

## **ABSTRACT**

**FirmanAzisMaulana**, NIT : 50135086.K, 2017: “*COMPARATIVE ANALYSIS OF THE PRODUCTIVITY OF CARGODORING BY USING RTG AND ARTG IN SEMARANG CONTAINER TERMINAL*”, Mini Thesis Port and Shipping Department, Diploma IV Program, Merchant Marine Polytechnic of Semarang, Advisor I: Sri Purwantini, S.E, S.Pd., M.M, Advisor II: Dr. A. AgusTjahjono, M.M., M.Mar.E.

*Stacking container in container yards requires a capable tools to increase productivity in Semarang Container Terminal. Therefore, RTG and ARTG is used for the solution of stacking in the container yard. Each tools has its advantages and disadvantages. So, doing research on the comparative productivity of cargodoring by using RTG and ARTG in Semarang Container Terminal to discuss all the advantages and disadvantages of each tool. Then minimize all the disadvantages of the tool so it become an effective tool.*

*This research uses a qualitative method that produces descriptive. The collection of data through observation, interviews, documentation, and library studies. Data sources used are primary data and secondary data. The source of primary data obtained through field observation and interview with the linked in this research.*

*This research results obtained that to use RTG still used by manual, while using ARTG work system automatically is used. By using the ARTG, the operator simply monitors the activities of the cargodoring in the distance. It can be concluded that the ARTG is superior in terms of speed of activity cargodoring. This because the computer system using the ARTG is integrated with the existing cargodoring activities in the container yard.*

**Keywords:** *Productivity, RTG, ARTG.*