

ABSTRACT

Dimaz Adhi Pratama, NIT : 50134840.N, 2017 "*Loading Operation of Copper Concentrate using Vessels's Crane in MV. Zaleha Fitrat*", Diploma IV, Nautical, Semarang Merchant Marine Polytechnic, First guide: Capt. Hadi Supriyono, M.M, M. Mar. second guide: Henny Wahyu W, M.Pd.

One reason of carrying loads with vessel is to carry loads through the sea fastly and safely to destination. Operational process of the ship depends on working condition of the vessel at the time loading process takes place. To ensure success of loading and unloading process, loading equipment is one of the important factors. At the time loading process from ship to ship using vessel's crane takes place, there is still a problem which is causing delays of loading process, caused by the lack of maintenance in loading equipment particularly vessel's crane. Certainly, this leads to discrepancy of loading process with loading principle. The authors intend to seek for solution of delays of loading process of copper concentrate using vessel's crane by correct countermeasures to overcome this problem, so that the same problem will not occur and loading process could run smoothly.

In this essay, the authors use qualitative method with USG (Urgency, Seriousness, Growth) Matrix approach where USG Matrix is a method to determine the priority of problems. There are three factors to be considered. Those three factors are urgency, seriousness and growth. USG method is one of methods to set problems' priority sequence with scoring technique. The way is to give scale to urgency, seriousness and growth from scale 1 to 5. A problem with the highest point is the problem with the highest priority.

From this research about Loading Operation of Copper Concentrate using Vessels's Crane in MV. Zaleha Fitrat, one thing could be concluded that the main factors which caused delays of copper concentrate loading process are lack of maintenance of wire, lack of maintenance of boom crane, and lack of skill in operating vessel's crane. While, efforts to make sure loading process runs successfully are to schedule maintenance of loading equipment, improve crew awareness to the importance of maintenance of loading maintenance, fulfill requisition of spare part from the shore, docking, and direct supervise of maintenance process by Chief Officer.

Keyword: Loading, Crane, USG Method