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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 Nm<sup>2</sup>/kg, and burst index of 4.05 kPa m<sup>2</sup>/g. When bleaching pulp produced by the mentioned conditions with D - E<sub>p</sub> - 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.