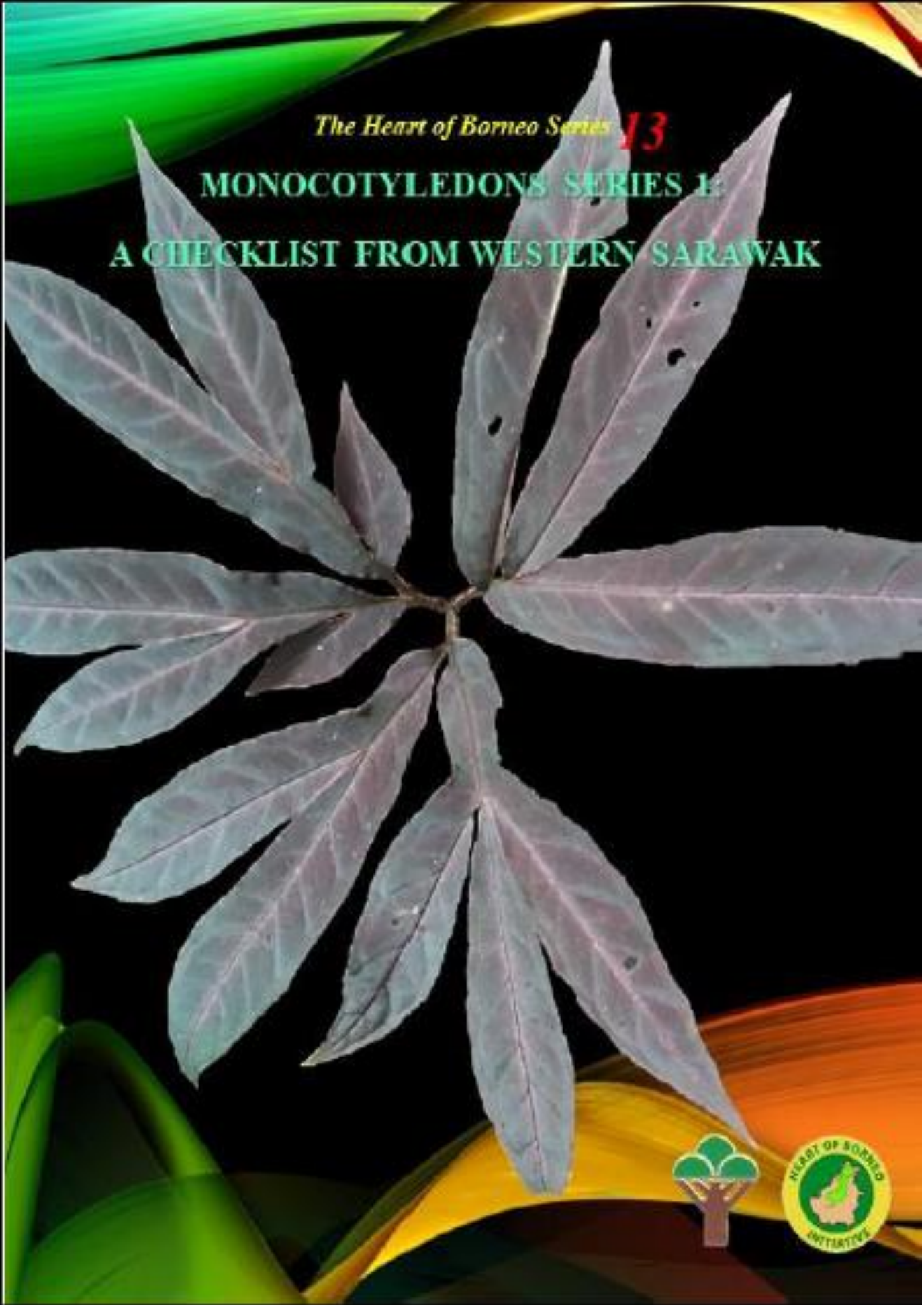


The Heart of Borneo Series **13**

MONOCOTYLEDONS SERIES 1:

A CHECKLIST FROM WESTERN SARAWAK



The Heart of Borneo Series 13

**MONOCOTYLEDONS SERIES 1: A CHECKLIST FROM
WESTERN SARAWAK**

FOREST DEPARTMENT SARAWAK



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FOREWARD

Bismillahirrahmannirrahim....

This publication will be the first series of books under the Sarawak's Monocotyledon Plant Series, entitled "*The Heart of Borneo Series 13: Monocotyledon Series 1 – A Checklist From Western Sarawak*". This first-ever book documented the checklist of monocotyledon plants based on a series of field expeditions that covers almost one-third of area in Sarawak. I believe this is an excellent start to showcase the flora diversity of Sarawak and look forward to more documentation on the diversity of monocotyledons flora in Sarawak.

A total of 35 families, 242 genera, and 880 species of monocotyledons plants have been documented in this book. It's showed a great diversity of monocotyledon species. As many localities are yet to be surveyed and many specimens are still at the verification stage, I am sure that the numbers of monocotyledon recorded in Sarawak will surely be increasing.

I would like to congratulate the leader of this project, Forest Department Sarawak staff and editors, for their effort and compilation of valuable information in this published checklist.

A handwritten signature in blue ink, appearing to read 'Hamden Bin Haji Mohammad'.

YBhg Datu Hamden Bin Haji Mohammad
Director of Forests
SARAWAK

PREFACE

This is the first book in The Sarawak's Monocotyledon Plant Series publication under the Monocotyledon Plant Project. The checklist of plants, specifically on the Monocotyledon group, is the first-ever published based on the records from Sarawak Permanent Forest Estates (PFE that includes Totally Protected Areas (TPAs), Communal Forests (CF), as well as the Sarawak's Heart of Borneo project areas). It covers all the monocotyledon families recorded and reported from the western part of Sarawak, namely Kelingkang Range Forest, Sabal Forest Reserve, Gunung Apeng National Park, Bungo Range National Park, Dered Krian National Park, Sampadi Forest Reserve, Pueh Range, Samunsam Wildlife Sanctuary, Tanjung Datu National Park, Kubah National Park, Santubong National Park and Bako National Park.

*A total of 35 families, 242 genera and 880 species (including exotic species) have been recorded in this book. The family Orchidaceae, Arecaceae, Araceae, Zingiberaceae and Cyperaceae dominated and covering more than half of the names listed. The genera *Bulbophyllum*, *Dendrobium* and *Calamus* are the three most specious genus with 65, 47 and 34 species.*

This is our first attempt in documenting the Monocotyledons plants in Sarawak, and this checklist is beyond complete. As many areas are yet to be surveyed and documenting works are ongoing, the species list is expected to be increased.

Editors.

ACKNOWLEDGEMENT

We gratefully thanks the Kementerian Tenaga dan Sumber Asli (KeTSA) for funding this project, "Documentation of Monocotyledons Plants, and its Ethnobotanical uses in Heart of Borneo Initiative for Sarawak" under the RMK12 (P23 - 09900 022 00010 505 20). Thanks to Datu Hamden Bin Haji Mohamed, Sarawak Forest Department Director and Jack Liam Deputy Director of Sarawak Forest Department, for their encouragement and support. Thanks also to Universiti Malaysia Sarawak (UNIMAS) for providing the necessary facilities.

Special thanks to Hajah Mohizah Bt Mohamad, Noorhana Bt Sepawi, Nursafinas Bt Jelani and staff of Research, Development and Innovation Division (RDID) for their assistance and support during the works in the Sarawak Forest Department Herbarium (SAR). Also, to our botanical field collections members, Yazid B Kalbi, Haji Yahud B wat, Sekudan Ak Tedong and Mohd Akmal B Mohd Raffi.

Our appreciation is also due to the local peoples of Kampung Pueh, Kampung Sabal Keruing, Kampung Tringgus, Kampung Pichin, Kampung Biawak and other villages within and peripheral of the Heart of Borneo areas (Western Sarawak).

Photos Credit

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REMINDER

TRADITIONAL KNOWLEDGE AS INTELLECTUAL PROPERTY

The ethnobotanical information documented in this book was provided by the said communities. It is traditional knowledge and the intellectual property of the said communities.

The Convention on Biological Diversity, agreed in 1992 and signed by Malaysia, seeks to promote biodiversity conservation and the equitable sharing of benefits arising out of the utilization of genetic resources. Article 15 of the Convention on Biological Diversity notes that access to genetic resources should be on the basis of prior informed consent and on mutually agreed terms that provide fair and equitable sharing of the results of research and development and the benefits of commercialization and utilization. It also calls for the fair and equitable sharing of the benefits derived from the use of traditional knowledge. The Sarawak Biodiversity Centre (Amendment) Ordinance 2018 also relates to research on State's biodiversity (traditional knowledge and pharmaceutical).

Organizations or persons looking for access to genetic resources of the species documented herein as having ethnobotanical uses would need to take due understanding of the requirements of the Convention on Biological Diversity and the Sarawak Biodiversity Centre Ordinance.

The Sarawak's Monocotyledon Plant Series



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