

ABSTRACT

Rudi Suifandi, 2017, NIT : 50134888.N, “*Optimalitation handling of spill oil on loading and unloading in MT. Medelin West*”, Thesis Nautical Department, Diploma IV Program, Merchant Marine Polytechnic of Semarang, the Supervisor I : Capt. Sidrotul Muntaha, M.Si, M.Mar., and the Supervisor II : Purwantono, S.Psi, M.Pd.

At this time the oil demand in every country that is active in development more increasing, so that the export and import of oil becomes the main sector. Such activity is often the factor of the incident of sea pollution. Based on the research conducted shows that, there are several factors that cause the incident of oil spills on the ship that is due to damage handling equipment, human error, mechanical error.

In the process of non-optimal Countermeasures of oil contamination, two problems be discovered by the authors are: the handling of oil spills that are not optimal on loading and unloading activities and training system for handling oil spills. Based on the problem the authors are interested to make a thesis with the title "optimization of oil pollution control on loading and unloading activities on board the MT. Medelin West".

In this thesis, the method used in doing research is the ultrasound method. Methods of collecting and drawing data using observation techniques, interviews, and documentation. While the discussion of this thesis using qualitative descriptive analysis techniques.

Based on the results of the study and it can be concluded that the incident of oil spills caused by not preparing SOPEP equipment near the manifold during loading and unloading, lack of oil pollution handling equipment, lack of crew understanding of the duties and responsibilities during the oil spill training properly. Problem solving is to prepare SOPEP equipment near manifold, procurement of oil spill handling equipment, implementation of safety meeting and carry out the procedure correctly.

The purpose of this research is to overcome oil pollution in loading and unloading activities in ship MT. Medelin West is more optimal.

Keyword : oil pollution, SOPEP equipment, oil spill handling