

APPLICATION COMPUTER SOFTWARE AND TECHNOLOGY AS
MEASUREMENT OF TERENGGANU'S
SHIPYARDS PERFORMANCE

NOR SUZELA ANUAR

FACULTY OF MARITIME STUDIES AND MARINE SCIENCE
UNIVERSITI MALAYSIA TERENGGANU

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APPLICATION COMPUTER SOFTWARE AND TECHNOLOGY AS
MEASUREMENT OF TERENGGANUS SHIPYARDS PERFORMANCE

By

Nor Suzela Binti Anuar

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Department of Maritime Technology
Faculty of Maritime Studies and Marine Science
UNIVERSITI MALAYSIA TERENGGANU

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

It is hereby declared and verified that this research report entitled:

**APPLICATION COMPUTER SOFTWARE AND TECHNOLOGY AS
 MEASUREMENT OF TERENGGANU'S SHIPYARDS PERFORMANCE**

by **NOR SUZELA BINTI ANUAR**, Matric No. **UK 18106** have been examined and all errors identified have been corrected. This report is submitted to the Department of Maritime Techonolgy as partial fulfillment towards obtaining the Degree of Applied Science (Maritime Technology), Faculty of Maritime Studies and Marine Science, Universiti Malaysia Terengganu.

Verified by:

Principal Supervisor

Name: Che Wan Mohd Noor B Che Wan Othman

Official stamp:

CHE WAN MOHD NOOR
 PENSYARAH
 JABATAN TEKNOLOGI MARITIM
 FAKULTI PENGAJIAN MARITIM DAN SAINS MARIN
 UNIVERSITI MALAYSIA TERENGGANU (U.M.T.)
 21030 KUALA TERENGGANU

Date: 20/6/2012

Second Supervisor

Name: Prof. Madya Dr. Khalid B. Samo

Official stamp:

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

Date: 20/6/2012

Head of Department of Maritime Technology

Name: Dr. Mohamad Fadhli B. Ahmad


Official stamp:

Date: 20/6/12

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

DECLARATION

I hereby declare that this thesis entitled Application Computer Software and Technology as Measurement of Terengganu's Shipyard Performance is the result of my own research except as cited in the references.

Signature : 
Name : NOR SUZELA BINTI ANUAR
Matrix No. : UK18106
Date : 20th June 2012

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PENGUNAAN PERISIAN KOMPUTER DAN TEKNOLOGI SEBAGAI TANDA ARAS KEPADA PRESTASI LIMBUNGAN KAPAL DI TERANGGANU

ABSTRAK

Pelan Induk Perindustrian Ketiga (IMP3) telah mengenal pasti industri pembinaan kapal sebagai satu industri strategik untuk pembangunan negara. Walau bagaimanapun, limbungan tempatan secara amnya, mempunyai keupayaan terhad dalam pembinaan dan pembaikan kapal, kebanyakannya terlibat dalam pembinaan kapal yang kecil dan murah. Limbungan tempatan berhadapan dengan pelbagai isu, termasuklah kekurangan pekerja yang berkelayakan, kos operasi yang tinggi, penggunaan teknologi yang rendah, penggunaan perisian komputer yang rendah dan persaingan sengit daripada limbungan di negara-negara seperti Vietnam dan Thailand. Untuk memastikan limbungan Malaysia lebih berdaya saing, beberapa aspek boleh difokuskan untuk meningkatkan keupayaan limbungan tempatan iaitu aplikasi perisian komputer dan teknologi yang dapat membantu untuk meningkatkan prestasi syarikat. Tujuan kajian ini adalah untuk mengenal pasti status penggunaan perisian komputer dan aplikasi teknologi dalam limbungan di Terengganu. Selain itu, prestasi status limbungan Terengganu juga telah dikenalpasti melalui projek yang telah disiapkan. Untuk mencapai matlamat kajian ini, tiga kaedah telah digunakan iaitu soal selidik, temu bual dan pemerhatian. Berdasarkan kajian yang telah dilakukan, penggunaan perisian komputer dan teknologi sangat tinggi tetapi malangnya penggunaan perisian teknikal dan teknologi yang maju amat jauh ketinggalan berbanding negara-negara membangun. Isu dan cadangan yang berkaitan kearah penambahbaikan penggunaan aplikasi perisian komputer dan teknologi dalam limbungan Terengganu juga diketengahkan.

APPLICATION COMPUTER SOFTWARE AND TECHNOLOGY AS MEASUREMENT OF TERENGGANU'S SHIPYARDS PERFORMANCE

ABSTRACT

Third industrial Master plan (IMP3) has identified shipbuilding industry as one of main strategic industry for countries development. However, local shipyards in general, have a limitation capabilities of shipbuilding and ship repairing, mostly specializing in low-value and small vessels. Local yards are confronted with many issues, including lack of qualified personal, high operational costs, low usage of technology, low application of computer software and face stiff competition from shipyards in countries such as Vietnam and Thailand. In order to make sure Malaysia's shipyards more competitive, some aspect was address in this research study, which are application computer software and technology in shipyards industry. Aims of this research is to identify status of computer software and technology application in Terengganu's shipyards. Beside, status performance of Terengganu's shipyards also was showed though project that have been done. To support aims of this research, three methods was applied which are questionnaire, interview and observation. Based on survey that have been done, computer software and technology application is consider as highly application but unfortunately technical software application and advance technologies application is still behind compares to develop countries. Moreover, an issue and recommendations that were related towards application computer software and technologies in Terengganu's shipyards are highlighted.