



HEART OF BORNEO SERIES 5
PROCEEDINGS OF
HEART OF BORNEO
SEMINAR
TAMU ABU



Heat of Borneo Series 5

PROCEEDINGS OF SEMINAR

TAMA ABU

FOREST DEPARTMENT SARAWAK

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PREFACE

This Proceedings gives us a glimpse on the findings of the Scientific Expedition to Tama Abu PF made in 2017 which was organized by the Forest Department of Sarawak.

This book is the fifth in a Heart of Borneo Series publication under the Heart of Borneo Project Initiative for Sarawak. It highlights part of the findings of the 2017 expedition that presented during the Heart of Borneo Seminar 2018.

A total of twenty-one papers, that includes flora (11), fauna (9) and one paper each on microbial and geological that part of the findings of the expedition were presenting in this Seminar Proceedings book. While others findings will be include in the pictorial coffee-table book (Heart of Borneo Series 7).

EDITORS

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STUDY ON THE FRUIT MORPHOLOGY OF *MAPANIA* SPECIES (CYPERACEAE) EASTERN NORTH OF SARAWAK

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Abstract

The study of fruit morphology of *Mapania* species from Eastern North of Sarawak is presented in this paper. The samples were collected from various localities in the Eastern North of Sarawak, includes Lambir Hills National Park (LHNP), Bukit Sembilang Nature Reserve (BSNR), Ulu Mentawai, Mulu National Park (UMNP), Long Banga (LB) and Tama Abu Production Forest (TAPF). Matured fruits were obtained by dissecting the spike. Morphological characteristics were observed use USB Portable Microscopes (500x) and parameters were measured use digital caliper. The morphological characteristics were compared and analyzed. Fruits of *M. medlensis* were the biggest (9 mm long, 4.25 mm diam.) and the smallest fruit was *M. debilis* (2.45 mm long, 1.5 mm diam.). Overall the fruit morphological was very useful to differentiate the species level particularly the sizes, exocarp appearance and the present of costae.

Keywords: fruit of *Mapania*, *Mapania*, Cyperaceae, Eastern North Sarawak