

**THE DISTRIBUTION OF DIPTEROCARPACEAE FAMILY IN UiTM JENGA
FOREST RESERVE (UiTMJFR) BASE LINE 1: LINE 5**

TONY BALIT ANAK BONIFACE SEGUNGANG

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

March 2004

ACKNOWLEDGEMENT

First of all, I would like to take this opportunity to express my special thanks to GOD for His blessing and spirit render to me for complete my final project entitle “The Distribution of Dipterocarpaceae Family in UiTM Jengka Forest Reserve Base (UiTMJFR) Line 1: Line 5

In this side I would like to give my special thanks to my beloved family for their help and support to me in finished this studied. I also would like to express my deepest appreciation sincere gratitude to my advisor Miss Mazlin for her encouragement and guidance in designing and implementing this project.

Sincere thanks are also due to Roney, Mohamad Syahman, Reimi, Rozaimi and Arbain who help me to did the study. Also thanks to MR Wan Mohd Nazri program head of Diploma in Wood Industry (DIP), Professor Madya Abdul Jalil and all DIP lecture for their help and guide. Lastly, thanks also to all my friends and my loves for their support and help.

Thanks.

TABLE OF CONTENTS

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

CHAPTER

1 INTRODUCTION

1.1 General	1
1.2 Justification	2
1.3 Objectives	3

2 LITERATURE REVIEW

2.1 Dipterocarpaceae Family	4
2.2 Field Observation of Dipterocarps	5
2.3 Ecological Distribution of the Dipterocarps in Malay Peninsula	8
2.3.1 The Lowland Dipterocarp-forests	9
2.3.2 The Hill Dipterocarp-forests	10
2.3.3 The Upper Dipterocarp-forests	12
2.4 Diameter breast height	15
2.5 Jengka Forest Reserve	19

3	MATERIALS AND METHODS	
3.1	Study Area	22
3.2	Method of Study	22
4	RESULTS AND DISCUSSION	
4.1	Number of Dipterocarps Species	25
4.2	Distribution of Dipterocarps Species	27
5	CONCLUSION	30
	BIBLIOGRAPHY	31
	APPENDICES	32
	VITA	35

**THE DISTRIBUTION OF DIPTEROCARPACEAE FAMILY IN UiTM JENGA
FOREST RESERVE (UiTMJFR) BASE LINE 1: LINE 5**

By

TONY BALIT ANAK BONIFACE

MARCH 2004

The research was done to study the distribution of Dipterocarpaceae family in UiTM Jengka Forest Reserve (UiTM JFR). The study plot is about 20 m x 500 m in Base Line 1: Line 5. A total of six species was recorded, namely meranti kepong (*Shorea ovalis*), meranti melantai (*Shorea macroptera*), meranti pa'ang (*Shorea bracteolata*), meranti tembaga (*Shorea leprosula*), keruing mempelas (*Dipterocarpus crinitus*) and keruing (*Dipterocarpus species*) with 6, 16, 4, 2, 15 and 35 individuals respectively. The DBH between 15 and 29 cm represent 32 individuals which is the dominant DBH in my studied plot. In this study, the Light Red Meranti represent two species, meranti kepong and meranti tembaga and only species for white meranti.