

A STUDY TO DETERMINE THE FACTORS OF ILLEGAL OIL WASTE
DISPOSAL BY MERCHANT SHIPS IN STRAIT OF MALACCA

MUHD FARID MURSHIDI B. MUHD NOR

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By

MUHAMMAD FARID MURSHIDI BIN MD NOOR

Department of Nautical Science and Maritime Transportation

Faculty of Maritime Studies and Marine Science

Universiti Malaysia Terengganu

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ABSTRACT

In recent years, the issue of oil waste disposal and oil spills occurs more frequently reported in the Strait of Malacca. Therefore, it had adverse effects on the environment and marine life. Oil spills and oil waste dumping into the sea not only pollute the sea and the beach, but it can kill marine life and sea birds. Apart from that, it can disrupt the livelihoods of fishermen who depend on fishing in the sea. This research only focuses on the issues of waste oil disposal because this issue can be avoided if we are aware of the spread of the factors that led to the oil waste disposal by merchant ships that through the Straits of Malacca. The main objective of this study was to identify factors illegal oil waste disposal by merchant ships in the Straits of Malacca. The method used in this study is to use Microsoft Excel to identify the highest number that causes major cases of illegal waste oil goes along the Straits of Malacca. This study actually helps any plan to ensure the safety of the Straits of Malacca from marine pollution can affect marine life along the Straits of Malacca. . Lack of data from the maritime enforcement agencies makes it difficult to carry out a detailed study and comprehensive. Factors waste oil disposal comes from questionnaire survey. For future study, the acquisition of detailed data is necessary to obtain more specific factors and various, because it can help any security plan of the marine environment along the Straits of Malacca.

ABSTRAK

Sejak kebelakangan ini, isu pembuangan dan tumpahan sisa minyak semakin kerap dilaporkan berlaku di perairan Selat Melaka. Justeru itu, ia memberi kesan yang buruk terhadap alam sekitar dan hidupan marin. Tumpahan minyak dan pembuangan sisa minyak ke dalam laut bukan saja mencemarkan laut dan pantai, bahkan ia boleh membunuh hidupan marin dan burung laut. Selain daripada itu, ia boleh mengganggu mata pencarian nelayan yang bergantung kepada tangkapan ikan di laut. Kajian ini hanya menumpukan kepada isu pembuangan sisa minyak kerana isu ini boleh dicegah daripada berleluasa jika kita mengetahui faktor-faktor yang mendorong kepada pembuangan sisa minyak oleh kapal dagang yang melalui Selat Melaka. Objektif utama kajian ini adalah untuk mengenalpasti faktor-faktor pembuangan sisa minyak secara haram oleh kapal dagang di sepanjang Selat Melaka. Kaedah yang digunakan dalam kajian ini adalah dengan menggunakan Microsoft Excel untuk mengenalpasti nombor tertinggi pada faktor yang menjadi punca utama kes pembuangan sisa minyak secara haram berlaku di sepanjang Selat Melaka. Kajian ini sebenarnya membantu sebarang rancangan untuk memastikan keselamatan Selat Melaka dari pencemaran marin yang boleh memberi kesan kepada hidupan marin di sepanjang Selat Melaka. Kekurangan data daripada pihak agensi penguatkuasa maritim menyukarkan kajian dilakukan secara terperinci dan menyeluruh. Faktor-faktor pembuangan sisa minyak hanya diperolehi daripada kaji selidik. Untuk kajian masa hadapan, perolehan data yang terperinci perlu untuk memperoleh faktor yang lebih spesifik dan pelbagai, kerana ia dapat membantu sebarang rancangan keselamatan persekitaran marin sepanjang Selat Melaka.