

ABSTRAKSI

Muhammad Habib Luksi, 2017, NIT: 49124453. N, "Pencegahan Pencemaran Minyak Pada Saat Bongkar Muat Di Atas Kapal MT. Bull Sulawesi, Pembimbing (I): Capt. Eko Murdiyanto, M. Pd., M. Mar (II) : Achmad Wahyudiono, M. M., M. Mar E

Proses pencegahan pencemaran minyak di kapal sampai saat ini belum optimal. Dengan dasar ini penulis merumuskan mengapa terjadi tumpahan minyak pada saat kegiatan bongkar muat dan mengapa pencegahan pencemaran minyak di MT Bull Sulawesi tidak optimal. Penelitian ini dilakukan pada saat praktek laut selama 12 bulan di MT. Bull Sulawesi, salah satu kapal *crude oil tanker* yang dioperasikan oleh PT. Gemilang Bina Lintas Tirta bagian dari PT. Berlian Laju Tanker. Metodologi yang digunakan adalah berupa pendekatan terhadap obyek observasi, wawancara dan data-data yang berhubungan dengan proses penanganan pencemaran minyak di kapal.

Berdasarkan hasil penelitian yang dilakukan kegiatan bongkar muat di kapal belum sesuai prosedur, ditemukan masalah yang menyebabkan terjadinya tumpahan minyak ketika bongkar muat yaitu kondisi *reducer manifold* yang tidak sesuai standar, *gasket manifold* yang sudah tidak layak pakai, dan PV valve yang macet ketika tekanan dalam tanki tinggi. *Maintenance* dan pengecekan berkala terhadap alat-alat ini harus dilakukan dengan benar agar proses bongkar muat berjalan lancar dan aman. Kemudian tindakan pencegahan pencemaran minyak di atas kapal juga belum optimal. Kondisi *oil spill equipment* yang tidak layak pakai, awak kapal kurang memahami tugas masing-masing yang tertera dalam SOPEP, awak kapal kurang disiplin dalam penanganan tumpahan minyak.

Dalam hal ini disimpulkan tindakan pencegahan pencemaran tumpahan minyak terkendala karena *oil spill equipment* tidak layak pakai, awak kapal kurang disiplin, kurang pemahaman dan penanganan yang tidak sesuai siji. Adapun saran penulis adalah pengadaan stok *oil spill equipment* baru, dengan demikian pelaksanaan proses bongkar muat dapat berjalan dengan lancar dan kecelakaan yang dapat mengakibatkan pencemaran dapat dihindarkan.

Kata kunci : Pencegahan, pencemaran minyak, proses bongkar muat.

ABSTRACT

Muhammad Habib Luksi, 2017, NIT: 49124453. N, "*Prevention Oil Pollution when Loading and Discharging on MT. Bull Sulawesi* ",
Supervisor (I): Capt. Eko Murdiyanto, M. Pd., M. Mar (II) : Achmad Wahyudiono, M. M., M. Mar E

In the process of prevention oil pollution on board was not optimal. On this basis the authors formulate why oil spilled was happened when loading and discharging and why oil spilled handle on MT. Bull Sulawesi was not optimal. This research was conducted while the sea project practice for 12 months in MT. Bull Sulawesi one of crude oil tanker ships which is operated by PT. Gemilang Bina Tirta Cross one section of PT. Berlian Laju. The methodology which is used in the form is approach to the object of observation, interviews and relating data to the handling of oil pollution in the ship.

Based on the results of research process of loading and discharging on board was not as procedure, it was found some problems of *reducer manifold* condition was not standart, *gasket* was not standart/broken, and PV valve was stucked when pressure in the tank was over. *Maintenance* and checking periodly must be done well for these devices. So that way, process loading and discharging will be safe and smoothly. Then, handling of oil pollution on MT. Bull Sulawesi also was not optimal because of oil spill equipment conditions were unfit for use, the crew did not understand each task listed in the SOPEP, lack of discipline in the handling of the oil spill.

In this case concluded handling of the oil spill contamination is constrained because of oil spill equipment was not suitable to be used, the crew lack of discipline, lack of understanding, treatment was not appropriate certificate. The advice from the author is procuring new stocks of oil spill equipment, and all crew must improve their awareness about their assignment as SOPEP. So process of loading and discharging will run smoothly and reduced accidents which caused by oil pollution.

Keywords: Prevention, oil pollution, loading and discharging.