ABSTRACT

A ferry ship has to be in seaworthiness state. In which it has to be in able to overcame any possible danger when sailing. This can be reached if the ship complying safety regulation by equipping the ship with proper safety equipment. However, this safety aspects are often ignored by ship’s operator. This is because cost for accquering the safety aspects would be consideres to burden ship’s operation.

This final project aims to calculate the cost required to meet the safety aspects of ferry ships. Financing aspects of the ships’s safety in this final project is review from the costs that are relevant in decision making process. Technically, the costs are calculated based on the regulation related to safety equipments experiences a passenger ship. Benefit cost analysis (BCA) will be used to determine whether the compliances of the safety aspects is feasible.

Results of the analysis indicate that the safety aspect is feasible to be implemented. The value of benefit cost ratio, it is 1.25. It indicates that the benefits that would be reached is greater than the cost for complying safety aspects. The safety aspects can also avoid the loss that would occur when the ship applied to accident.

Key Words: Relevant Cost, Cost of Safety, Cost Benefit Analysis, Ferry Ship