## SIDE TABLE WITH RATTAN WEAVING

# NOR AINA BINTI AHMAD HUSSIN (2019672522)

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

**AUGUST 2021** 

### **ACKNOWLEDGEMENTS**

Alhamdulillah, first of all, I would like to thank Allah SWT for His blessings that have given me good physical and mental health to finish this research project. Huge thanks to my project coordinator for the guidance in completing this research.

Special thanks to all my friends from AS247 6B, my sisters from another mother, that helped me with ideas and gave me mental support. Without them, I will not succeed and would not be able to finish this research project. Thank you so much to my core strength, my beloved mother and father,

whose gave me duas, support, time, and everything for me to finish this research.

Last but not least, many thanks to my supervisor and co-supervisor of my project, Madam Ainul Munirah and Madam Sharifah Norhuda, who is patient with me all along and gave me huge mental support while I am having such hardships.

# **TABLE OF CONTENTS**

APPROVAL SHEET	III
ACKNOWLEDGEMENTS	V
TABLE OF CONTENTS	VI
LIST OF FIGURES	VIII
LIST OF TABLES	IX
LIST OF ABBREVIATIONS	X
ABSTRACT	XI
ABSTRAK	XII
CHAPTER 1	1
INTRODUCTION	1
1.1 Background Of Study	1
1.2 Problem Statement And Justification	3
1.3 Significance Of Study	3
1.4 Objectives Of Study	4
CHAPTER 2	5
LITERATURE REVIEW	5
2.1 Furniture Design	5
2.3 Material	8
2.3.1 Wood	8
2.3.2 Rattan	10
CHAPTER 3	12
RESEARCH METHODOLOGY	12
3.1 Material Selection	12
3.2 Product Design Process	13
3.2.1 Problem Identification	14
3.2.2 Research Analysis	14
3.2.3 Design Process	15
3.2.4 Product Sketching	15
3.2.5 Technical Drawing	17
3.2.6 Mock-Up Building	19
3.2.7 Virtual Prototype	20
3.3 Manufacturing Process	21
3.3.1 Material Preparation	22
3.3.2 Cutting	22
3 3 3 Assembling	23

3.3.4 Finishing	23
3.3.5 Final Product	24
3.3.6 Data Collection	25
3.3.7 Data Analysis	25
CHAPTER 4	26
RESULTS AND DISCUSSION	26
4.1 Introduction	26
4.2 Side Table With Rattan Weaving	26
4.3 Demographic Analysis	26
4.4 Descriptive Analysis	29
4.5 Correlation Analysis	36
4.6 Reliability Analysis	37
CHAPTER 5	39
CONCLUSION AND RECOMMENDATION	39
5.1 Conclusion	39
5.2 Recommendation	39
REFERENCES	40
APPENDICES	42
CURRICULUM VITAE	59

#### **ABSTRACT**

#### SIDE TABLE WITH RATTAN WEAVING

Many side tables exist in this world. Most homes have at least one side table in their home and have been considered must-have furniture. Most people nowadays looked up to the simple, unique, and aesthetic design of the side tables. This study aims to create a new design of a side table with rattan weaving using a combination of rattan and rubberwood. Therefore, a questionnaire was distributed via Google form to get the response towards the proposed new look of side table among 150 potential customers. Descriptive analysis result reveals that design becomes the most important factor in producing the side table with rattan weaving. While, correlation analysis results indicate that there exists a significant positive relationship between knowledge, material and design, with potential customers' satisfaction towards a product. On average, the respondents also agreed that the product is suitable to be commercialized in the furniture industry. Therefore, it is hoped that the proposed product will be marketed as other marketable furniture.