

**STAND STRUCTURE AND TREE SPECIES COMPOSITION OF UiTM
JENGKA FOREST RESERVES BETWEEN LINE 8 AND LINE 9**

By

**AHMAD KHAIRUL BIN MD NOR
MOHD FADZIL BIN MD NOR**

Final Project Submitted in Partial Fulfillment for Diploma in Wood Industry

Faculty of Applied Sciences, Universiti Teknologi MARA, Pahang

APRIL 2009

ACKNOWLEDGEMENT

Alhamdulillah, for the first of all I would like to thanks almighty Allah S.W.T for his blessing to the success of completing the final project paper.

We also want to express my special thank to our advisor Miss Mazlin binti Hj. Kusin of her willingness to contribute her knowledge, time and effort till we complete this final project paper.

Thank also to our respectful lecturer especially to Prof. Madya Abdul Jalil bin Ahmad because give us guideline how to make the good thesis.

Thank you to the staff of DIP in Wood Industry Workshop, Mr. Anuar and Mr. Khairil for their priceless help till we complete this final project paper.

Also special thanks to my entire beloved friends especially for my parents and housemates for their everlasting support, commitment co-operation during the implementation of this project. Without support from them maybe it is difficult for me to finish this project and report successfully.

Finally, for any individual who has involved directly and indirectly with this project, may Allah bless us. Thank you.

TABLE OF CONTENT

CONTENT	PAGES
APPROVAL SHEET.....	i
DEDICATION.....	ii
ACKNOWLEDGEMENT.....	iii
LIST OF TABLES.....	iv
LIST OF FIGURE.....	vii
LIST OF ABBREVIATIONS.....	viii
LIST OF APPENDICES.....	ix
ABSTRAK.....	x
ABSTRACT.....	xi

CHAPTER

I INTRODUCTION

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

II LITERATURE REVIEW

2.1 Malaya Forest.....	4
------------------------	---

2.2	Lowland Dipterocarp Forests.....	4
2.3	Pahang Virgin Jungle Reserve (VJR).....	6
2.4	UiTM Jengka Forest Reserve.....	6
2.5	Stand Structure.....	7
2.6	Simpson's Diversity Index.....	9
2.6.1	Overview.....	9
III	MATERIALS AND METHODS	
3.1	Study side.....	11
3.2	Methods of study.....	12
3.3	Materials	14
3.3.1	Measurement Diameter of Tree.....	15
3.3.2	Identification on The Species.....	15
IV	RESULTS AND DISCUSSIONS	
4.1	Summary of study.....	16
4.2	Relative frequency.....	23
4.3	Species Composition.....	26
V	CONCLUSIONS AND RECOMMENDATIONS	
5.1	Conclusion And Recommendations.....	34
BIBLIOGRAPHY.....		35
APPENDICES.....		36
VITA.....		45

**STAND STRUCTURE TREE SPECIES COMPOSITION OF UiTM JENGKA
FOREST RESERVES BETWEEN LINE 8 AND LINE 9**

By:

AHMAD KHAIRUL BIN MD NOR

MOHD FADZIL BIN MD NOR

APRIL 2009

ABSTRACT

This research had been carried out at UiTM Jengka Forest Reserve which also one of the forests reserves in Pahang state which covered 250 acres. This research had been recorded the stand structure and tree species composition that can see between line 8 and line 9. We can find 187 species in this line with average mean diameter breast height is 12 cm. There are about 26 trees family and the most dominant genus is Euphorbiaceae. Kedondong (*Santiria spp*) become the dominant species which grow in this place which approximately 29 tree followed by meranti (*Shorea spp*) which are 19 respectively. Base on the research we can say that this forest has the potential to commercialize in the future due to small trees are growing healthier in these places.