

**UNIVERSITI TEKNOLOGI MARA**

**MINI MOVEABLE GROCERY  
BASKET**

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Dissertation submitted in partial fulfillment  
of the requirements for the degree of  
**Diploma**  
**(Mechanical Engineering)**

**College of Engineering**

**March 2022**

## **ABSTRACT**

This report explains about the mini moveable grocery basket, which is a product created for the use of society. The machine will help to ease people life and reduce back injuries. The idea was found during the weekend while looking outside and saw an old lady carrying a lot of groceries. Research has been done that an old person back might get hurt due to the weight. The idea itself is to help people bring their groceries inside easily. For this project methodology, hollow steel is used for the structure of the moveable basket. A pulley system and a rope or thread that is strong enough to pull the basket when it is loaded and is used for lifting mechanism. The product is eco-friendly and easy to be used and stored. The products marketing will benefit the society, especially the elderly and the adults.

## **ACKNOWLEDGEMENT**

Firstly, I just want to say that I am so grateful that I am given the time and opportunity to experience such an amazing journey to achieve my diploma as well as completing this long and challenging project. I would like to thank my supervisor Dr Abdul Hadi Abdol Rahim for helping me with my project from the very start of MEC299 until MEC300.

Finally, I would like to dedicate this project to my parents, because without their never-ending support and prayer I would never be where I am now. I dedicate this achievement to both my parents and my supervisor. Alhamdulillah.

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## CHAPTER TWO

### LITERATURE REVIEW

Literature review basically means search and evaluate based on the source around the topic or subject that we choose [2]. In other words, literature review shows the full capability of your project by showing limitation on theories and information based on the current knowledge. By doing literature review, you are showing your own capability on handling your project.

#### 2.1 Grocery Carts or Shopping Carts

Grocery or shopping carts are carts that have been invented for the purpose of carrying your grocery with you. The first cart was introduced in 1936 by Sylvan Goldman and Fred Young who is a young mechanic [6].



Figure 2.1: First grocery or shopping cart [6]

Figure 2.1 shows an example of the first ever grocery cart. The idea arose when shopping got bigger and heavier in 1934 and people continued to shop using hand baskets [6]. Canned food just got introduced and increased in numbers from time to time. The first time Goldman create the cart, people just cannot accept just because it is