SHIP CONVERSION FEASIBILITY STUDY OF FISHING VESSEL MINAJAYA INTO CARGO PASSANGER SHIP FOR PERINTIS RUTE PROJECTS

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Abstract

Project Minajaya fishing vessel is a government project to develop the fishing industry and the empowerment of marine natural resources realized in the development of 31 units ship tuna long liner. Development of ships can only complete 14 units of ships and ships at this time in the squalid conditions. The problem is to provide an alternative settlement ideas to modify a cargo passenger ship to perintis rute projects.

Conversion Minajaya fishing boat into the passenger ship the goods to start establishing pioneer transportation routes ship cargo passenger ship. The process continued with the conversion plan modifications with reference draft ship and engine power remains, tank meets the needs of long cruises, put the passenger on the main deck and cargo under the main deck, plan loading and unloading facilities, safety equipment and evacuation routes. Crago passenger ship inspection results freeboard conversion is done, the balance condition, tonnage, size of construction, and stability.

Results ship conversion fishing vessel Minajaya into cargo passenger ship design obtained goods that meet the technical feasibility of the route with the pioneer in the R-48 stretch that is Merauke-Wanam-Asiki-Getentiri-Ampera-Tanah Merah go home. Specifications of goods passenger ship conversions have a passenger capacity of 62 seated people, 46 people tatami passenger, the cargo capacity of 181 tons and tonnage 531 GT. Design of cargo passenger ship meet freeboard calculation, construction, stability and trim.

Analysis of economical design of cargo passenger ships did not include Minajaya fishing vessel price as initial investment and added subsidy of Rp 2 billion for the incentives cost of conversion and Rp 1.5 billion per year with a 20% increase every 3 years for subsidized perintis tariff. Design of cargo passenger ships to perintis rute projects meet with the economic aspects of the feasibility with Break Even Point (BEP) in the 13th year and cummulative cash flow chart tends to increase (positive).

Keywords : Minajaya, conversion, cargo passanger, perintis