

**PROPERTIES OF FINGER JOINT BY DIFFERENT ALIGNMENT AND
SPECIES**

RIZAL SHAFUAN BIN ABDULL RANI

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ABSTRACT

PROPERTIES OF FINGER JOINT BY DIFFERENT ALIGNMENT AND SPECIES

The effect of finger joint properties by different alignment and species have been investigated. In this study, *Acacia mangium*, *Endospermum diadenum*, and *Neolamarckia cadamba* was use as a specimen and the type of alignment used are horizontal alignment and vertical alignment. The sawn *Acacia mangium*, *Endospermum diadenum* and *Neolamarckia cadamba* were dried at 12% moisture content (MC). Then they were cut into dimension 310mmx20mmx20mm and all knots and defects were removed. Finger joint was evaluated for their physical and mechanical properties according to BS EN standard. Bending test (MOR and MOE) was carried out to know the mechanical properties. As the result all of finger joint passed the BS EN standard requirement for mechanical test (MOR and MOE).