

**PROPERTIES OF ORIENTED STRAND BOARD (OSB) FROM MIX ACACIA
AND SESENDUK AT 5% RESIN CONTENT WITH DENSITY OF 600 KG/M³**

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Abstract of final project presented of the Universiti Teknologi MARA fulfillment of the requirements for the Diploma in Wood Industry

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Oriented Strand Board (OSB) is one of wood composite panel that have most similar strength properties with plywood. The purpose of this study is to determine the strength properties of OSB made from mix *Acacia mangium* and *Endospermum diadenum*. The strength properties was include Modulus of Elasticity (MOE), Modulus of Rupture (MOR), Internal Bond (IB), percentage of thickness swelling, and also percentage of water absorption. This study was made to determine suitability mix *A. mangium* and *E. diadenum* in the production of OSB. This trial using 5% resin content with density of 600 kg/m³ is to determine and identify the strength properties to make comparable with European Standard (EN 310) whether suitable to commercialize it or not.