### **SLIDE TOP COFFEE TABLE**

## AHMAD FARIS IKHWAN BIN ABDULLAH

# BACHELOR OF SCIENCE (Hons.) FURNITURE TECHNOLOGY FACULTY OF APPLIED SCIENCES UNIVERSITI TEKNOLOGI MARA

FEBRUARY 2022

#### **ABSTRACT**

#### SLIDE TOP COFFEE TABLE

Furniture plays an important role in explaining the way of life of an individual and also known as a manageable object that can support human activities. Coffee table is one type of furniture that can be used to put things on it and will be placed at a living hall. But, limitation of space will restrict users in buying furniture. There is a need to design a furniture with dual function characteristic to overcome this problem. In this study, a product with dual function characteristic (as a coffee table and storage box) is designed and manufactured using Pinus radiata. Sliding table top is applied to give innovation to this product. Then, online survey is conducted to 150 respondents from different demographic factors in determining the acceptance of correspondents on the properties of this product. The results show that there is no significant difference based on gender, age, profession and income. Most of the respondents satisfied with the properties of this product especially female respondents. It can be concluded that this product has potential to be commercialized in furniture market.

**ACKNOWLEDGEMENTS** 

First and foremost, I would deliver my gratitude to Allah for whom with His willing

gives me the most precious opportunity to complete this thesis and also for giving me

the tranquillity of mind to handle all the obstacles and difficulties in finishing this task

properly. A special thanks to my dedicated supervisor, Puan Nur Hannani Binti Abdul

Latiff, Project Coordinator, Dr. Siti Zalifah Binti Mahmud for the help, guidance and

enthusiasm throughout the whole process of completing this thesis. Additionally, I am

very grateful for the friendship of all members of the AS247 6A group. I would like

to thank the staff and committee, En. Man which I puzzled over many of the same

problems. Finally, and most importantly, I thank my parents,

for their faith in me and allowing me to be as ambitious as I

wanted. Your prayer for me was what sustained me thus far.

AHMAD FARIS IKHWAN

(2020969129)

iii

## **TABLE OF CONTENTS**

ABSTRACT ABSTRAK ACKNOWLEDGEMENTS TABLE OF CONTENTS LIST OF TABLE LIST OF FIGURES LIST OF ABBREVIATIONS		Page iii iv iv vii viii
CHA	APTER 1 INTRODUCTION	1
1.1	Background of the study	1
1.2		2
1.3		1 2 3 3
1.4	<i>C</i> .	
1.5	Objective	4
	APTER 2 LITERATURE REVIEW	5
2.1	•	5
	Coffee Table	
2.3	Furniture Design	ç
	APTER 3 METHODOLOGY	15
3.1		15
3.2	Methodology	16
	3.2.1 Design Process	16
2.2	3.2.2 Manufacturing Process	22 25
3.3	Questionnaire And Online Surveys	23
CHA	APTER 4 RESULTS AND DISCUSSIONS	26
4.2	Descriptive analysis	27
4.3	Comparative Analysis	29
	4.3.1 Gender	29
	4.3.2 Age	30
	4.3.3 Profession	31
1 1	4.3.4 Income	32
4.4	Correlation Analysis	33
СНА	PTER 5 CONCLUSIONS AND RECOMMENDATIONS	38

### LIST OF TABLE

Table	Caption	Page
4.1	Frequency Analysis of Respondents' Demographic Analysis	20
4.2	Descriptive Analysis	23
4.3	Overall Descriptive Analysis	24
4.4	Correlational analysis	30