

CHEMICAL PROPERTIES OF KELEMPAYAN WOOD SPECIES

(Anthocephalus chinensis)

By

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The research was carried out to study the chemical properties of Kelempayan. Sample for the research were taken at Diameter Breast Height (DBH) of Kelempayan tree species found at UiTM Pahang Forest Reserve. It is from Rubiaceae family which is ranging from 720 kg/m³ (451b/ka³) densities and categorized as light hardwood. Among the experiments that have been completed were MC, determination of cold water, hot water, alcohol-benzene, 1% NaOH solubility, the content of lignin and ash. With this experiment, the different properties percentage of amount within the Kelempayan specimens such as tannins, gums, sugars, starch, coloring matter, content of lignin and ash could be determine. If the criteria met the end use of wood, then the use of Kelempayan as an alternative raw material is worth given due consideration.