



SIMULATION OF ENERGY EFFICIENT BUILDING USING ENERGY-10

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A thesis submitted in partial fulfilment of the requirements for the award
of Bachelor Engineering (Hons) (Mechanical)

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MARCH 2002

ACKNOWLEDGEMENT

I would like to express my sincere gratitude and appreciation to my supervisor, Prof. Dr. Azni Zain Ahmed, for her valuable guidance and advices in the duration of the thesis preparation until completion.

I also would like to express my appreciation to those who directly or indirectly assist me during the completion of this thesis.

ABSTRACT

The aim of this thesis project is to study the simulation of energy efficient building using computer software called *ENERGY-10*. The software we are using is the upgraded version 1.3.

The collected data from the selected buildings will be feed into this software application and the program will simulate the data and a proper result will be attained. In this study, the selected buildings are the Banquet Hall at INTEKMA Resort and Damai Apartment, both located in Shah Alam.

The results of the simulation will be compared with the existing energy used. There are also suggestions for changes on construction of the building and also the HVAC and Lighting system in order to create an Energy Efficient Building.

TABLE OF CONTENTS

CONTENTS		PAGE
	ACKNOWLEDGEMENT	i
	ABSTRACT	ii
	TABLE OF CONTENTS	iii
	LIST OF TABLES	vi
	LIST OF FIGURES	vii
CHAPTER I	INTRODUCTION	
	1.0 Energy efficiency	1
	1.1 Energy efficiency in Malaysia	2
	1.2 Objectives	4
CHAPTER II	APPROACHES TO CREATE ENERGY EFFICIENT BUILDING	
	2.0. Introduction	6
	2.1. Criteria for approaches to Energy Efficient Building	7
	2.2. Methods of approaches to Energy Efficient Building	8

CHAPTER III STUDIES OF ENERGY EFFICIENT BUILDING

3.0.	Introduction	11
3.1.	Process of Heat Transfer	11
3.2.	Conduction	12
3.3.	Convection	12
3.4.	Radiation	13
3.5.	Source of heat gain	13
3.6.	Solar radiation	13
3.7.	Direct solar radiation	13
3.8.	Transmission through building Envelope	14
3.9.	People, Lighting and Equipment in building	16
3.10.	Thermal Controls	16
3.11.	Passive Control	16
3.12.	Active Control	21

CHAPTER IV DESIGN AND ANALYSIS TOOL

4.0.	ENERGY-10	23
4.1.	Objectives	24
4.2.	Accuracy	24
4.3.	Suitability	24
4.4.	Energy-10 removes a major barrier to Energy Efficient Building design	25
4.5.	The special feature of Energy-10	26
4.6.	Using Energy-10	28
4.7.	Energy efficient strategy	33
4.8.	Weather data	34