

ABSTRACTION

Rizal Fahri, 2018, NIT: 50134948.T, “*Identification of the Hydrant Pumping interference in MV. MERATUS MAMIRI*”, Technical Departement Thesis, Diploma IV program, Politeknik Ilmu Pelayaran Semarang, Lecture I: H. Suwondo, M.M, M.Mar.E., Lecture II: Irma Shinta Dewi, M.Pd

One of the main causes of accidents on board ships is fire, fires on board ships can be prevented by Fire Safety System code and carries required Fire Fighting Appliances approved by the concerned authority. This is more effective than using conventional appliances. As per regulation, a ship must have main fire pump and an emergency power pump of approved type and capacity. The location of the emergency fire pump must be outside the space where main fire pump is located. In fact when drill began in MV. MERATUS MAMIRI, the fire pump didn't work effective. As the result the pumps is influenced by another pump and made some trouble for the pump itself.

The good thing to restrict the destruction from the fire is Strength method, Opprtunity, Weakness, Threat (SWOT). In order to specify the integrity, comparing urgencies, and needs more material research. Furthermore the final data would be summarized into table and eqution, based on the organization structure. The main purpose doing observation, documentation, and literature review due to the collecting data and evidence about fire pumping.

As the result that has been done by the writer, we can conclude that the interference which is occurs in pump system who can't work effective are caused by two factor, 1) failure from the pump section. 2) There is air left inside. Furthermore, pump pressure decreased and intrude other machinery system. To overcome these problems, upgrading every spare part, operate the machine properly and do the routine maintenance for sea water system in hydrant pump and especially checking the part of the pump.

Key Words: : *Identification of the hydrant pumping, Impeller, SWOT*