

**PROPERTIES OF PARTICLEBOARD 450Kg/m³ FROM
SESENDUK (*Endospermum Malaccensis*)**

By

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TABLE OF CONTENT

Titles	Pages
APPROVAL SHEET	ii
DEDICATION	iii
ACKNOWLEDGEMENT	iv-v
LIST OF TABLES	vi
LIST OF FIGURES	vii
LIST OF PLATES	viii
LISTS OF ABBREVIATIONS	ix
ABSTRACT	x
ABSTRAK	xi

CHAPTER I

1.0 INTRODUCTION	1
1.1 General characteristics.....	1-4
1.2 Justification.....	5
1.3 Objective.....	6

CHAPTER II

2.0 LITERATURE REVIEW	7
2.1 Particleboard world industry	7-8
2.2 Status industry particleboard in Malaysia.....	9-11
2.3 Uses.....	11
2.4 History of particleboard.....	12-15
2.5 Wood wastes.....	16
2.5.1 Vernacular names.....	16
2.5.2 Distribution and Growth attributes.....	16
2.5.3 General characteristic.....	17
2.5.4 General properties.....	18-19
2.5.5 Morphology.....	19-20
2.5.6 Wood anatomy.....	20-21
2.5.7 Ecology.....	21
2.5.8 Harvesting.....	22
2.5.9 Prospect.....	23
2.5.10 Uses	23-25

2.6 Urea Formaldehyde resin.....	25-26
2.7 Wax.....	26-27
2.8 Effect of Resin.....	28

CHAPTER III

3.0 MATERIAL AND METHODOLOGY.....	29
3.1 Material preparation for particleboard.....	29
3.1.1 Wood.....	29
3.1.2 Glue (UF).....	30
3.1.3 Hardener.....	30
3.1.4 Wax.....	30
3.2 Preparation of specific gravity.....	31-33
3.3 Preparation of particles geometry.....	34
3.3.1 Particles classification.....	34
3.3.2 Flakes thickness and length of particles.....	35
3.4 Bulk density.....	36
3.5 Particleboard manufacturing explanation.....	37-49
3.6 Type of testing.....	50
3.6.1 Mechanical testing.....	50-52
3.6.2 Physical testing.....	53-54
3.7 Treatment.....	55

CHAPTER IV

4.0 RESULT AND DISCUSSION.....	56
4.1 Mechanical testing.....	58-63
4.2 Physical testing.....	64-66

CHAPTER V

5.0 CONCLUSION AND RECOMMENDATION.....	67-68
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REFERENCES.....	69-70
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ABSTRACT

Particleboard is one of many wood composites. Today, this panel is the most popular in furniture industry since this tremendous material replace plywood for building construction and furniture industry. In this study the *Endospermum malaccensis* selected as raw material with density 450kg/m³ also three percentage of resin Urea Formaldehyde that is 8%, 10% and 12% are used to make this particleboard. The physical and mechanical properties of this board will determine by several types of test. The result shows that the percentage of resin are used affecting the strength of this board. From this study the physical properties and some bending strength not reach the value of standard that has been specified.