

THE STRENGTH PROPERTIES OF PAPER FROM  
*ACACIA MANGIUM* ACCORDING TO 15%, 20% AND 25%  
ACTIVE ALKALI USING KRAFT PULPING

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**ABSTRACT**

Studied of *Acacia mangium* from Fabaceae family is purpose to determine the strength properties and the suitability of paper using Kraft pulping. Beating process was set up to 2000 r.p.m revolution of each active alkali. The strength properties of paper measured using TAPPI standard. Followed the results, the strength for tearing increased 2.9%, tensile increased 11.21% and burst index increased 12.48% while the freeness and folding endurance decreased. The freeness decreased 9.09% and folding endurance 62.9%. The increasing and the decreasing of the results occurred because of the increasing in active alkali used.