

**PULPING OF OIL PALM FRONDS USING KRAFT :
THE EFFECT OF ACTIVE ALKALINE ON PULP AND PAPER PROPERTIES**

By

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ABSTRACT

This research was done on oil palm frond (*Elaeis guineensis*) to study the strength properties of paper and the suitability of using oil palm frond fiber. The method that had been used to produce paper are kraft pulping with differences percentage (15%, 20%, 25%) of active alkaline. Beating process was set up to 5000 rpm for each active alkaline. The strength properties of paper are followed by ISO Standard. From the testing, the results show that the increasing are according to the increasing of active alkaline. As the conclusion, 25% of Active Alkali the better result for the mechanical properties of paper. While for the freeness test, it decreases from lower % of active alkaline to highest.