

**COFFEE TABLE FROM TREATED KELEMPAYAN
WOOD**

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ABSTRACT

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This research is about a coffee table that was made from treated Kelempayan wood as the raw material. Kelempayan, scientifically known as *Neolamarckia cadamba*, is a light hardwood timber belonging to the Rubiaceae family. As a fast-growing wood species, it can grow extremely well in exploited regions, particularly logged-over areas, for Malaysian reforestation planting programs. The study found that treated Kelempayan may be used as an alternative raw material. The treatment that was used is low molecular Phenol Formaldehyde resin, that can strengthen the durability and strength of Kelempayan wood. The aim of this study is to design a coffee table using treated Kelempayan wood as a new alternative raw material and to manufacture a coffee table as well as to get feedback from respondents on the design and material of the coffee table via a survey. The method used to analyse the data was based on a questionnaire distributed to 148 respondents from different categories of gender, age, profession and income. The evaluation was carried on the basis of the characteristics of the raw material, design, marketing and satisfaction. The data has been analysed into reliability analysis, demographic analysis, comparative analysis, descriptive analysis and correlation analysis. The results show that the overall respondents were satisfied with this product with a mean rating of 4.52. As a result, this coffee table made of treated Kelempayan wood has a high commercialization potential in today's furniture industry.

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TABLE OF CONTENTS

	Page
ABSTRACT	iii
ABSTRAK	iv
ACKNOWLEDGEMENTS	iii
TABLE OF CONTENTS	iv
LIST OF TABLES	vi
LIST OF FIGURES	vii
LIST OF ABBREVIATIONS	ix
CHAPTER 1 INTRODUCTION	1
1.1 Background of the study	1
1.2 Problem statement	2
1.3 Significant of study	2
1.4 Objective	3
CHAPTER 2 LITERATURE REVIEW	4
2.1 Furniture Industry	4
2.2 Coffee Table	5
2.3 Material	7
2.3.1 Wood	7
2.3.2 Glass	9
2.3.3 Fastener	10
2.3.4 Finishing	11
2.4 Furniture Design	12
2.4.1 Shape	13
2.5 Ergonomic	13
2.6 Anthropometric	14
CHAPTER 3 METHODOLOGY	16
3.1 Materials	16
3.2 Methods	16
3.2.1 Product Design Process	16
3.2.2 Product Concept	17
3.2.3 Product Research	18
3.2.4 Product Design Development	18
3.2.5 CAD	20
3.2.6 Mock-up	22
3.2.7 Prototype Production	23
3.3 Product Planning	24
3.3.1 Bill of Material (BOM)	24

3.3.2	Route Sheet	24
3.3.3	Part List	25
3.3.4	Data Analysis	25
3.4	Final Preparation of Product	25
3.4.1	Raw Material Preparation	26
3.4.2	Cutting and Trimming	27
3.4.3	Assembling	27
3.4.4	Finishing	28
CHAPTER 4 RESULT AND DISCUSSIONS		29
4.1	Introduction	29
4.2	Reliability Analysis	29
4.3	Demographic Analysis	30
4.4	Descriptive Analysis	32
4.5	Comparative Analysis	37
4.5.1	Gender	37
4.5.2	Age	37
4.5.3	Profession	39
4.5.4	Income	40
4.6	Correlation Analysis	41
CHAPTER 5 CONCLUSION AND RECOMMENDATIONS		44
5.1	Conclusion	44
5.2	Recommendations	45
CITED REFERENCES		46
GANTT CHART		49
APPENDICES		50
CURRICULUM VITAE		61