Abstract

2000 GT Passenger ship type is a vessel which its development to be proposed by Department of Communications (DEPHUB). In the development process, much of the ship operation supporting system are to be designed and planned, one of the systems is sanitary system. The problems in this final project include in how to design sanitary system scenario that its proper to be used in its vessel and the system design complies with the current applied regulations. The second problem, how to determine the most effective of the sanitary system out of some sanitary system scenario design through way both in technical and economical study.

In this final project carried out both the designing and planning to make 6 sanitary systems scenario where as its scenario based on 2 type of sanitary system i.e both vacuum system and gravity system. To determine the most effective of the sanitary system out of some sanitary system scenario design carried out by through both in technical and economical study. The result of both technical and economical analysis could be obtained the most effective of the sanitary system out of some sanitary system design that is a gravity toilet system equipped with holding tank and the overall cost of this design is amount 13.74% as compared with other design.

Keyword: passenger ship 2000 GT, vacuum toilet system, gravity toilet system