

ABSTRACT

Achmad Royyan, NIT. 51145491.K, 2017 "*Analysis of Hopper Effectiveness on the Speed of Bulk Loading at Special Ports of PT. Semen Indonesia Tuban Branch*", Program Diploma IV, Port and Shipping Department, Merchant Marine Polytechnic of Semarang, Supervisor I: : Ir. Fitri Kensiwi, M.Pd and Supervisor II: Capt. I Kadek Laju, SH, MM, M.MAR

Hopper is one of the tools for loading and unloading on land which is used to unload bulk loads. With the increasingly crowded activities at the special port of PT Semen Indonesia at the Tuban branch, Hopper is expected to be able to improve the quality of increasingly crowded demolition activities. The purpose of this research is to find out the factors that influence Hopper in dismantling bulk cargo at a special port of PT. Semen Indonesia branch of Tuban, and to find out the effect caused by Hopper being ineffective in the demolition process at the special port of PT. Semen Indonesia at the tuban branch.

In this thesis, the research method used is quantitative descriptive research method which regulates a research method using several aspects such as data collection through observation, literature study, interviews, documentation, and discussion related to the numbers. In this thesis data analysis techniques use Strengths, Weaknesses, Opportunities, Threats (SWOT), so data collection is added with a questionnaire..

From the results of the study can be known factors that cause ineffectiveness of *Hopper* in the dismantling process at a special port PT. Semen Indonesia tuban branch. Among them are weather factors, old *Crane Hock Cycle time* (HCT), and a valve opening system that is manual. Based on the results of the study, PT. Varia Usaha Bahari branch Tuban made an effort to check the weather before and during the event, replacing the manual Hopper valve opening system to become hydraulic. Enactment of ship feasibility deterrence, so that HCT from ship *Cranes* does not slow down *Hopper* performance. Thus PT. Varia Usaha Bahari can improve bulk cargo demolition services at the Special Port of PT. Semen Indonesia branch of Tuban.

Keywords : Effectiveness, *Hopper*, *Hock Cycle Time* (HCT), Bulk Cargo.