

**CHEMICAL PROPERTIES OF ARAUCARIA
(*Araucaria hunsteneii*) SAPWOOD AND HEARTWOOD**

By

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The variability of chemical properties among sapwood and heartwood were determined using methods in TAPPI Standards and the results were discussed in this paper. According to the species *Araucaria hunsteneii* (*Araucaria*) 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 contents in *Araucaria hunsteneii* species. The chemical constituent results have shown cold water solubility for sapwood (1.899%) and heartwood (4.534%), hot water solubility for sapwood (2.35%) and heartwood (5.09%), the alcohol-benzene solubility for sapwood (2.77%) and heartwood (6.895%), the Sodium Hydroxide solubility for sapwood (8.355%) and for heartwood (13.805%), the ash content for sapwood (0.36%) and heartwood (0.55%), the lignin contents for sapwood (28.51%) and for heartwood (30.175%). However, this study must be continued for the next time to know the better result of chemical properties of *Araucaria* (*Araucaria hunsteneii*) wood.