

**COMPARISON OF EXTRACTIVE CONTENT  
BETWEEN SAPWOOD AND HEARTWOOD FOR  
MAHANG GAJAH (*Macaranga gigantea*)**

*by*

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## ABSTRACT

### COMPARISON OF EXTRACTIVE CONTENT BETWEEN SAPWOOD AND HEARTWOOD FOR MAHANG GAJAH (*Macaranga gigantea*)

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The amount of extractives may vary greatly between species, between trees and within a tree. The wood just inside the inner bark of a tree (sapwood) will normally contain few or no extractives while the extractive content of the inner part of a tree (heartwood) can be very high. For this final project, the Mahang Gajah species (*Macaranga gigantea*) is choice to find out the amount of the extractives content in sapwood and heartwood portion with find the values of moisture content, hot water soluble, Alcohol-benzene soluble and 1% NaOH soluble.

Wood extractives such as hot-water solubles, 1% NaOH solubles and alcohol-benzene solubles was studied for the variation according to sapwood and heartwood. The finding indicated that Mahang gajah process extractives of higher percentage at the heartwood as compared to the sapwood region.