

ABSTRACT

Shaula Kamina Putera Bahari, NIT : 50134763.N, 2017 “*optimizing main deck maintenance againts corrosion on the MV. TSS Pioneer 5*”, Nautical Thesis, Diploma IV Program, Semarang Merchant Marine Polytechnic, Material Adviser (I): Dr. Capt. H. Wisnu Handoko, M. Sc. and as Methodologi and Writing Adviser (II): Tony Santiko S.ST M.Si.

Less realistic deck maintenance in erosion control can lead to the inhibition of operations or occupational safety. In relation to this, in this thesis, the writer tries to discuss the problem, namely, "optimizing main deck maintenance againts corrosion on the MV. TSS Pioneer 5". What equipment for main deck maintenance againts corrosion is sufficient, how much crew know about deck maintenance procedures againts corrosion and Exploit the use of supporting equipment, optimization efforts main deck maintenance.

In the theoretical grounds it concerns some of the material related to the title being taken. Among them are the definition of corrosion and maintenance procedures. To enhance understanding and crew knowledge in deck maintenace against corrosion in the ship.

In writing this thesis writer uses the ultrasound method as an investigation procedure that produces observative descriptive data in the form of written words from people and observable behaviors. The purpose of this study is to provide a systematic picture of a real situation in the optimization of deck maintenance on the MV. TSS Pioneer 5.

During the investigation, the writers found discovery among them in the deck treatment of erosion on the MV. TSS Pioneer 5, the obstacles faced by the lack of auxiliary equipment and its equipment and the lack of knowledge of the crew on the procedures of the cargo and the lack of crew skills in using the equipment. From the results of the study and the above discussion, it is concluded that the on-board treatment equipment is inadequate and the crew has not followed the procedure specified in the treatment of corrosion decompression.

The recommendation from the writer is that it is advisable that the equipment on board the vessel should be more noticeable than the availability, and the whole crew should increase the knowledge and skills on corrosion deceleration.

Key words : *Maintenace procedure, corrosion.*