



COMPREHENSIVE DOCUMENTATION OF MALAY TRADITIONAL KNOWLEDGE ON MEDICINAL PLANTS IN PENINSULAR MALAYSIA (PHASE 3)

MR Nurshahidah, M Nik Musa'adah, MY Norbaiah, MS Md Azharulzaman, M Dionysia¹, MS Abdul Hayat, MN Madihah, J Fadzureena, AL Tan, B Intan Nuruhani, K Firdaus, S Rohana & H Norini
Forest Research Institute Malaysia (FRIM), 52109 Kepong, Selangor Darul Ehsan,
¹ Forestry Department of Peninsular Malaysia, Jalan Sultan Salahuddin, 50660 Kuala Lumpur
*E-mail: musaadah@frim.gov.my

INTRODUCTION

TRADITIONAL MALAY MEDICINE

Field of knowledge that has been very important for health care since ancient times, which includes medicine and treatment of diseases, preparation of materials, and cultivation of plants for medicinal use. The documentation efforts of Malay traditional knowledge by Malay traditional practitioner (MTP) related to medicinal plants in Peninsular Malaysia continue under the Phase 3 (February 2020-April 2022) project to ensure its continuity efforts which began since Phase 1(2013-2016) and Phase 2 (2016- 2019).

OBJECTIVES

- ✓ To add or enrich the collection of medicinal plant specimens and germplasm in traditional Malay medicine.
- ✓ To publish one book on Malay Traditional Knowledge (TK).

MATERIAL AND METHODS

Prior Inform Consent (PIC) 1
Census of MTP in Peninsular Malaysia

PIC2
Survey on selected MTP
(358 practitioners)

PIC 3
Field collection
(47 practitioners)

Preparation of herbarium specimen

Identification of plant species
by botanists

Documentation of Malay TK
•Book
•Database

RESULTS AND DISCUSSION

SAMPLES COLLECTIONS

- ✓ 9 Malay traditional practitioners identified (Table 1)
- ✓ 219 herbarium specimens were prepared (Table 1)
- ✓ 131 plant species were identified
- ✓ 162 plant individuals were collected as germplasm, planted and preserve at the Ethnobotanical Garden, FRIM

Table 1.
Distribution of the practitioner involved by state in Phase 3

State	Number of practitioners	Num. of plant samples
Pahang	1	21
Johor	2	30
Terengganu	2	58
Perak	4	110
TOTAL	9	219



Misai Ali



Garuda

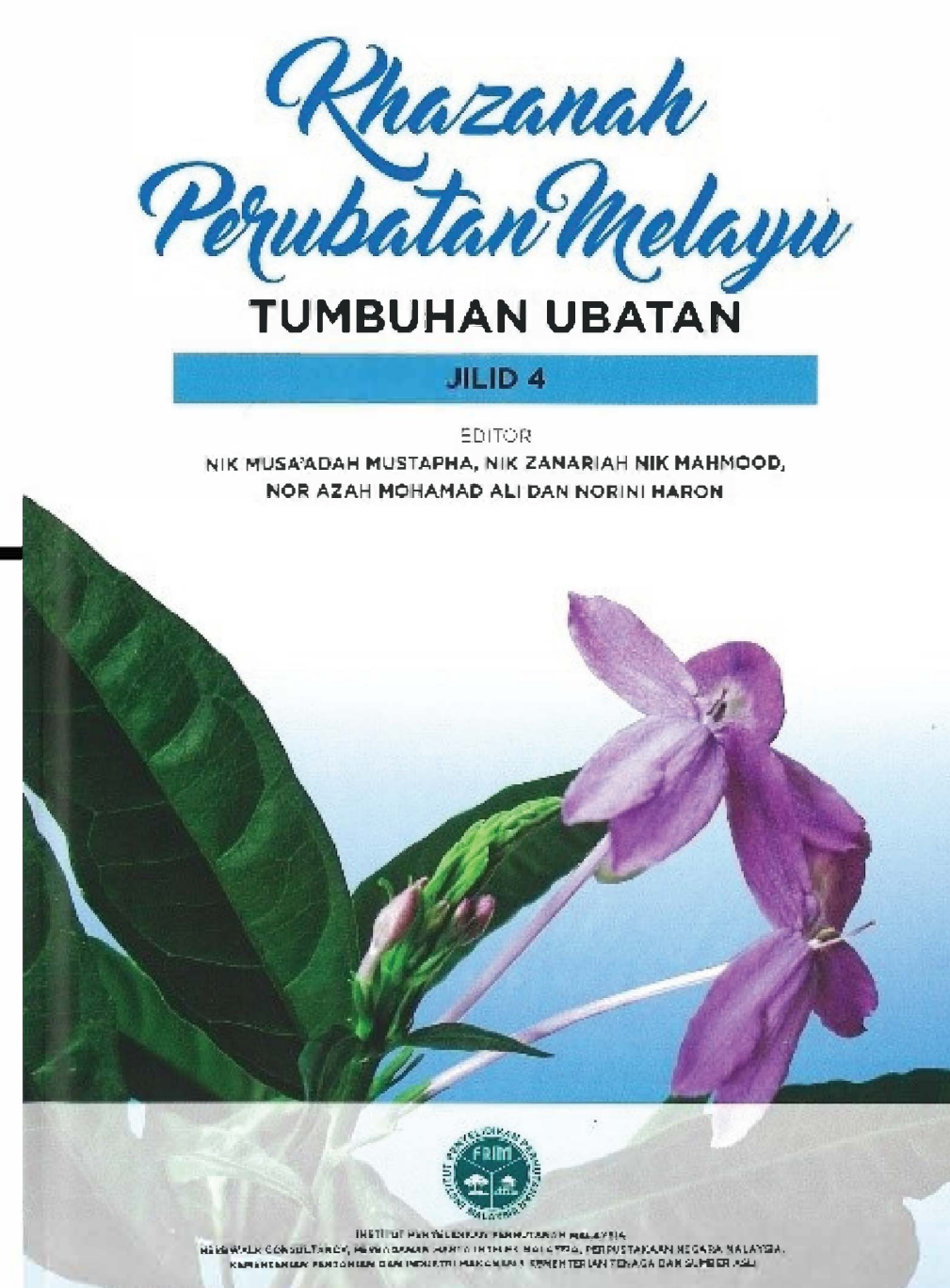


Sepelas minyak

Some of the medicinal plants collected in Phase 3

DOCUMENTATIONS AND PUBLICATIONS

- ✓ Book 'Khazanah Perubatan Melayu: Tumbuhan Ubatan Volume 4'
- ✓ Data and information uploaded in 2 databases - Botanical Research and Herbarium Management System (BRAHMS) and Malaysia Traditional Knowledge Digital Library (MyTKDL)



ACCESS AND BENEFIT-SHARING

- ✓ An outreach program with 1 traditional practitioner and his 8 apprentices in Kuala Kangsar, Perak, was conducted to give exposure on methods of documenting medicinal plants scientifically.



AWARDS/RECOGNITION

- ✓ MALAYSIA BOOK OF RECORDS for having the most number of Malay traditional practitioners interviewed for Malay traditional knowledge on medicinal plants : 2934 Malay traditional practitioners



CONCLUSION

Even during the unprecedented COVID-19 pandemic which requiring the practice of new norms, the main objective of the Phase 3 Project in the period from February 2020 to April 2022 is still achievable. This documentation effort not only further supports the objectives of the Convention on Biological Diversity (CBD 1993) and demonstrates the country's continuous commitment to the CBD and the Protocol Nagoya, but also supports the National Biodiversity Policy and Act 795. The project also supports the Ministry of Health initiatives towards empowering traditional and complementary medicine in Malaysia.