

THE OCCUPATIONAL ACCIDENT AND ITS  
RELATIONSHIP TO IMPLEMENTATION OF  
OCCUPATIONAL SAFETY AND HEALTH ACT  
(OSHA) AT KUALA TERENGGANU

NOR AZURA ADNAN

FACULTY OF MARITIME STUDIES AND  
MARINE SCIENCE  
UNIVERSITI MALAYSIA TERENGGANU

2012



THE OCCUPATIONAL ACCIDENT AND ITS RELATIONSHIP TO  
IMPLEMENTATION OF OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)  
AT KUALA TERENGGANU

NOR AZURA BINTI ADNAN

DEPARTMENT OF MARITIME TECHNOLOGY  
FACULTY OF MARITIME STUDIES AND MARINE SCIENCE  
UNIVERSITI MALAYSIA TERENGGANU

2012



**DECLARATION AND VERIFICATION REPORT  
FINAL YEAR RESEARCH PROJECT**

It is hereby declared and verified that this research report entitled: **The Occupational Accident and its Relationship to Implementation of Occupational Safety and Health Act (OSHA) at Kuala Terengganu** by **Nor Azura Binti Adnan**, Matric No. **UK 16997** have been examined and all errors identified have been corrected. This report is submitted to the Department of Maritime Technology as partial fulfillment towards obtaining the **Bachelor Degree of Applied Science (Maritime Technology)**, Faculty of Maritime Studies and Marine Science, Unitversiti Malaysia Terengganu.

Verified by:

Principal Supervisor

Name: **Assoc. Prof. Dr. Khalid B.**

**Samo** ASSOC. PROF. DR. KHALID SAMO PhD MIMarEST  
LECTURER & CO-ORDINATOR B.App.Sci (Maritime Technology)  
DEPARTMENT OF MARITIME TECHNOLOGY  
FACULTY OF MARITIME STUDIES AND MARINE SCIENCE  
UNIVERSITI MALAYSIA TERENGGANU (UMT)  
21030 KUALA TERENGGANU

Official Stamp:

Second Supervisor

Name: **Mr. Juhaizi B. Mohd Yusof**

**JUHAIZI MOHD YUSOF**  
PENSYARAH  
JABATAN PENGURUSAN MARITIM  
FAKULTI PENGAJIAN MARITIM DAN SAINS MARIN  
UNIVERSITI MALAYSIA TERENGGANU  
KUALA TERENGGANU

Official Stamp:

Date: 24/6/2012

Date: 24/6/12

Head of Department of Maritime Technology

Name: **Assoc. Prof. Dr. Mohammad Fadhli bin Ahmad**

Official stamp:

**ASSOC. PROF. DR. MOHAMMAD FADHLI AHMAD**  
HEAD  
DEPARTMENT OF MARITIME TECHNOLOGY  
FACULTY OF MARITIME STUDIES AND MARINE SCIENCE  
UNIVERSITI MALAYSIA TERENGGANU (UMT)  
21030 KUALA TERENGGANU

Date: 24/6/2012

## DECLARATION

I declare that this project report entitled “*The Occupational Accident and its Relationship to Implementation of Occupational Safety and Health Act (OSHA) at Kuala Terengganu*” is the result of my own research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree.

Signature :  .....

Name : Nor Azura Binti Adnan

Matric No. : UK16997

Date : 4 July 2012

## ACKNOWLEDGEMENTS

First of all, I would like to express my sincere appreciation to my project supervisor and co-supervisor, Assoc. Prof. Dr. Khalid bin Samo and Mr. Juhaizi bin Mohd Yusof of the Faculty of Maritime Studies and Science Marine, Universiti Malaysia Terengganu, for his generous advice, patience, guidance and encouragement during the years of my study.

I would like to express my sincere thanks to all the respondent and safety officers who generously spent their precious time to participate the interview of my project data collection and comment to my work. Their opinions and comments are useful indeed. My seniors and friends, who have provided assistance in arranging the interviews and at various occasions, also deserve my special thanks.

Finally, I am most thankful to my parents and family for their support and encouragement given to me unconditionally in taking this project report. Without the contribution of all those mentioned above, this work would not have been possible.

## **HUBUNGAN ANTARA KEMALANGAN DI TEMPAT KERJA DAN PELAKSANAAN AKTA KESELAMATAN DAN KESIHATAN (OSHA) DI KUALA TERENGGANU**

### **ABSTRAK**

Di Malaysia, industri pembinaan kapal telah diiktiraf sebagai salah satu faktor yang mendorong pembangunan ekonomi. Walau bagaimanapun, industri di Malaysia sendiri tidak tanpa negatif, ini kerana kadar kemalangan dan kadar kematian yang tinggi yang telah berlaku pada tapak pembinaan. Kajian ini akan membincangkan hubungan antara kemalangan di tempat kerja dan peraturan Keselamatan dan Kesihatan. Tujuan kajian ini adalah untuk menilai pelaksanaan OSHA dalam industri limbungan kapal, menentukan faktor utama yang menyumbang kepada kemalangan dan akhir sekali untuk menilai hubungan antara kemalangan di tempat kerja dan pelaksanaan Akta Keselamatan dan Kesihatan (OSHA). Kajian telah dijalankan di tapak pembinaan kapal di Kuala Terengganu. Kaedah yang digunakan dalam kajian ini ialah pengumpulan data, temu bual dengan pegawai keselamatan dan instrumen kajian. Data telah dianalisis dengan menggunakan Pakej Statistik untuk Sains Sosial (SPSS) termasuk statistik deskriptif dan kekerapan. Pada akhir kajian ini, hubungan antara kemalangan di tempat kerja dan pelaksanaan OSHA dapat ditentukan dan cadangan diberi sebagai rumusan daripada kajian ini. Segala cadangan yang diberikan amat berguna oleh syarikat pembinaan kapal dalam memperbaiki iklim keselamatan mereka di tapak pembinaan.

# **THE OCCUPATIONAL ACCIDENT AND ITS RELATIONSHIP TO IMPLEMENTATION OF OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AT KUALA TERENGGANU**

## **ABSTRACT**

In Malaysia, the ship construction industry has been recognized as one of the driving factors of economic development. However, the industry in Malaysia itself is not without its negativity, this due to its high rates of accident and fatalities incidence that have occurred on sites. This study will discuss the relationship between the occupational accident and the Occupational Safety and Health regulation. The aims of this study is to evaluate the implementation of OSHA in shipyard industry, to determine the major factor that contribute to an accident and lastly to assess relationships between the occupational accident and implementation of Occupational Safety and Health Act (OSHA). The studies were conducted at ship construction site in Kuala Terengganu. The methodology involves data collection, interview with the safety officer and survey instrument. Data was analyzed using Statistical Package for the Social Sciences (SPSS) and Microsoft Excel include descriptive statistic, frequency and percentage. At the end of the thesis, a relationship between occupation accident and OSHA implementation was highlighted and recommendations are given as a summary of this research. This will be useful by ship construction companies in improving their safety climate at site.