

**ACCIDENTS AND NEAR MISSES AT NORTHPORT
(MALAYSIA) BERHAD WATER AREA**

By

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**Research Report Submitted in Partial Fulfillment of
The Requirement for the Degree of
Bachelor of Science (Nautical Science and Maritime Transportation)**

**Department of Nautical Science and Maritime Transportation
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DEPARTMENT OF NAUTICAL SCIENCE AND MARITIME
TRANSPORTATION
FACULTY OF MARITIME STUDIES AND MARINE SCIENCE

DECLARATION AND VERIFICATION REPORT
FINAL YEAR RESEARCH PROJECT

It is hereby declared and verified that this research report entitled:
Accidents and Near Misses at Northport (Malaysia) Berhad Water Area by
Syanurhadi Bin Arsat, Matric No. UK 15107, have been examined and all
errors identified have been corrected. This report is submitted to the
Department of Nautical Science and Maritime Transportation as partial
fulfillment towards obtaining the Degree of Bachelor of Science Nautical
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DECLARATION

I hereby declare this thesis entitled ACCIDENTS AND NEAR MISSES AT NORTHPORT (MALAYSIA) BERHAD WATER AREA is the result of my own research except as cited in the references.

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ABSTRACT

Northport (Malaysia) Berhad is one of the busiest ports in Malaysia. Northport (Malaysia) Berhad is located at Straits of Malacca, which is one of the busiest waterways in the world. Much has been talked about improving the safety and reduces number of accidents and near misses in Northport (Malaysia) Berhad water area. However, most often very few studies have investigated on the factors that contributing to accidents and near misses. This study was done in order to analyze and determine the factors that contribute to accidents and near misses at Northport (Malaysia) water area. Due to privacy that secure by Northport, it is hard for researcher to get the information about the accidents and near misses that happened at Northport water area. Data was collected from Marine Department at Northport (Malaysia) Berhad for analysis number of accidents and near misses within 8 years. For the results, factors that most contributing to accidents and near misses were human error followed by mechanical error and others error. This study also highlighted the actions taken after accidents and near misses happened.

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ABSTRAK

Northport (Malaysia) Berhad adalah salah satu pelabuhan tersibuk di Malaysia. Northport (Malaysia) Berhad terletak di perairan Selat Melaka, yang merupakan salah satu perairan tersibuk di dunia. Pelbagai usaha dan perkara telah dibincangkan dalam meningkatkan keselamatan dan mengurangkan jumlah kemalangan di kawasan perairan Northport (Malaysia) Berhad. Walaubagaimanapun kajian terhadap meneliti faktor-faktor yang menyumbang terhadap kemalangan adalah sangat terhad. Penelitian ini dilakukan untuk menganalisis dan menentukan faktor-faktor yang menyumbang terhadap kemalangan di kawasan perairan Northport (Malaysia) Berhad. Oleh kerana maklumat yang terhad dan prosuder yang diamalkan oleh Northport (Malaysia) Berhad, sukar bagi penyelidik untuk mendapatkan maklumat tentang kemalangan yang terjadi di kawasan perairan Northport (Malaysia) Berhad. Data dikumpulkan daripada Jabatan Merin di Northport (Malaysia) Berhad untuk jumlah analisis kemalangan dan hampir kepada kemalangan dalam jangka masa 8 tahun. Berdasarkan keputusan yang diperolehi, faktor yang paling menyumbang terhadap kemalangan dan hampir kepada kemalangan adalah berpunca dari manusia diikuti oleh kesalahan mekanikal dan kesalahan-kesalahan lain. Penyelidikan ini juga menentukan tindakan yang diambil selepas kemalangan dan hampir kepada kemalangan berlaku.