

ABSTRACT

Danang Setiawan, 2017, NIT: 49124441. N

“Analysis of causes bulk coal fires during the process of unloading in MV. Victory Union”, Final project paper of Nautika Study Program, Diploma IV Program, Semarang Merchant Marine Polytechnic, Lecturer counselor I: Capt. Arika Palapa, M.Si, M.Mar, and Lecturer counselor II: Achmad Wahyudiono, M.M, M.Mar.E

The background of the researcher chose the title of final project paper "Analysis of causes bulk coal fires during the process of unloading in MV. Victory Union "is because the problem only happen once during the researcher doing sea project for one year in the period August 2015 to August 2016. The researcher is interested in the problem about the cause of fire in the coal load and how to cope with it.

Research method that researcher use in this final project paper is a qualitative method with descriptive elements. By describing in detail the implementation of coal loading process to the discovery of cargo fires in MV. Victory Union. In determining the priority of the problem to be solved, the researcher uses an approach tool that is USG (Urgency, Seriousness, Growth) by giving score 1-5 on the causes of fire in MV. Victory Union. Sources of data from this study came from observation and documentation of voyage and interview on board during the period August 2015 to August 2016.

The results showed that the cause of fire on coal load in MV. Victory Union is the coal that will be loaded has been smoky the first time, the compacting process of cargo is not maximal, the hatch that can not be used and anchor for too long to wait for the unloading process. And the effort to overcome the fire the is the master should notify all crew about the nature of the load, always communicate with the land authority, cargo handling, also maintenance of the loading equipment which in this case is hatch cover that not working properly. So as to minimize the occurrence of bulk coal fires.

Keywords: Coal, cargo fires.