SLIPWAY PLAN IN TABUNG ANEN BARITO RIVER
BANJARMASIN SOUTH KALIMANTAN

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ABSTRACT

Distribution of goods is increasing in Indonesia, so it needs an adequate supporting facilities. One of the main supporting facilities is transport by sea. For Indonesia, a maritime country, two thirds of its territory is water and as a result Indonesia is in dire need of sea transport. However, ships and facilities in Indonesia are still very minimal.

Therefore it needs transportation systems supporting facilities such as ports, docks, shipyards, etc.. The shipyard is a building or place that is located by the sea or a river that serves as a place to build and repair ships. One of the shipyard type is Slipway. Slipway construction consists of rails mounted on concrete foundation such as in building berth, and trains (cradle) on top of it. Cradle can move on the tracks with the help of steel cables (slink) which drawn by crane machine (winch).

The slipway will be built on the edge of the estuary of the Barito River Banjarmasin, South Kalimantan which the land is dominated by swamplands, so the problem is how to plan the Slipway structure with a stable foundation structure in the swamp area.

In this final project, 10,000 DWT ship used as a planning data. The aspects that will be used as a comparison factor in this study are technical aspects that include aspects of
implementation, operational and capacity. From these aspects, it is expected to plan the optimum dimensions of the slipway to be built on the banks of the Barito River, Tabung Anen Village, Banjarmasin, South Kalimantan.

**Keywords : Banjarmasin, Shipyard, Slipway, Cradle**