

## ABSTRACTION

**Agus Winanto**, 49124648.T, 2017 "The importance of the implementation of Saturday Routine to support the safety crew in MV. Egs Wave with FTA Method", Program Diploma IV, Technical, Mercant Marine Politechnic of Semarang, Supervisor I: Mr. Abdi Seno, M.Si., M.Mar.E, and Supervisor II: Mr. Tony Santiko, S.ST., M.Si.

Saturday routine is a planned maintenance routine or schedule followed in the ship. In this routine, all the machinery and important control systems are maintained as per the routine chart. This is carried out for safe operation of the ship and this maintenance schedule will be inspected by the surveyor and by the port state control officers who visit the ships to carry out such inspection. If this planned maintenance schedule is found to have unaccounted for delays, or have not been carried out properly, the surveyor can even detain the ship in port.

The research was conducted during the writers implementing the practice of the sea in ships MV. Egs Wave. Source of the data obtained are primary data obtained directly from the research and secondary data obtained from the literature relating to the title of the thesis. The method used is to collect fault tree analysis method. It can help us find out the root problem with the fault tree and the basic way of logical thinking to help us determine the basis of the problem itself. The author collect data through observation, documentation and literature.

The reason why saturday routine activities inconsistent done in MV. Egs Wave is the weather that occurs in the ocean and the many activities onboard and the impact is machinist who will perform maintenance and checks on safety equipment, are not allowed because the weather is dangerous and can threaten their safety and other impacts are many preoccupations machinist who lead time required to perform saturday routine activities disrupted. As well as the efforts made to keep such activity still done is to conduct saturday routine at the moment not much activity on the ship and the effort that others are conducting saturday routine gradually so that these activities can walk normally.

**Keywords:** *Saturday routine, Safety, Fault tree.*