

**PROPERTIES OF PAPER FROM *Cymbopogon nardus* (SERAI WANGI) BY
USING DIFFERENT BEATING PROCESS**

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ABSTRACT

The strength properties of paper and the suitability of using *Cymbopogon nardus* (Serai Wangi) was studied. Soda pulping process with different revolution of beating that are 0, 10000 and 20000 revolutions was used. The paper mechanical properties such as tensile strength and tearing strength was tested. From the different of beating revolution, 20000 of beating revolution produced higher strength of paper because at this level the fiber have reach it optimum point of length. It can be concluded that by different level of beating revolution will produce the different level of paper strength. So, the higher the beating revolution, the higher strength properties of paper.