# *CONSTRUCTION DESIGN OF THE TOURIST SHIP M.V. SITOBA MADE FROM FIBERGLASS*


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## *ABSTRACT*


*Construction can be interpreted as a building or infrastructure unit in one or several areas. In Dony Damara's final assignment with the title Planning for Tourism Ship Design to Support Tourism on Lake Toba, the author has created a tourist ship design with the name M.V. Sitoba. The previous author has designed the lines plan and general arrangement. The results of this study are to get the modulus calculation of each component on the M.V. Sitoba, Transverse Frame = 17,57 cm³, Side Longitudinal = 21,36 cm³, Side Girder = 20,76 cm³, Tunnel Longitudinal = 18,99 cm³, Bottom Longitudinal = 25,737 cm³, Deck Girder = 13,183 cm³, than obtain the thickness of the fiberglass layer on all sides, and obtain a 3D construction drawings on the M.V. Sitoba tourist ships uses autocad software with a distance of 0,5 meters for each component.*



***Keywords**: Construction Calculations, Fiber Ships, M.V. Sitoba*