

***FEASIBILITY STUDY OF THE INVESTMENT VALUE OF THE BENGKALIS
ISLAND - SUMATRA ISLAND BRIDGE PLANNING PROJECT***

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ABSTRACT

This study evaluates the investment feasibility of the Bengkalis Island - Sumatra Island Bridge project using the Net Present Value (NPV), Internal Rate of Return (IRR), and Payback Period (PP) methods. The analysis includes site selection using the Analytical Hierarchy Process (AHP) method, cost estimation, and revenue projection from toll tariffs. The results show that $NPV > 0$, amounting to Rp.260.395.041.806. $IRR >$ Discount rate, and Payback Period is projected to occur in 2080, faster than the economic life of the project, so based on the Feasibility Study of investment Value, it can be concluded that the construction of the Bengkalis Island - Sumatra Island Bridge is feasible.

Keyword: Investment Feasibility, NPV, IRR, Payback Period, Analytical Hierarchy Process.