

ABSTRACT

Aditya Vira F, 2017, NIT : 50134769. N, “*Analysis of trim settings before entering the Mimika River in MV. Marina Star 3*”, essay of Nautical study program, Diploma IV, Politeknik Ilmu Pelayaran Semarang, 1st supervisor: Capt. Suherman, M.Mar 2nd supervisor: Yustina Sapan, S.ST, MM

Trim is a difference between bow draft and stern draft. Trim is used as a reference in determining UKC when the vessel is sailing in the waters, and as security in avoiding grounding when sailing. There are problems in the loading process that makes inappropriate trim condition when vessel is entering the shallow Mimika river, therefore it is necessary to do a good handling as an effort in avoiding the ship from the danger of grounding on the Mimika river. The way is implementing the trim configuration and the highest tide reference of the tide table book on the Mimika river.

Considering the importance of security when navigating in a narrow and shallow channel then the trim configuration should be done well, in this case the author uses the fenomenology method, where as this method is done by solving the problem in accordance with the experience at the time the author carried out the practice at sea.

By implementing the procedure, it is expected that the ship can avoid the grounding when entering the Mimika river So that loading and loading activities can run smoothly and the company does not suffer losses caused by disruption of ship operations. At the end of this section, the author present conclusions and suggestions.

Keywords: Draft, Trim, UKC, Fenomenology,