

ABSTRACT

Mohammad Handoko, 2018, NIT: 51145188.N, "*Crew Capability Assessment in Use of Portable Fire Extinguisher during Fire Drill Implementation on MV. Vinca*", Program Diploma IV, Nautical Department, Semarang Merchant Marine Polytechnic, Supervisor I: Capt. Dodik Widarbowo, M.T., M.Mar and Supervisor II: Adi Oktavianto, ST., MM

Prevention of fire is an effort that is done so as not to happen ignition of fire that is not controlled. Fire hazards may pose a danger to the safety of the soul or property. In the event of a fire hazard on the ship while the ship is carrying out a voyage on the ocean where the ship is sailing itself, only crew ship that can extinguish the fire because there is no ship around the ship. Therefore, every ship must carry out fire drill at least once a month fire drill, crew can be more familiar with fire extinguisher that aboard the MV. Vinca. With the holding of fire drill, crew able to increase the ability of crew in the use of fire extinguisher to support safety in working at sea. In reality there are still many crew who still do not know the type of fire extinguishers that are on board, especially how to use and in what circumstances how the tool is used.

Through the metode of data collection are by observation, structured interview, documentary study, literature research obtained data and then analyzed through Fault Tree Analysis (FTA) and Urgency, Seriousness, Growth (USG). Based on the results, it was identified that crew has a low ability in the use of portable fire extinguisher, due to the lack of knowledge and understanding about portable fire extinguisher, the crew is not serious in the implementation of fire drill and portable fire extinguisher is not proper to use because of lack regular maintenance.

So how to overcome the low ability of crew in the use of portable fire extinguisher on MV. Vinca are to provide guidance on the crew about the use of portable fire extinguisher and the types, crew must be serious in the implementation of fire drill and officer responsible for fire fighting equipment must carry out maintenance regularly.

Keywords: Ability, Portable fire extinguisher, crew, fire drill, FTA, USG