

SPACE SAVING TWO SIDE TABLE WITH COFFEE TABLE

TUAH ZULHELMI BIN JOHAN

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

FEBRUARY 2022

ABSTRACT

SPACE SAVING TWO SIDE TABLE WITH COFFEE TABLE

This study was carried out and construct the space saving two side tables with a coffee table. These two objectives were successfully done, based on its planned design and resources. The finished product was coating with wood varnish which gave protection and enhance the wood appearance. After the product completely produced, a survey was done by using online questionnaire that collected from 129 respondents from residents of Kampung Rantau Panjang, Klang. The area was chosen because of several reasons such as suburban area, population density, and diversity of backgrounds. The data was analysed by using statistical package for the Sosial science (SPSS) application. The results showed significant differences. There were some variables have been analysed such as raw material, design, marketing and satisfaction. Overall, the respondents agreed and satisfied with this product.

ACKNOWLEDGEMENT

Alhamdullilah, to Allah S.W.T for the completion of this thesis as one of the requirements that need to be accomplished in the course work assessment for the code FSG602.

For the prospect, this is an advantage to practice ability and performances in different way instead of thinking and memorizing theory and facts in the classes. In addition, this thesis helps on encouraging effort on becoming an educative and creative in production.

Special thanks to my parents for giving the support in completing this report. I would like to express my deepest appreciation to all those who provided me the possibility to complete this report. A special gratitude I give to all my dedicated Mr. Nik Hazlan bin Nik Hashim and other lecturers and staffs whose contribution in stimulating suggestion and encouragement, taught theoretical and practically for 2 semesters. I cannot be able to complete all these things without this great people.

Furthermore, I would also like at expand greatest gratitude to all those who have directly and indirectly guided in completing this assignment. Finally, I managed to become more organized and mature in dealing with problems that occurred during task.

TABLE OF CONTENTS

| | |
|--|-----------|
| ABSTRACT..... | iii |
| ABSTRAK..... | 5 |
| ACKNOWLEDGEMENT | 6 |
| List of Figures | 9 |
| List of Table | 10 |
| 1 CHAPTER 1 INTRODCUTION..... | 11 |
| 1.1. Background of study | 11 |
| 1.2. Problem statement..... | 11 |
| 1.3. Justification | 12 |
| 1.4. Objective of study | 12 |
| 2 CHAPTER 2 LITERATURE VIEW | 13 |
| 2.1 Two side tables can combine into coffee table with as a need or want..... | 13 |
| 2.2 Combination concept..... | 14 |
| 2.3 Materials for space saving side tables with a coffee table | 14 |
| 2.4 Engineered wood..... | 15 |
| 2.5 Other materials | 15 |
| 2.6 Anthropometric and ergonomic for side tables and coffee table | 16 |
| 2.7 User perception on multipurpose furniture | 16 |
| 3 METHODOLOGY | 18 |
| 3.1 Introduction | 18 |
| 3.2 Material | 18 |
| 3.3 Product Design Process | 19 |
| 3.3.1 Collecting Information..... | 19 |
| 3.3.2 Problem Identification | 20 |
| 3.3.3 Product Research Analysis | 20 |
| 3.3.4 Product Design Development | 21 |

| | | |
|------------------------|---|-----------|
| 3.4 | Product Manufacturing Process | 23 |
| 3.4.1 | Material Selection | 24 |
| 3.4.2 | Measuring and Marking..... | 25 |
| 3.4.3 | Cutting..... | 26 |
| 3.4.4 | Assembly Process | 27 |
| 3.4.5 | Sanding | 27 |
| 3.4.6 | Finishing | 28 |
| 3.4.7 | Bill of Material..... | 29 |
| 3.4.8 | Route Sheet | 30 |
| 4 | RESULTS AND DISCUSSION | 32 |
| 4.1 | List samples of questionnaire..... | 32 |
| 4.2 | Reliability Analysis | 33 |
| 4.3 | Demographic Analysis | 34 |
| 4.4 | Descriptive Analysis | 34 |
| 4.5 | Comparative Analysis | 37 |
| 4.5.1 | Gender..... | 37 |
| 4.5.2 | Age..... | 38 |
| 4.5.3 | Profession..... | 39 |
| 4.5.4 | Salary | 40 |
| 4.6 | Corelation Analysis | 40 |
| 5 | CONCLUSION AND RECOMMENDATION..... | 43 |
| 5.1 | Conclusion..... | 43 |
| 5.2 | Recommendation..... | 43 |
| REFERENCES..... | | 44 |