MECHANICAL PULPING FROM KENAF

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ABSTRACT

MECHANICAL PULPING FROM KENAF SPECIES

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The study of this thesis is on species of Kenaf (*Hibiscus Cannabinus L*) from Malvaceae which is finding the paper properties and it's suitable by using mechanical pulping process (Thermo-mechanical Pulping Process). Kenaf is a non-wood plant that has potential as a raw material of paper production. It consists of two parts known as bast (skin) and core (stem), both of which have properties fibers. To get maximum benefit from this difference, then both of these fiber types separately. Kenaf can be considered relatively new in the pulping industry to other industries in Malaysia. Non-timber resources, not only the unlimited resources but maturity are relatively short when compared to wood resources. Kenaf in particular, requires only within 150 days before they can be collected, compared with a minimum of 5-10 years for most other species of wood. From the experiment that had been done, kenaf is qualified as a raw material in paper making using Mechanical Pulping process. This is because the process of beating revolution is to improve strength of the fiber to get a satisfied result for all testing process. The paper production from kenaf gives a good return on investment for our country.