

## ABSTRACT

**Fajar Gemilang**, 2018, NIT: 51145148 N, “*Analysis of anchoring system to prevent anchor lost when dropping anchor in ship MV.DK01*” Nautical Department, Diploma IV Program, Merchant Marine Polytechnic of Semarang, 1<sup>st</sup> Supervisor: Capt. H.Moh.Aziz Rohman,M.M,M.Mar, 2<sup>nd</sup> Supervisor: Ir.Boedojo Wiwoho,S.J.,M.T

At the time of marine practice on board the MV. DK01, the author observed one problem while in Cilacap anchorage at the time the vessel manouvering to drop anchor, then in carrying out the task of standby forward that is on February 16, 2017 voyage from Taboneo, South Kalimantan to Cilacap, where the writer see cause of drop anchor failure as well as prevention efforts undertaken by master and crew during an emergency occurrence in regard to release of the left anchor on the author’s ship, and what are the strategies in the installation of anchor that has been lost by the crew of the ship and company conventionally. Therefore the authors choose the title “ANALYSIS OF ANCHORING SYSTEM TO PREVENT ANCHOR LOST WHEN DROPPING ANCHOR IN SHIP MV.DK01”.

The author uses a combined method of fault three analysis and U.S.G to describe the cases that occur on the ship that became the object of research and explain the efforts made to cope with the cause of drop anchor failure. Priority factors include the current weather conditions, speed of the ship, let go anchor without brakes, low human error, and the use of brakes when let go anchors. Efforts to overcome the failure of drop anchor by conducting the introduction and training to all deck crews on the implementation of anchoring procedures, their respective duties, and responsibilities, enhancing the function of officers in implementing weather news information, speed of vessel and routine maintenance of anchored and anchored equipment other support.

The conclusion of anchoring process when the drop anchor can run smoothly if all parties have more knowledge and understanding about anchoring system, understood and skilled in operating the equipment, can perform the function of officers in checking and maintenance of anchor tools by the crew of the ship regularly to keep in good condition and normal.

**Keywords:** *Drop Anchor Failure, open drop anchor*