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Optimization of Johor port container terminal operation /
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OPTIMIZATION OF JOHOR PORT CONTAINER TERMINAL OPERATION

BY

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A Final Year Project report in partial fulfillment of the requirement for award of the
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DEPARTMENT OF NAUTICAL SCIENCE AND MARITIME TRANSPORTATION

FACULTY OF MARITIME STUDIES AND MARINE SCIENCE

UNIVERSITY MALAYSIA TERENGGANU

2011



**DEPARTMENT OF NAUTICAL SCIENCE AND MARITIME
TRANSPORTATION**

FACULTY OF MARITIME STUDIES AND MARINE SCIENCE

UNIVERSITI MALAYSIA TERENGGANU

DECLARATION AND VERIFICATION REPORT

FINAL YEAR RESEARCH PROJECT

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

Optimization of Johor Port Container Terminal Operation by Mohamad Zainoldin Bin Basiron, Matric No. UK 16201, 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 Science and Maritime Transportation, Faculty of Maritime Studies and Marine Science, Universiti Malaysia Terengganu.

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I hereby declare this thesis entitled Optimization of Johor Port Container Terminal Operation is the result of my own research except as cited in the references.

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ABSTRACT

This study presents the effect of globalization on development and performance of the container terminal on how to adapt them to meet the global demand. In particular, this study provides a perspective on the process of planning strategies to optimize container terminal with a stressed initial steps that need to be implemented (to study the effect of globalization on the container terminal, container terminal operations reviewed as a whole, reviewing the current state of Johor Port Container Terminal , review the methods and theories used by researchers in the past on optimize of container terminal, and review the methods and elements involved in measuring performance and effectiveness of container terminal) to optimize Johor Port Container Terminal in practice in the future. These things are very important and should be considered in the process of planning strategies to optimize container terminal.

ABSTRAK

Kajian ini membentangkan pengaruh perkembangan globalisasi terhadap pembangunan dan prestasi kontena terminal dan bagaimana kontena terminal dapat mengadaptasikan keadaan tersebut untuk memenuhi permintaan global. Secara khususnya, kajian ini memberi perspektif tentang proses merancang strategi-strategi untuk mengoptimumkan kontena terminal dengan menekankan langkah-langkah awal yang perlu dilaksanakan (mengkaji tentang pengaruh perkembangan globalisasi terhadap kontena terminal, mengkaji operasi kontena terminal secara keseluruhannya, mengkaji keadaan semasa Johor Port kontena terminal, mengkaji kaedah dan teori yang digunakan oleh para pengkaji yang lepas berkenaan mengoptimumkan kontena terminal, dan mengkaji kaedah serta elemen yang terlibat untuk mengukur prestasi dan keberkesanan kontena terminal) untuk mengoptimumkan Johor Port kontena terminal secara praktikalnya pada masa akan datang. Perkara-perkara tersebut adalah sangat penting dan perlu diambilkira dalam proses merancang strategi-strategi untuk mengoptimumkan kontena terminal.