ABSTRACT

Repair of ship is an activity that must be done by the ship owner to obtain the feasibility of their ships, because it greatly affect the safety and security factors when the ship sailed. But with so many repair items that have this can make the shipowner must pay a nominal large enough, while the owner of the ship also has a limited ability to exclude the cost of ship repair process conducted by docks. With the limited fund it is necessary to prioritize the selection of repair items in term of ship repair, so unknown repair item that affect the cost of ship maintenance and repair. The method used in this study with the data processing result with QFD questionnaire to determine priorities for repair items with the help of software SPSS.ver 13.0. After adjustment were made between the priorities with the availability of repair item with linear program budget with the help of Microsoft Excel Solver in 2007. Research by the application of QFD generate interest rate ship maintenance and repair of the most influential is the work replating plat at car deck and below car deck, maintenance cost is the difference between budget cost with the application of QFD at annual survey in the amount Rp 22.714.800,00 or value Rp 546.042.000,00 from the initial amount Rp 568.756.800,00 and at special survey in the amount RP 36.115.500,00 or value Rp 674.832.500,00 from initial amount Rp 710.948.000,00.

Keyword : Ship Maintenance costs, QFD, SPSS.ver 13.0, Solver.