

# **CHES SQUARE TABLE**

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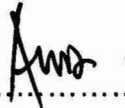
**This Final Year Project Report Submitted in Partial Fulfillment of the  
Requirements for the Degree Bachelor of Sciences (Hons.) Furniture  
Technology in the Faculty of Applied Sciences Universiti Teknologi  
MARA**

**JULY 2016**

## CANDIDATES' DECLARATION

I declare that the work in this thesis was carried out in accordance with the regulation of Universiti Teknologi MARA. It is original and is the result of my work, unless otherwise indicated or acknowledged as referenced work. This thesis has not been submitted to any academic institution or non-academic institution for any other degree or qualification.

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## **ABSTRACT**

### **CHESS SQUARE TABLE**

Alternative source for furniture materials is needed due to the depleting supplies of raw materials (solid wood) for furniture industry. Machining wood waste is one possible solution to overcome this situation. In this study, a "Chess Square Table" was designed and produced by using machining wood waste and plywood. The price of the product must be at economical price. After design and manufacturing process, a survey was undertaken in evaluating the characteristics of the product based on gender, profession and range of age. The characteristics evaluated by the correspondents were such as suitability of raw materials used, suitability towards consumers, reducing machining wood waste, aesthetical value, ergonomics and anthropometrics design, price, and commercialization of the product. A set of questionnaires was distributed to 60 correspondents which consist of students, staffs, and furniture retailers. From the result, it shows that there are no significant different between the evaluation of the product's characteristics based on gender, profession, and range of age. It can be concluded that "Chess Square Table" was successfully designed and produced by using machining wood waste and plywood, at economical price. Hence, it also has great potential to be commercialized.

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