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FINAL REPORT:

AUTOMATIC PET FEEDER

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ACKNOWLEDGEMENT

First of all, I would like to express my thankfulness and gratitude to Allah S.W.T who has given me all the strength that I needed to complete this final year project and also prepare this report.

I would like to express my warm thanks to the Faculty of Electrical and Elektronik Engineering generally, and especially to my supervisor PUAN NUR AFFIDA BINTI MT. ZIN for this help, advices and guidance that he gave during this project.

I am using this opportunity to express my gratitude to everyone who supported me throughout the course of this final year project. I am thankful for their aspiring guidance, invaluable constructive criticism and friendly advice during the project work. I am sincerely grateful to them for sharing their truthful and illuminating views on a number of issues related to the project. Last but no least, I am also indebted to my parents, a million of thanks to them because of their support to me with their prayer and their love and have given me the courage and wisdom to fulfill my final year project. Thank you.

ABSTRACT

Our aim for this project is to design and analysis a Automatic pet feeder is. A microcontroller is a high technology that can store and running the program. This project is about a food container that can feed pet twice a day without human observation by using the microcontroller Arduino uno software which can control the size of the automatic feeding machine door. The time for the door to open has been program earlier in the microcontroller. Therefore, we were plan to designed machine an automatic pet feeder with a simple design. A simple machine design we were used 4 empty box and cut it by follow a our design. After that, we use a hot glue gun for connect every cutting that already designed by using a knife and cutter. We also use a strong Sellotape for our empty box design. When we are already done a design with a complete strong machine,we decided to program a servo motor by using a arduino software. This is because we were planned a servo motor will rotate from 0 degree to 180 degree, if not we must create again a command of programming for servo motor untill it happen rotate from 0 degree untill 180 degree. After succesfully a program that we were created, we has put a food and a servo motor has rotate as follow from our program a food will flow through the output surface and our project has been success.

TABLE OF CONTENTS

ACKNOWLEDGEMENTS

ABSTRACT

LIST OF FIGURES	7
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CHAPTER 1 INTRODUCTION

1.1 Background of Study	8
1.2 Problem Statement.....	8
1.3 Objectives of Research	8
1.4 Scope of Study	9

CHAPTER 2 MATERIALS AND METHODS

2.1 Methodology	10
2.1.1 Design Flow Chart	11
2.2 Experimental setup	12
2.3 Equipment and Component	13

CHAPTER 1

INTRODUCTION

1.1 BACKGROUND OF STUDY

Automated pet feeder is one of the new technologies for feed pet. It will help pet owner to take care of their pet while they are not at home. Even the owners are not at home, they still can feed their pet. Automated pet feeder is built to help pet owner taking care of their pet. Automated pet feeder is one of the pet feeders that will be controlled by set up a timer as a we need time to give pet feed. The automated pet feeder will be automatically dispenses predetermined amounts of food at the exact times user choose with controlled by set up a timer.

As pet lovers, user should understand those pets also need a proper diet management. Sometimes, the responsibilities of life inhibit pet owners from properly caring for their pets. Whether user away from home unexpectedly or simply would like one less chore to worry about, user can feel secure that the beloved pet will be cared for and fed on time in every time when the owner not at home.