

DESIGN OF STACKING ORIENTED COFFEE TABLE

MUHAMMAD SYAFIQ BIN ABDUL RAZAK

**Final Year Project Submitted in
Partial Fulfilment of the Requirement for the
Degree of Bachelor of Science (Hons.) Furniture Technology
in the Faculty of Applied Science
Universiti Teknologi MARA**

JANUARY 2015

ACKNOWLEDGEMENT

Assalamualaikum W.B.T

First of all, I would like to thank to Allah The Almighty for the blessing and strength to guide me to complete my thesis research.

I would like to express my sincere gratitude to my supervisor Miss Zaimatul Aqmar Binti Abdullah for the continuous effort to guide me for my research, for her patience, motivation and knowledge. Her guidance helped me to finish my thesis research in time.

I wish special gratitude to my beloved mother Mrs. Sainon Bt Mat Yaman and Miss Nur Syahirah Nakyra Bt Ahmad Fuad for their support throughout my study period in terms of money, guidance and moral supports.

My sincere thanks also goes to all wood industry and furniture industry lecturers whose willingness to contribute their knowledge, time and effort to help me to complete my final projects for guiding, reading and also offering comments as the project is being done. I gratefully acknowledge their helpful suggestions and comments.

Last but not the least, thank you to all my friends for their cooperation and willingness for support me to complete my thesis research in time successfully. Without them, this project will become difficult and hard to complete in time. Thanks once again to all the people who are involved in this final project.

TABLE OF CONTENTS

	Page
ACKNOWLEDGEMENTS	i
TABLE OF CONTENTS	ii-iii
LIST OF TABLES	iv
LIST OF FIGURES	v
LIST OF PLATE	vi
ABSTRACT	vii
ABSTRAK	viii
CHAPTER 1 INTRODUCTION	
1.1 Background of Furniture	1
1.2 Furniture Design	2
1.3 Furniture In Malaysia	3-4
1.4 Problem Statement	5
1.5 Objective of Study	5
CHAPTER 2 LITERATURE REVIEW	
2.0 Overview	6
2.1 Furniture Concept	
2.1.1 Traditional Concept	7
2.1.2 Provincial Concept	8
2.1.3 Contemporary Concept	8
2.2 History & Origins of Table	9
2.3 Coffee Table	10-12
2.4 Design Example	
2.4.1 Glass-Topped Coffee Table	13
2.4.2 Parsons Coffee Table	13
2.4.3 Tray-Topped Coffee Table	14
2.5 Materials	15
2.6 Finishing	
2.6.1 Edge Banding	16
2.6.2 Varnish	16
2.7 Handling & Safety	17
CHAPTER 3 METHODOLOGY	
3.1 Research And Collective Information About Design	18
3.2 Design Process	18
3.3 Sketching The Product Design	19
3.4 Mock-up Preparation	19
3.5 Prototype Preparation	19

3.6 Prototype Analysis	20
3.7 Survey Analysis	20
3.7 Realization Process	
3.7.1 Cutting Planned	21
3.7.2 Long Cut and Cross Cut Process	21
3.7.3 Assembling Process	21
3.7.4 Edging Process	21
3.7.5 Packaging Process	22
3.4 Part List	23
3.5 Route Sheet	25
3.6 Final Product	25

CHAPTER 4 RESULT AND DISCUSSION

4.1 Coffee Table Design Analysis	
4.1.1 Pre Survey Questionnaire	26
4.1.2 Survey Questionnaire	26
4.2 Prototype Analysis	27
4.3 Statistical Analysis	
4.3.2 The Product Suitability To Be Commercialized	28
4.3.3 The Product Design Is Space Saving	29
4.3.4 Suitability Of Material used	30
4.3.5 Price Of The Product	31
4.3.6 Quality Of The Product	32
4.3.7 Weight Of The Product	33

CHAPTER 5 RECOMMENDATION AND CONCLUSION

5.1 Recommendation	34
5.2 Conclusion	34

REFERENCES	35-37
APPENDIX	38-56
QUESTIONNAIRE	57
<i>CURRICULUM VITAE</i>	58-60

ABSTRACT

DESIGN OF STACKING ORIENTED COFFEE TABLE

This research was conducted to examine the feedback from users about the design of stacking oriented shape coffee table. The design of the product is the major for this study. The coffee table was produced and the data were collected by survey from questionnaires. The questionnaires were distributed to 50 correspondents which consist of students and staffs of UiTM Pahang. Then, the data were analyses by SPSS to get the results. Most of the correspondents gave the positive feedback regarding of the suitability to commercialize in market, suitability for limited space, design, weight, material and its price. Overall, the design of stacking oriented coffee table were accepted and supported to be commercialized by all correspondents in range of age, gender and profession.