

**FINISHING PROPERTIES OF OIL BASED PAINT ON WOOD  
SURFACES FROM TWO HARDWOOD SPECIES**

**SYAIEDEEN BIN AWANG RANI**

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## ABSTRACT

### FINISHING PROPERTIES OF OIL BASED PAINT ON WOOD SURFACES FROM TWO HARDWOOD SPECIES

Finishing are important to decorate and highlighted the aesthetic value of wood, but also important in to protect the wood from agent of deterioration. This paper research was conducted to determine finishing properties of oil-based paint on Resak (*Cotylelobium lanceolatum*) from heavy hardwood and Meranti (*Shorea spp.*) from light hardwood. Malaysian hardwood sawn timber is widely used in housing construction and structural use. The Malaysian hardwood species are generally classed in three major groups, heavy hardwood, medium hardwood and light hardwood. Oil-based paint finishes have become among the most popular finishes used by woodworkers. This is partly due to the pleasing, close-to-the-wood look that oil finishes produce. There are three coating layer were studied in this research which are single layer, double layer and triple layer. The result revealed that, oil-based paint coating was suitable to be applied on single layer. There are slightly differences on surface roughness between Resak and Meranti. But the Meranti can be used instead of Resak as finishing substrate because the differences was too smaller. .