

## ABSTRACT

Dwi Prastya, 2018, NIT: 51145281 N, "Analysis Maneuvering of MV. Kartini Baruna in Misty Weather ", Thesis Department Nautika, Diploma IV Program, Polytechnic of Sailing Science Semarang. Lecture I: Capt. ALI IMRAN RITONGA, M.M., M.Mar, Lecturer II: OKVITA WAHYUNI, M.ST., MM.

Maneuver of a ship is an activity of mastering a ship either in a state of silence or movement to achieve the safe and efficient destination. When carrying out activities the weather conditions are unpredictable, whether the weather good or bad. In this case, research on motion in foggy weather was carried out on MV. Kartini Baruna.

Based on the background above, the writer formulated a number of issues, the first is what are the constraints caused by foggy weather during the implementation of shipbuilding and the second is what should be done to deal with foggy weather. The purpose of the research is to find out what are the obstacles caused by foggy weather during the implementation of the ship's motion and provide solutions about the efforts that should be done to overcome the obstacles that will be caused by the foggy weather. In this thesis, the research method used in the delivery is a descriptive research metrode using several aspects such as data collection, interviews and documentation. For data analysis techniques the author uses the Fishbone method or bone diagram and the Fault Tree Analysis method.

From the results of the study found several obstacles, including the damage to the machine, the lack of skilled officers and lack of knowledge, fog which caused limited visibility, and guard officers did not follow the rules. Based on the results of the research, it is advisable that guard officers must follow existing regulations such as fog signals or when visibility is limited, carry out a proper look out by using facilities and infrastructure to the full. In addition, there must be training about navigating so that the knowledge of a guard officer increases and the skills of guard officers become better so as to avoid the danger of navigation.

**Keywords:** Maneuver, weather, fog