

**FINISHING PROPERTIES FROM KELEMPAYAN BY USING
DIFFERENT ABRASIVE PAPER AND VARNISH**

NOR SYAHIRAH BINTI JAUS

**BACHELOR OF SCIENCE (Hons.)
FURNITURE TECHNOLOGY
FACULTY OF APPLIED SCIENCE
UNIVERSITY TEKNOLOGI MARA**

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ABSTRACT

FINISHING PROPERTIES OF KELEMPAYAN (*Neolamarckia cadamba*) BY USING DIFFERENT ABRASIVE PAPER AND VARNISH

Finishing is the last process in manufacturing of furniture to remove all the foreigner material and make the surface of product become clean and smooth. To make the surface looks in aesthetic value and more decorative. The finishing properties of Kelempayan (*Neolamarckia Cadamba*) by using different of abrasive paper and varnish were ascertained. The effect of different types of abrasive paper (Aluminum Oxide and Silicon Carbide) and varnish were determined. All the finishing properties were significantly influenced by abrasive paper (except cross cut test) and varnish. Four types of testing were used to evaluate the different of abrasive paper with varnish. The types of finishing testing were pencil hardness test, adhesion tape (cross cut test), household test, and surface roughness test. In this study, the types of finishing system have two such as System A which is one time of sanding and varnish and System B which is two times of sanding and varnish. There are no significant different between abrasive paper with cross cut test which is 0.195, while abrasive paper between surface roughness and pencil hardness test are 7.873 and 5.000. For finishing system between cross cut test is 1.759, thus there are no significant different. Surface roughness test and pencil hardness test between finishing system which are 413.173 and 28.800 and there has highly significant different. Interaction between abrasive paper and finishing system, there are no significant different at surface roughness test and pencil hardness test while compared to cross cut test. From the study, it shows that aluminum oxide paper give the better performance compared to silicon carbide paper. Lastly, system B also gives the better finishing system on finishing properties.