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SITTISAN WACHIRANUPAP : FEASIBILITY STUDY OF PULP PROCESSING
FROM (*TYPHA ANGUSTIFOLIA LINN.*) NARROW LEAVED CATTAIL. THESIS
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Narrow leaved cattail is an easy - growing water plant which can be found in most of
wet - land areas. This plant has been proposed as a source of pulp to produce paper. This report
presents the results of sulfate pulping of narrow leaved cattail.

According to study, the optimal conditions for sulfate cooking include the effective
alkali of 25 %, sulfidity of 30 % and cooking time of 2 hours. This yields 34.0 % of pulp giving
tensile index of 66.4 kN/kg, tear index of 5.99 Nm²/kg, and burst index of 4.05 kPa m²/g. When
bleaching pulp produced by the mentioned conditions with D - E_p - D bleaching process, the
final brightness becomes 75 % while minimizing yield loss. The cattail pulp produced in this
study conformed with the TSI.287-2533 standard.