

# **CHEMICAL PROPERTIES OF ACACIA MANGIUM**

**BY**

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# **CHEMICAL PROPERTIES OF *ACACIA MANGIUM* WOOD SPECIES**

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## **ABSTRACT**

The research was carried out to study the chemical properties of *Acacia Mangium* in mature tree. Chemical component of wood influence the characteristics, properties and opportunities for use of natural composite. The main objective of the study was to determine basic chemical component of *Acacia Mngium* from mature tree and the effect of tree portion, namely, top, middle, and bottom also studied. *Acacia Mangium* wood was analysed for cold-water, hot- water, ash content, lignin, alcohol- benzene, 1 % NaOH solubility and Holocellulose but the experiments that have been completed were Moisture Content. With this experiment, the different proprties percentages og amount within the *acacia mangium* such as tannins, gums, sugars, starch, coloring matter, content of lignin and ash could be determine.