

PROPERTIES OF MDF FROM FIBER MIXTURE OF OIL PALM EMPTY FRUIT  
BUNCHES AND RUBBERWOOD

By

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'mess with da best, die to da rest'

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Medium density fiberboards were made from fiber mixture of oil palm empty fruit bunches and rubberwood. Analysis of variance was used to analyze the effect of species mixture on strength and dimensional stability of MDF samples. Seven mixtures, i.e. 0, 10, 30, 50, 70, 90 and 100% oil palm empty fruit bunches fibers (EFB) were used. The results indicated that modulus of rupture (MOR) increased with decrease in rubberwood/ EFB ratio while modulus of elasticity (MOE) decrease in the same treatment. The internal bond (IB) also decreased as the rubberwood/ EFB ratio was lowered. The properties of MDF admixtures containing EFB and rubberwood fibers could be enhanced by increasing the proportion of rubberwood fibers where a minimum of 50% rubberwood fibers gave acceptable strength properties.

## TABLE OF CONTENTS

TITLE	Page
PROJECT TITLE.....	i
APPROVAL SHEET.....	ii
ACKNOWLEDGEMENTS.....	iv
ABSTRACT.....	v
ABSTRAK.....	vi
LIST OF TABLES.....	ix
LIST OF FIGURES.....	x
LIST OF PLATES.....	xi
CHAPTER	
I INTRODUCTION.....	1
1.1 Justification.....	2
1.2 Objective.....	3
II LITERATURE REVIEW.....	4
2.1 Use of EFB in manufacture of MDF.....	4
2.2 The importance of rubberwood in manufacture of MDF...	7
III METHODOLOGY.....	10
3.1 Raw material.....	10
3.2 Fiber preparation.....	10
3.5.1 Chipping.....	10
3.5.2 Fiber preparation.....	11
3.5.3 Refining.....	12
3.3 Glue blending.....	13
3.4 Fiber mixing.....	16
3.5 Forming.....	16
3.6 Cold pressing.....	17
3.7 Hot pressing.....	17
3.8 Trimming.....	18
3.9 Testing.....	19
IV RESULTS AND DISCUSSION.....	24
V CONCLUSION.....	30

<b>REFERENCES....</b>	.....	31
<b>APPENDIX</b>		
<b>A</b>	Analysis of Variance on Effect of Thickness Swelling, Water Absorption, Bending Strength, Internal Bond	32
<b>VITA</b>		52