

## ***ABSTRACT***

**Kevin Adi Astono**, 49124355 N, 2017 “Analysis effect Musi Palembang river channel on Ship handling MT.PEMATANG”. Department of Nautical, Seamanship Polytechnic Semarang, Supervisor I : Capt.Moh.Aziz Rohman, M.M and Supervisor II : Ir. Fitri Kensiwi

In the process if the motion entered a narrow shipping channel or river, it takes a special skill and attention more than sailing on the high seas. Besides the problem of groove width and depth of the river, the busy traffic can also cause danger to the ship, such as the danger of collision and ran aground, Knowledge in processing the movement of ships need to be learned by officer or officer candidate in connection with his duties as an officer on board. Rework movement of ships can be interpreted as control of the ship, either at rest or moving as efficiently as possible with access to the means contained in the vessel such as engine, steering and others.

The theoretical basis used in this paper describes the effect occurring in the implementation of the navigation enters a narrow shipping channel to the control of the Musi river navigation MT.PEMATANG ship and anticipate obstacles to good factor from within and outside of the vessel at the time of exercise motion. The method used in this study is a qualitative method that produces descriptive data in the form of written words of the object under study, by approaching the object through interviews with sources who are experienced, through data related to the process if the motion into the river channel Musi on ships MT.PEMATANG.

Based on the results of research conducted in MT.PEMATANG, there are factors that can hinder the process of controlling the navigation when entering the groove of the Musi river from both inside and outside the ship, which include the ability of the navigation of the ship, the width of the river, water depth, tides and the influence of currents and wind. To overcome these things is a way to avoid restrictions that the set, doing good observations during the sail, and sail to a safe speed, so the purpose of navigating a safe, fast, and right can be realized.

*Key words: Ship handling, narrow chanel*