Campus, Johor, Malaysia

*Corresponding author. E-mail: sywong@unimas.my

Abstract. Three new colonial species of *Schismatoglottis* Calyptrata clade are described from Peninsular Malaysia and compared with the four already known morphologically similar species described from there. All seven species are illustrated from living plants and an identification key is provided.

Keywords: Araceae, *Schismatoglottis*, Calyptrata clade, Peninsular Malaysia.

INTRODUCTION

With the exclusion of *Schismatoglottis calyptrata* (Roxb.) Zol. & Moritz (sensu Hay 1996; Hay in Hay and Yuzammi 2000) from the flora of Peninsular Malaysia (Wong et al. 2018; Wong and Boyce 2020) the *Schismatoglottis* Calyptrata Clade (Wong et al. 2016, 2018) is currently represented in the Malay Peninsula by four described species: *Schismatoglottis cordifolia* Ridl. (Ridley 1911: 112; Figures 1 and 10B), *S. guabatuensis* S.Y.Wong & P.C.Boyce (Wong and Boyce 2020: 1; Figure 10C), *S. lowiae* S.Y.Wong & P.C.Boyce (Wong and Boyce 2017: 31; Figures 2 and 10E), and *S. wallichii* Hook.f. (Hooker 1893: 537; Figs. 3 and 10G). During pollination biology studies by the third author (Hoe and Wong 2016; Hoe et al. 2018, 2020; Wong et al. 2016) it became evident that several populations encountered did not correspond to any of these four species, nor did they match any described species from Sumatera or further east. In conclusion we consider these populations to represent undescribed species and here describe three novel Peninsular Malaysian species belonging in the Calyptrata clade. Geology in this paper is specified based on Tate et al. (2008).