

MULTIFUNCTIONAL UPHOLSTERED TABLE

NUR HAYATI BINTI DAUD

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

JULY 2014

ACKNOWLEDGEMENT

Assalamualaikum w.b.t

Praise be to Allah the Almighty and the Most Gracious and the Most Merciful for his blessings that grants me physical and mental health, time and strength to finish this final year project within the given times.

My special thanks to my supervisor Miss Norashikin binti Kamarudin who acts as my supervisor for this final year project. Through her guidelines, I was able to come this far as to finish this thesis writing with all her dedication for giving me her time and sweat for it. Her support, suggestion and critics are what my motivation to finish this project became.

I also would like to thank Dr. Wan Mohd Nazri b. Wan Abdul Rahman who has give me and my fellow friends guidance for the step taken to do this final year project.

My thanks also go for the staff of Wood Department. Without their help and support I neither could nor possibly be able to finish my project according to the schedule.

Thanks to my friend for all this time your support and helps do give me strength to endure all the hardship.

Thank you so much.

TABLE OF CONTENTS

	PAGE
APPROVAL SHEET	I
CANDIDATES DECLARATION	II
ACKNOWLEDGEMENTS	III
ABSTRACT	XII
ABSTRAK	XIII
LIST OF TABLES	VI
LIST OF FIGURES	VII
LIST OF PLATES	VIII
LIST OF ABBREVIATIONS	X
1 INTRODUCTION	1
1.1 General Introduction	1
1.2 Problem Statement	3
1.3 Justification of Study	4
1.4 Objective	4
2 LITERATURE REVIEW	5
2.1 Furniture	5
2.1.1 History of Furniture	5
2.2 History of Upholstery	10
2.3 Multifunctional Furniture	11
3 METHODOLOGY	12
3.1 Material	12
3.1.1 Kelempayan	12
3.1.2 Block board	13
3.1.3 Plywood	13
3.1.4 Artificial Leather Fabric	14
3.1.5 Polyurethane Foam	15
3.2 Method	15
3.2.1 Case Study	16
3.2.2 Problem Identification	17
3.2.3 Research Analysis	17
3.2.4 Produce Design	17

3.2.5	Design Confirm	19
3.2.6	Production Start	20
3.3	Manufacturing Process	21
3.3.1	Material Preparation	21
3.3.2	Cutting	22
3.3.3	Planning	24
3.3.4	Sanding	25
3.3.5	Assembling	25
3.3.6	Finishing Process	26
3.4	Data Analysis	28
3.4.1	Manual	28
3.5	Bill of Materials	29
3.6	Part List	29
3.7	Questionnaire	29
4	RESULT AND DISCUSSION	30
4.1	Introduction	30
4.2	Statistical Analysis	30
4.3	Discussion	32
4.3.1	The Effect of Age, Occupation and Gender on Knowledge of the Product	32
4.3.2	The Effect of Age, Occupation and Gender on Ergonomic of the Product	33
4.3.3	The Effect of Age, Occupation and Gender on Anthropometric of the Product	34
4.3.4	The Effect of Age, Occupation and Gender on the Marketability of the Product	35
4.3.5	The Effect of Age, Occupation and Gender on the Preference for the Product	36
4.3.6	The Effect of Age, Occupation and Gender on the Price of the Product	38

MULTIFUNCTIONAL UPHOLSTERED TABLE

By

NUR HAYATI BINTI DAUD

JULY 2014

ABSTRACT

Upholstered furniture is not new in the furniture making industry. This design project was done to design a multifunctional upholstered table and to create a space saving and cheap upholstered furniture. Customer survey has been done during this project by distributing the questionnaire to 50 random picked respondents. The respondent's opinion and choice has been analyzed to gain some information regarding this design project. The result gain was vary but still met the project target. The project design can enter the marketplace.