

UNIVERSITI TEKNOLOGI MARA

**DESIGN, ANALYSIS AND
FABRICATION OF AUTOMATIC
CAN CRUSHER MACHINE**

**NUR MELISA NATASHA BINTI FAIRUZ
ERWAN**

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ABSTRACT

People nowadays like to drink canned drinks because most of canned drinks are beverages and have various of interesting flavor. All the canned drinks lover will keep the aluminums can as it can be sold. Automatic can crusher machine can help them as if they do it manually using hammer or anything else, they might get injured. With this mini automatic can crusher, they just put the aluminums can easily and it will smash automatically. There also several advantages to owning an automated can crusher in a business setting. For starters, it makes the workplace safer and more attractive. Can crushers decrease the size of your garbage quickly, making a workplace more efficient and most importantly, safer. This crusher also will be created with the low costing budget as everyone are able to have their own especially beverages lover and at the mini recycle can center.

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CHAPTER ONE

INTRODUCTION

1.1 Background of Study

Cans are widely used in this era of globalization. Aluminum cans can be made with reused aluminum. Cans are the most reused drink compartment, at a pace of 69% around the world. Now-a-days, there are so many canned water and canned food. For example, sardine, margarine, beverages and many more. As all the new or used cans need more space to keep it. But people nowadays did do not know how to manage the used can and it is not easy for human to control the environmental pollution. Can Crusher help in human history to reduce the scrap volume of the cans.

Through times, numerous types of can crusher have been developed like manual can crusher which is there is no power supply and had to do it by self to function it. Then, the automatic can crusher is developed. The automatic can crusher is an improved version of the earlier machine which can function using power supply. Also, most of the electrical can crusher are in biggest size. So, it is difficult for people to have their own. But this project will create a new machine which is Automatic Can Crusher. It is more flexible for everyone to have their own.

1.2 Problem Statement

As the human population are increasing, the amount of trash also increasing. Can crusher be supposedly having an improvement from the old version, but it still has a deficiency in its design. One of the problems is the size of the Can Crusher is too large as it cannot be moving around easily. We need to lift it up using any mechanics or trollies. This is a serious problem as people who own this can crusher need to place this machine on one place only. They cannot move the machine to another places. So, it is necessity for us to create a new version of can crusher which is Automatic Can Crusher and obviously it