

ABSTRACT

Muhammad Reza Wardani, 2018, NIT: 50134882 N, “*Cargo Handling Management for Refrigerated Cargo Container on MV San Pedro Bridge*”, Program Diploma IV, Nautical, Merchant Marine Polytechnic of Semarang, Supervising I: Capt. Agus Hadi P, M.Mar and Supervising II: Ir. Fitri Kensiwi, M.Pd.

MV San Pedro Bridge is a cargo container vessel belongs to Bernhard Schulte Shipmanagement, it is shipping reefer container inter-island through the sea. Reefer container is a special container used for loaded chilled cargo and frozen cargo which are sensitive with temperature change. This container has electronic component and refrigeration system which are depending on electricity supply, the electricity generated by generator. Because of special requirement and handling skill, this kind of container has more expensive freight cost than normal container.

Author use descriptive qualitatif research method to deliver this thesis. In this research, author will explain the obstacle when reefer container loaded on the vessel. The problems that frequently happen in shipping reefer containers could lead to damaged cargo and rotten cargo. Based on the problems, author makes this research in purpose to review and find out the preparation before loading reefer container on board by the crew and to find out cargo handling and maintenance for reefer container on board MV San Pedro Bridge during voyage in order to avoid cargo claim.

Based on the results of research which has been done on the MV San Pedro Bridge from 3 February 2016 up to 7 December 2016, author concludes 1) Cargo handling for refrigerated cargo container before loaded on board should be done according to Bernhard Schulte Shipmanagement (BSM) Container Ship Manual, to make sure reefer container loaded safely and properly. 2) Make sure all connection and electricity supply sufficient, good communication and good team work among all parties (crew on board, charter, and shore), and daily routine to check all reefer container still work properly.

Keywords: reefer container, temperature, cargo claim