

A PRELIMINARY SURVEY OF THE COMMERCIAL TREES OF TAWAU HILLS PARK, SABAH

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ABSTRACT

A six-day preliminary survey on the commercial trees of Tawau Hills Park were conducted. Commercial trees of significant size were recorded and fertile specimens collected. The commercial trees were divided into the Dipterocarpaceae and non-Dipterocarpaceae. The encountered species were then listed according to their habitat of occurrence, namely, riverine, hill slopes and ridge-tops. A total of 24 species of Dipterocarpaceae and 31 species of non-Dipterocarpaceae was recorded.

INTRODUCTION

A preliminary survey of the timber-producing trees (referred to as commercial trees throughout this paper) in Tawau Hills Park was conducted during a six-day expedition. This paper is a listing of the commercial trees encountered during this expedition. All commercial trees of significant size were recorded and collected wherever fertile specimen were available. The commercial trees are divided into two groups, namely:

- A. DIPTEROCARPACEAE - resin producing timber trees;
- B. NON-DIPTEROCARPACEAE - timber trees not producing resin.

For the purpose of the species listing in this paper, their habitats are categorized into three main ecological types, namely: i. Riverine habitat; ii. Hill slopes and iii. Ridge-tops.

RIVERINE HABITAT

A. DIPTEROCARPACEAE

BOTANICAL NAME	VERNACULAR NAME
<i>Parashorea tomentella</i>	Urat mata beludu
<i>Shorea macrophylla</i>	Kawang jantung
<i>Shorea johorensis</i>	Seraya majau
<i>Shorea hypoleuca</i>	Selngan batu kelabu
<i>Shorea pauciflora</i>	Obah suluk
<i>Shorea beccariana</i>	Seraya langgai
<i>Shorea ovalis</i>	Seraya kepong

Shorea leprosula Seraya tembaga

B. NON-DIPTEROCARPACEAE

BOTANICAL NAME	FAMILY	VERNACULAR NAME
<i>Eugenia sp.</i>	Myrtaceae	Obah
<i>Diospyros sp.</i>	Ebenaceae	Kayu malam
<i>Ochanostachys amentaceae</i>	Olacaceae	Tangal
<i>Eusideroxylon zwageri</i>	Lauraceae	Belian
<i>Saraca declinata</i>	Fabaceae	Gapis
<i>Knema sp.</i>	Myristicaceae	Darah-darah
<i>Planchonia sp.</i>	Lecythidaceae	Putat
<i>Mesua sp.</i>	Clusiaceae (Incl. Guttiferae)	Bintangor batu
<i>Aleurites triloba</i>	Euphorbiaceae	Marampangi

HILL SLOPES

This habitat type is generally dominated by the Dipterocarpaceae.

A. DIPTEROCARPACEAE

BOTANICAL NAME	VERNACULAR NAME
<i>Shorea seminis</i>	Selangan batu terandak
<i>Shorea argenteifolia</i>	Seraya daun mas
<i>Shorea parvifolia</i>	Seraya punai
<i>Shorea macroptera</i>	Seraya merantai
<i>Parashorea malaanonan</i>	Urat mata daun licin
<i>Hopea nervosa</i>	Selangan jangkang
<i>Anisoptera costata</i>	Pengiran kesat
<i>Shorea flaviflora</i>	Seraya daun besa

B. NON-DIPTEROCARPACEAE

BOTANICAL NAME	FAMILY	VERNACULAR NAME
<i>Eusideroxylon zwageri</i>	Lauraceae	Belian
<i>Castanopsis sp.</i>	Fagaceae	Berangan
<i>Canarium caudatum</i>	Burseraceae	Kedondong

RIDGE-TOPS

A. DIPTEROCARPACEAE

BOTANICAL NAME	VERNACULAR NAME
<i>Shorea xanthophylla</i>	Seraya kuning barum
<i>Shorea macroptera</i>	Seraya merantai
<i>Dipterocarpus stellatus</i>	Keruing bulu
<i>Shorea beccariana</i>	Seraya langgai
<i>Shorea leptoderma</i>	Selangan batu biabas
<i>Shorea rubra</i>	Selangan bingkai
<i>Dipterocarpus kerii</i>	Keruing gondol
<i>Hopea nervosa</i>	Selangan jangkang

B. NON-DIPTEROCARPACEAE

BOTANICAL NAME	FAMILY	VERNACULAR NAME
<i>Sindora irpicina</i>	Fabaceae	Sepetir
<i>Canarium sp.</i>	Burseraceae	Kedondong
<i>Calophyllum cf. gracilipes</i>	Clusiaceae (Incl. Guttiferae)	Bintangor
<i>Agathis dammara</i>	Araucariaceae	Agatis
<i>Mangifera macrophylla</i>	Anacardiaceae	
<i>Mangifera microphylla</i>	Anacardiaceae	
<i>Mangifera foetida</i>	Anacardiaceae	
<i>Mangifera panjang</i>	Anacardiaceae	Bambangan
<i>Ostodes pendula</i>	Euphorbiaceae	
<i>Quercus sp.</i>	Fagaceae	
<i>Lithocarpus sp.</i>	Fagaceae	
<i>Palaquium sp.</i>	Sapotaceae	Nyatoh
<i>Chisocheton sp.</i>	Meliaceae	
<i>Aglaia sp.</i>	Meliaceae	
<i>Irvingia malayana</i>	Simaroubaceae	Pauh kijang

CONCLUSION

During the expedition, the commercial trees in Tawau Hills Park were not in flower, except for *Dipterocarpus kerii* (Keruing gondol) which was observed fruiting. Altogether, the commercial trees encountered during this expedition consisted of 24 species of Dipterocarpaceae and 31 species of non-Dipterocarpaceae.

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