

**THE DISTRIBUTION OF DIPTEROCARPACEAE FAMILY
IN UiTM JENGA FOREST RESERVE
(BASE LINE 1: LINE 3)**

By
REIMI ASRAF BIN RAWI

**Final Project Submitted in Partial Fulfilment for the Diploma in Wood Industry
Faculty of Applied Science
Mara University of Technology
Pahang Branch**

2004

ACKNOWLEDGMENT

First of all, I would like to take this impunity to express my special thanks to Allah SWT for his blessing and strength rendered to me to complete my final project, title The Distribution of Dipterocarps species in UiTM Jengka Forest Reserves.

I would like to offer my special thanks to my supervisor for the project, Miss Mazlin binti Kusin for helping me at every phase of the study. Not forgot to Prof. Madya. Abdul Jalil Ahmad who is also helping me to find the information and resources for my project paper. I would like to express my most sincere thanks to him.

I also like to thanks to all my friends especially to my group members (Rozaimi, Hasan, Tony Balit, Mohammad Shahman, Rony and Arbain) because helping me and for theirs continuous support.

These thanks is also to extend my appreciation to those who are involved either directly or indirectly for completing this project paper. I believed without their helps I would not be able to complete this final project.

TABLE OF CONTENTS

CONTENT	PAGE
APPROVAL SHEET.....	ii
DEDICATION.....	iii
ACKNOWLEDGEMENT	iv
LIST OF TABLES.....	vii
LIST OF FIGURES.....	viii
ABSTRACT.....	ix
ABSTRAK.....	x

CHAPTER

1 INTRODUCTION

1.1	General.....	1
1.2	Justification.....	2
1.3	Objectives.....	3

2 LITERATURE REVIEW

2.1	Dipterocarpaceae Family.....	4
2.3	Field Observation of Dipterocarps.....	8
	2.2.1 General Consideration.....	8
	2.2.2 Specific Characteristic.....	9
2.3	Ecological Distribution of the Dipterocarps in Malay Peninsula....	15
	2.3.1 The Lowland Dipterocarps Forest.....	15
	2.3.2 The Hill Dipterocarp Forest.....	16
	2.3.3 The Upper Dipterocarps Forest.....	18

2.3.4	The Montane Oak Forest.....	19
2.3.5	The Montane Ericaceous Forest.....	19
2.4	Pahang Virgin Jungle Reserve (VJR).....	20
2.4.1	UiTM Jengka Forest Reserve.....	21
3	MATERIAL AND METHODS	
3.1	Study Site.....	23
3.2	Methods of Study.....	25
4	RESULT AND DISCUSSION	
4.1	Number of Dipterocarps Species in Study Plot.....	28
4.2	Distribution of Dipterocarps Species in Study Plot.....	32
5	CONCLUSION.....	34
BIBLIOGRAPHY.....		35
VITA.....		36

**THE DISTRIBUTION OF DIPTEROCARPACEAE FAMILY IN UiTM JENGKA
FOREST RESERVE (BASE LINE 1: LINE 3)**

By

Reimi Asraf Bin Rawi

MARCH 2004

The research was done to study the distribution of Dipterocarpaceae family in UiTM Jengka Forest Reserve (UiTM). The study plot is 20m x 500m along the line 3. In this study, the distribution of dipterocarp species in UiTM JFR was distributed randomly in study plot mainly at hilly area (slopes-10⁰). A total of six species of 47 individuals' dipterocarps species was identified and recorded in this study plot. There were Keruing (*Dipterocarpus spp*), Meranti Tembaga (*Shorea leprosula*), Meranti Melantai (*S.macroptera*), Meranti Kepong (*S.ovalis*), Meranti (*Shorea spp*) and Balau Kumus (*S.laevis*) with 11, 14, 10, and 12 individuals respectively.