

**HIDDEN STORAGE SIDE TABLE WITH RATTAN OPEN WEBBING  
FOR LIMITED SPACE**

**NORHAFIKAH BINTI SIHABUDIN SURYA**

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

**FEBRUARY 2022**

## **ACKNOWLEDGEMENTS**

First and foremost, praise and thanks to God, the Almighty, for His showers of blessings throughout my research work, which enabled me to successfully complete the research.

I'd like to acknowledge and thank my supervisor, En.Amran Bin Shafie, for making this work possible. His direction and advice saw me through all stages of writing my project. I am also eternally grateful to my parents for their love, prayers, concern, and sacrifices in educating and preparing me for the future.

I'd also like to thank my committee members for making my defence an enjoyable experience, as well as for your brilliant comments and suggestions.

Finally, my thanks go to all the people who have supported me to complete the research work directly or indirectly.

## TABLE OF CONTENTS

<b>ACKNOWLEDGEMENTS</b> .....	I
<b>TABLE OF CONTENT</b> .....	II
<b>LIST OF FIGURE</b> .....	IV
<b>LIST OF TABLE</b> .....	V
<b>LIST OF ABBREVIATION</b> .....	V
<b>ABSTRACT</b> .....	VII
<b>ABSTRAK</b> .....	VIII
<b>CHAPTER 1 INTRODUCTION</b>	
1.1 Background Of Study .....	1
1.2 Problem Statements .....	2
1.3 Justification .....	3
1.4 Objectives Of Study .....	3
<b>CHAPTER 2 LITERATURE REVIEW</b>	
2.1 Side Table Concept Design As Need Or Want .....	4
2.2 Hidden Rattan Storage Concept .....	6
2.3 Limitation For Furniture Space Area .....	7
2.4 Materials.....	
2.3.1 Engineered Rubberwood.....	8
2.3.2 Rattan Materials .....	10
2.5 Current Marketing Strategy For a New Product .....	11
<b>CHAPTER 3 METHODOLOGY</b>	
3.1 Material .....	15
3.2 Product Design Process .....	
3.2.1 Collecting Of Information .....	16
3.2.2 Problem Of Identification.....	16
3.2.3 Research Of Analysis .....	16
3.2.4 Product Design Development.....	
3.2.4.1 Product Sketching.....	17
3.2.4.2 Mock-up Fabrication .....	17
3.2.4.3 Technical Drawing.....	18
3.3 Product Manufacturing Process .....	
3.3.1 Material Preparation .....	19
3.3.2 Cutting Process .....	19
3.3.3 Assembly Process .....	20

3.3.4 Sanding Process .....	21
3.3.5 Finishing Process .....	21
3.3.6 Final Product.....	22
3.4 Product Planning .....	
3.4.1 Bill Of Material .....	23
3.4.2 Route sheet .....	24
3.4.2 Part List .....	30
<b>CHAPTER 4 RESULTS AND DISSCUSION</b>	
4.1 Introduction.....	31
4.2 Reliability Analysis.....	31
4.3 Demographic Analysis.....	32
4.4 Descriptive Analysis .....	33
4.5 Comparative Analysis.....	
4.5.1 Gender.....	36
4.5.2 Age.....	37
4.5.3 Profession.....	38
4.5.4 Income.....	39
4.6 Correlation Analysis .....	40
<b>CHAPTER 5 CONCLUSION AND RECOMMENDATIONS</b>	
5.1 Conclusion .....	43
5.2 Recommendations.....	43
<b>REFERENCES.....</b>	<b>44</b>

## **ABSTRACT**

### **HIDDEN STORAGE SIDE TABLE WITH RATTAN OPEN WEBBING FOR LIMITED SPACE**

Furniture, first and foremost, serves a purpose. It's an important part of the house, and its main purpose is to facilitate a variety of activities such as meals, amusements, recreation, research, and so on. People nowadays prefer furniture with a simple and aesthetic design that also serves multiple functions. This study aims to produce a hidden storage side table with a combination of rattan open webbing and rubberwood that has an aesthetic, unique design and a wide range of uses. As a result, a questionnaire form was distributed via Google form to 103 potential customers in order to direct them to the proposed side table of new look variations. The descriptive analysis results show that design and function are important factors in creating a concealed storage side table with rattan open webbing. Meanwhile, correlation analysis results show that there is a significant positive relationship between knowledge, materials, and design and potential customer satisfaction. As a result, it is hoped that the proposed product will be marketed in the same way as other marketable furniture.