

ABSTRACT

Adhitya Guntur Wibowo, 2018, NIT: 50134739. N, “Analysis of MV. Bernhard Schulte Maneuvering on Lightship Condition during Hurricane Matthew”, Nautical Department, Diploma IV Program, Merchant Marine Polytechnic Semarang, First Adviser: Dr. Capt. Suwiyadi, S.Pd., M.Mar., M.Pd., Second Adviser: Sri Murdiwati, S.Sos., M.Si.

Ship Maneuvering is one of important things in ship operation so the ship and the crew are safe in any weather condition, especially in Hurricane. This study aims to observe the maneuvering preparation done before facing Hurricane Matthew, and the correct maneuvers in lightship condition performed by MV.Bernhard Schulte officer to prevent six motion degree especially heavy rolling during Hurricane Matthew.

Maneuvering is an art based on a navigator's knowledge and experiences supported by understanding on maneuver's characteristics and limitation of a ship. Especially in lightship condition when there is no cargo and operated engine and liquid system is in normal operation level while facing Hurricane with 64knots or more speed of wind in North Atlantic and Eastern North Pacific during June to November.

The method used in this study was qualitative phenomenology design with observation results, questionnaires, interview, and literature study as the techniques of data gathering. The respondents were 19 PASIS ANT-I as references of taking decision with SWOT method.

The result shows (1) the preparation done before facing Hurricane Matthew (2) the ship maneuvering before, during, and after facing Hurricane Matthew considering the risks may occur.

The conclusion are (a) the preparation done were based on communication with company (b) the ship maneuvering was done with head seas, scudding, and lying-to in semi-circle navigable area (c) the use of waters topography as shelter and supporter of ship maneuvering.

Keywords: *maneuvering, hurricane, lightship.*