ABSTRACT

Johan Markus Valentino Siregar, 2018, NIT: 51145122.N, "*Analyze Distributing Loading and Unloading Cargo Diesel Fuel in MT. Sinar Emas*", skripsi Nautical Study Program, Diploma IV Program, Politeknik Ilmu Pelayaran Semarang, Counselor I: Dr. Capt. Suwiyadi, M.Pd., M.Mar, Counselor II: H.Mustholiq, MM

The main objective of the voyage is to distribute the loading and unloading of *Diesel Fuel* in MT. Sinar Emas. In achieving these objectives can be determined from the preparations undertaken to distribute the aviation load, the amount of loaded and unloaded load, and the calculation of the difference in the amount of diesel fuel load dismantled.

The method used by the researchers to solve the problem is quantitative method with data analysis method of *Fishbone* and *Fault Tree Analysis (FTA)* to determine priority problem when distributing loading and unloading of cargo diesel fuel load so that you can find the solution of the problem.

From the calculation of the priority of the problem, the most influential distribution in the process of loading and unloading. Sources of data from this study came from the observation of handling cargo on board during the period of April 2017 until August 2017, then processed using *Microsoft excel*.

The results showed: the preparations taken by preparing, planning, communication, implementation, and evaluation. Large load of diesel fuel loaded and unloaded MT. Sinar Emas different in number at each loading port because of the amount of load required, the state of the tank, the load pipe, the evaporation and leakage.

From the results of the study can be concluded that at each port and area need different diesel fuel load with the same process and speed of unloading time in each port also vary.

Keywords: *Analyze, Distribution, Loading, Unloading*, *Diesel Fuel*