

ABSTRAKSI

Rivo Marzyano, 2015, NIT. 47103879.T, “*Identifikasi Perawatan Fresh Water Generator di MV. Luzon Dengan Metode Hazard Operability*”, Diploma IV Programs, Semarang Merchant Marine Poltechnic, First Advisor: M. Chairul Djohansyah, ST,M.Mar.E dan Second Advisor: Haryono, SH, SS, MH.

Fresh water generator is one of the auxiliary machinery operational support vessel with producing fresh water to vaporize road in sea water on the evaporators evaporation of water in which the use of heat from the sea of fresh water cooler the machine. Because freshwater was basic needs for the purposes of us and accommodation of a ship .Considering the time needed to reach a port the purpose , to meet the needs of fresh water and fresh water generator must work optimally.

In order for component failure or damage can be prevented and the treatment can be done better, so in this paper, the authors use the approach of Hazop method. Hazop method is in order to analyzing the hazards and risks that happen in a system. Hazop method can be defined as system or form of assessment of a design or process with its goal of identifying and evaluating the problem that occurs in humans or components of the system.

From the research results, obtained using the Hazop risk level ratio of each component. Therefore maintenance and repair of all components need to be considered, it can be done by following the planning maintenance system that contained in each vessel that has been determined by the company based on instruction book, makers and company policy.

Keywords : *Fresh Water Generator*, *Hazop* method, maintenance