

UNIVERSITI TEKNOLOGI MARA

**DESIGN ANALYSIS AND
FABRICATION OF AUTOMATIC
CAT FEEDER**

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ABSTRACT

The project is an automatic cat feeder, it is a design mechanism that can feed cats anytime and anywhere. For cat owners, it is very hard to have time these days in their daily life and because of it their cats might not have a healthy lifestyle or will have illness. This is why the automatic cat feeder was developed. It is to make people with cats to have been eased and can always make their cats happy and full. An automatic pet feeder typically has a hopper for food that refills through gravity. Some automatic pet feeders may also be programmable to dispense the desired amount of food with each fill, and/or at times throughout the day, week or month. Additionally, this device can help perfect the exact amount of food you give to your pet. This can be very helpful when your pet is on adiet.[3]

Automatic pet feeders allow you to control the amount of time your pet waits in between meals, and it's a great way for cats on low-calorie or weight-loss diets to maintain their health while shedding pounds. It ensures that your furry friend is not over-eating, and some breeds of cats are prone to overeat more than others.[3]

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CHAPTER ONE INTRODUCTION

1.1 Background of Study

Many kinds of innovation and design are made by mankind. Engineering can be applied to many kinds of variation. Many people in the world have a pet. A pet is an animal that a person takes care of and cares for the animal with full of care as the animal is their own family. Mainly people have cats as their pets sometimes even dogs as well but any animal that you take care of is considered a pet. To be more specific, people with cats will always have to feed their cats every day. To ease the pet owner, an automatic pet feeder was introduced.[1]

An automatic pet feeder typically has a hooper for food that refills through gravity. Some automatic pet feeders may also be programmed to dispense the desired amount of food with each fill, and at particular times throughout the day, week, or month It dispenses food at a predetermined interval, in predetermined amounts, setting it up in advance so that the pet never has to go hungry, and always asks the owner to refill the bowl again and again. This is especially helpful for those owners who work long hours and cannot be home with their cats during the day.

The main reason to chose this innovative, cat feeder is to make cat owners do less work and ease them with my designed automatic cat feeder. If we manually give the cat food, it will take some of our daily time because a cat also needs to eat at least 2-3 times a day. The designed cat feeder can be programmed at any time that the owner wants.[1]It can be remotely controlled and can be set at any time that the owner wants. With this device, it can make the user use less work and energy, it will also make the user more at ease because their daily time will increase.