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**MEC299 FINAL YEAR PROJECT**

**TRASH CAN COMPACTOR**

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## **ABSTRACT**

Trash compactor is a type of home furniture purposely used for reducing the waste volume, thus saving space and reducing the frequency of taking out trash by compressing or compacting the object manually or automatically. In this case, this trash compactor is intended to be operate manually with minimum force from a person. The trash compactor is suitable to any daily user who deals with simple waste such as paper, plastic and etc. The methodologies used in this study are comparison between existing product on the market with the customer requirements and fabricate a design that can satisfy the objectives. The selected design, concept and materials then be combined into a final product.

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# **CHAPTER 1**

## **INTRODUCTION**

### **1. Introduction**

This paper has outlined the study done to create a trash compactor. The research methodology is reviewed, as well as related literature. They are presented and discussed together with the findings. A conclusion wraps up the essay.

#### **1.1 Background of Study**

Trash and litter can have a variety of negative effects on environment, including humans, wildlife, and natural resources. All of this, taken together, has the potential to affect the entire planet and way of life. Ecology system can be harmed when waste is disposed of in dangerous ways.

On the other hand, waste pollution is concentrated predominantly in high-density people locations such as cities, offices, and universities. There should be a set schedule for trash collection and delivery to the landfill. However, this can occasionally be insufficient, resulting in trash overflow, which can become a severe problem if not addressed. That brings to the project's goal, to drastically minimize the amount of waste generated. This project is aims for people who work with plastic, paper, or other simple materials on a daily basis.