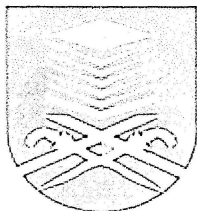# MATLAB MODELLING OF SIMPLE PROPULSION SYSTEM

This project thesis is presented in partial fulfillment for the award of the

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UNIVERSITI TEKNOLOGI MARA

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ABSTRACT

This paper presents the dynamic characteristic of electric propulsion systems and explains why these developments are economically and operationally desirable. It describes the application of electric motors and their converters into a ship's propulsion system and discusses the characteristics and attributes of each system's operation and control. Using the capability of Matlab/Simulink software, the dynamic characteristics of the induction machine will be analyzed. A Simulink model enables various operating characteristics of the propulsion system to be determined and analyzed particularly its dynamic characteristics during the starting period of the system. The main objective of this project is to study dynamic characteristic of Induction motor propulsion system.

TABLE OF CONTENTS

INTRODUCTION

CHAPTER 1

PROPULSION SYSTEM EVALUATION

CHAPTER 2

ELECTRICAL PROPULSION DRIVES

CHAPTER 3

SIMPLE PROPULSION SYSTEM MODEL USING MATLAB/SIMULINK

CHAPTER 4

SIMULATING RESULT AND DISCUSSION