

MACHINING PROPERTIES OF OIL PALM LUMBER

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ABSTRACT

MACHINING PROPERTIES OF OIL PALM LUMBER (*Elaeis guineensis*)

Oil palm lumber had become one of the most important material in furniture industry and wood-based materials. This research is to determine the machining properties of oil palm lumber at different portion and layer. Mortising and boring process have been used during this research. Although those process were done for the same portion and layer, different results have recorded because of several factor that influence of their machining properties. Outer layer of the oil palm from bottom portion gives better performance in machining process compared with the top and middle portion. However middle portion of oil palm lumber also can be used in machinig process if proper machining technique is adopted in futher study.