Kraft Pulping from Sentang Spp. (<u>Azadirachta Excelsa</u>). Effect of Active Alkali and Temperature on Pulp and Paper Properties.

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ABSTRACT

The research that had been done was carried out using Sentang tree (*azadearachta exelca*). The purposed of this research was to study about the strength of the paper produce using differentiate active alkali at different temperature. The active alkali that had been used were 16%, 18%, and 20% and each of the active alkali will be cook with 500g of wood chip from sentang tree for three different temperatures that were 160°C, 170°C, and 180°C which mean the cooking procedure will be held 9 times. After the cooking procedure done, trial papers were made to find the volume of water that need to make a paper. After finding the volume of water that is needed, 6 pieces of paper had been produced. The paper will be cut into required size that is suitable for tensile test, burst test, folding endurance test, and tearing test. The results from the tests were showed in result and discussion.