ABSTRACT

Wihadma Dhanur Sholikhin, 2017, NIT: 49124432.N, "*Efforts to Maintain Position Work Barge COSL-221 When Conducting Sports Motion Delay In Offshore CNOOC SES Ltd Area On SV. Sk Capella*", Script, Nautical Department, Program Diploma IV, PIP Semarang.Pembimbing: (I) Capt. BUDI MANTORO, M.Si, M.Mar (II) LAKSMI SETYORINI, S.Pd., M.Si.

Navigation towing a specific activity performed by ships primarily supply AHTS vessels where the work is very risky and dangerous. These activities are usually carried out at the time will move the work barge or crane barge from the drilling location (platform) to another location. In processing motion AHTS vessel towing when there are several factors that greatly affect the navigation. In addition to these factors as important is how the exercise motion. From the things above authors raised the formulation of the problem to be addressed in this thesis is as follows, what are the factors to consider in the process of motion when towing vessel and how the navigation is needed in maintaining the position of the work barge.

This study used a qualitative descriptive method. Descriptive study aimed to explore what factors should be considered in processing motion when towing vessel and then look for a solution or an attempt to maintain the position of the work barge in order to delay running smoothly and safely. This study is also referred to as a qualitative method because the data collected and the analysis is more qualitative. Data collection methods used are literature, observation, documentation and interview.

From the formulation of the problem the authors conclude that the factors to be considered in the motion of the ship when the towing process there are two, namely, factors in: the form of the vessel, the type and power of the main engine, the type and vane type, leaf type and the type of steering, towing pin position and towing wire, and external factors: the state of the sea as well as the state of the waters. In addition to the above factors important thing to note is the ability and experience in working out the motion so that when the implementation will run smoothly.

Key words : *Efforts to maintain, position work barge, towing*