

**UNIVERSITI TEKNOLOGI MARA**

**DEVELOPMENT OF AN  
AUTOMATED BBQ GRILL**

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## **ABSTRACT**

This project is about the design and fabrication of the Automated BBQ Griller for the public to use. The problem with the existing BBQ Griller is that they don't have the adjustable height for the coal tray for user to control the flame that they wanted to. Consumers need a lot of energy to cook their meat as they don't automated skewer. The objective of this project is to lessen workload for the consumer and save time for them rather than waiting. The DC motor is used to rotate the skewer for the meat.

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# CHAPTER ONE

## INTRODUCTION

### 1.1 Background of Study

Food sometime takes a long time to cook. For example, meat, chicken, or food that contain bone are mostly takes time to cook [1]. This is when automated BBQ griller comes in place where it has automated skewer where you can put your food to grill on that skewer and leave it be without any worries. It will keep rolling until you stop it. Then there is also griller for food like sausage, meat, other than the use of the skewer.

### 1.2 Problem Statement

- a) One of the problems that have been identified is most of the consumer usually stay or wait on the griller.
- b) Most of the BBQ Griller that are available currently in the market cannot control the height of the coal tray.

### 1.3 Objectives

The main objectives of this project are:

- a) To fabricate an item that can be used in restaurant and households which have skewer and griller in one product.
- b) To design a product that can cut expenses and to reduce workload and can help consumer to multitask.
- c) To fabricate and BBQ griller that has a skewer.

### 1.4 Scope of Study

The scope of study for this project are: