

ABSTRACT

Theo Isda Perwira, 2017, NIT: 49124555.T, "*Efforts to reduce the risk of accidents at work machine room MV. Johann Schulte with Fault Tree Analysis method*", Diploma Course IV, Merchant Marine Polytechnic Of Semarang, Supervisor I: H. Suwondo, MM, M.Mar.E, Supervisor II: Febria Sujarman, M.T

Workplace safety in the shipping world is very important because of the risk of accidents is very high. This is one program that made workers and the Vendor as well as prevents accidents. by recognizing the potential of workplace accidents and anticipatory measures in case of accidents. The goal is to create a safe workplace as low as possible so as to reduce the risk of accidents. To anticipate accidents crew especially on the engine, it must always stressed safety first in the work.

The rapid development of technology will certainly affect the safety problem. Countermeasures aircraft auxiliary and main diesel motor in the process or the operation and repair work on the ship, especially in the engine room. each course has positive and negative aspects. With so many new technologies, human easy job. But such changes also could have a negative impact on both workers and companies. particularly in terms of safety. Due to lack of skill of the crew aboard and awareness in workplace safety. Even less attention from the company looks of safety devices were inadequate.

The purpose of this study is to find out what causes of accidents crew. And any effort to prevent accidents in order to achieve a safe working process. And do not hinder the operation of the aircraft that were on the ship and not menghambat cruise ship. In the implementation of the identification can be obtained sources of danger and consequences, and the results can be used to look for alternatives so that repair work can be reduced accident (Zero Accident). Identification using Fault Tree Analysis is done based on the process and systematically observations made in the order process to investigate deviations that occur from the actual design which allows accidents.

Keywords: Safety of work and effort to prevent accidents.