DESIGN OF FLOATING RESTAURANT AS WATER TOURISM RIDES IN LAMONGAN TOWN (GONDANG RESERVOIR)

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ABSTRACT
Tourist Attractions Gondang Reservoir in West Sugio Lamongan received less attention in the development of tourist areas. Though stored natural beauty have high sales value but can not be maximized. Preventive measures to maximize the sale value of the reservoir one of which tourism is adding to the tourist facilities. During this time the existing tourist facilities are concentrated on areas outside the reservoir.

It is planned that an alternative design of a floating restaurant that planned to operate in the reservoir area is located 9 meters from the edge of the tourist area. Planning primary measure based on the needs and condition of waters that tailored to the needs. The building is planned to include visitors as planned with the condition of buildings that float. Building planning process starts from the determination of heavy loads, drawing the initial sketch, the general arrangement, and calculation of construction. Design and stability analysis using the software Maxsurf Pro and Hydromax Pro, while planning sketches using AutoCAD software.

Based on the condition of the building laden waters have been determined. From the results of planning and calculation of the main building is planned size L=10 m, B=10 m, H=1 m, T=0.5 m. Manufacture of building materials of FRP (Fiberglass Reinforced Plastic).

Key words : Reservoirs Gondang, facilities, alternative designs.