

**CHEMICAL COMPOSITION OF MENKIRAI  
(*TREMA ORIENTALIS*)  
FOR DIFFERENT HEIGHT LEVELS,  
SAPWOOD AND HEARTWOOD**

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**ABSTRACT**

The variability of chemical composition along height level, sapwood, and heartwood including part of base, middle and top were determined using methods in TAPPI Standards and the results were discussed in this paper. According to the species *Trema orientalis* (mengkirai) was selected as a main material in this study. The chemical in the sample wood included cellulose, hemicellulose, lignin and extraneous components. The experiment was carried out to know the percentage of chemical contained in *T. orientalis* species. The chemical constituent results have shown cold water solubility (1.5%), hot water solubility (2.59%), and the alcohol-benzene solubility (10.87%). However, this study must be continued for the next time to know the better results of chemical constituents of mengkirai wood.