

ADJUSTABLE COFFEE TABLE BY USING WOODEN PALLET

(Pinus radiata)

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Requirements for the Bachelor of Science (Hons.) Furniture Technology
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CANDIDATE'S DECLARATION

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

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ABSTRACT

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Furniture is a movable thing which is needed in residents, office or in other locations to support various human activities such as such seating and commonly limited to one single function only. It caused less flexibility to consumers in term of body measurement. There also depleting supply of rubber wood that cause higher production cost and it is a need to find an alternative raw material to replace it. The purposes of this study are to design an Adjustable Coffee Table by using wooden pallet (*Pinus radiata*) and produce it at economical price. After design and production process completed, a survey was undertaken to 80 correspondents around Bandar Pusat Jengka based on different types of gender, gender, and profession. Seven characteristics of the product were evaluated such as suitability and stability of the material, design, adjustable concept, ergonomic and anthropometric, price and commercialization. The results show that there are significant different for all characteristics except for stability, design and commercialization based on gender. Meanwhile, age and profession were totally not influence the evaluation for all characteristics. So it can conclude that wooden pallet can be a suitable material to produce this adjustable coffee table. Overall this product has a potential to be commercialize to the industry with economical price.

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