



**AUTOMATIC FISH FEEDER**

**BAHARUDDIN BIN MAHARI**

**(2000416244)**

**SYAMSUL ASRI BIN CHIK**

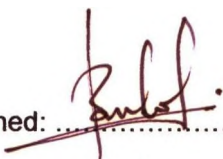
**(2000416610)**

**DIPLOMA OF MECHANICAL ENGINEERING**


**UNIVERSITI TEKNOLOGI MARA (UiTM)**

**OCTOBER 2003**

"We declared that this thesis is the result of our own work except the ideas and summaries which we have clarified their sources. The thesis has not been accepted for any Diploma and is not concurrently submitted in candidature of any Diploma"

Signed: .....  
Date: 8/10/2003.....

**Baharuddin Bin Mahari**  
UiTM No: 2000416244

Signed: .....  
Date: 08/10/2003.....

**Syamsul Asri Bin Chik**  
UiTM No: 2000416610

## **ACKNOWLEDGEMENT**

With the name of Allah s.w.t., most gracious and merciful. All the praises to Allah, The only God who creates all things that He wants, for giving us opportunity, strength and patience to accomplish this project report successfully. Project as this will not be accomplished without the faith, support, advise, criticism, and help from many people. We want to thank some of those people, as follows:

Our supervisor Mr. Mohd Rozalee Bin Abu Hassan who has been a great contributes to this project. His consultants are very much needed to realize this project. His endless guidance, constructive comments and criticism through out this project are very much appreciated and the greatest gratitude is for him.

Also thanks to all our friends, fellow course mate and housemate for sharing their idea and encouragement especially during crucial time.

Our parent and family for their support and encouragement in completing our study in MARA University of Technology (UiTM), Penang branch.

## **ABSTRACT**

Automatic Fish Feeder is design to easy the people to give a feed fish. This design is working automatically. The operation of this project is systematic and it's operate totally depend the timer. The timer can be set by user. After a time is set, it can be operating. The operation of Automatic Fish Feeder gives a constant quantity of food at the constant time. It is suitable for all types in the aquarium at home and not weight and all users can bring it anywhere. Hopeful this project can accept by anyone.

**TABLES OF CONTENTS**

<b>CONTENTS</b>	<b>PAGE</b>
PAGE TITLE	i
ACKNOWLEDGEMENT	ii
ABSTRACT	iii
TABLE OF CONTENTS	iv
LIST OF TABLES	vii
LIST OF FIGURES	viii
LIST OF ABBREVIATIONS	ix
<b>CHAPTER I INTRODUCTION</b>	
1.1 Background Of Project	1
1.2 Objective	2
1.3 Scope Of Project	3
1.4 Literature	4
<b>CHAPTER II DESIGN PROCESSES</b>	
2.1 Design Process In Theory	5
2.2 Problem Identification	7
2.3 Preliminary Ideas	7
2.3.1 Brainstorming Ideas	7
2.3.2 Synthesis	10
2.3.3 Description Of The Best Idea	11