INTRODUCTION

CHAPTER 1

1.1 Project Title

The title of this project is “Design and Fabricate Portable Outdoor Kitchen for Outdoor Activities”. Fabrication of the foldable table is concern to portability, strength and user friendly. New concept requires improving function and portability.

1.2 Project Synopsis

This project is Design and Fabricate Portable Kitchen for Outdoor Use. The project involves processes to design and fabricate Portable Outdoor Kitchen for Outdoor Use. The fabrication of this product concern mainly on the strength, durability, easy and more function of the portable kitchen. The kitchen is designed to solve difficulty to bring anywhere and function. In addition, modification is made to solve the problem. Also, acquire the skills of design, analysis and fabrication.

1.3 Project Background

At this moment, portable kitchen is rarely been seen that have the portability and function. Most of the market available product only serve one function and
always large in size. This project is serve 2 in 1 function and have the desired portability.

We know that kids’ today even adults’ loves outdoor activities and the demand for more innovation of cooking stoves is needed. This product is designed to be portable as to make the product can be carried alone as most other product require a bag. Different manufacturer had produced different kind of shape and function but the problem still exist.

Portable kitchen is a cook ware that can be carried from one place to another with ease. This project carry method is as same as a bag. It is very useful for outdoor activities and also picnic. However to have more function means to reduce appearances.

1.4 Project Objectives

Project objective divide by two. It is general objective and specific objective for the title of the project.

1.4.1 General Objective

Diploma final years project objective is to practice the knowledge and skills of the student that have been gathered before in solving problem using academic research to born an engineer that have enough skill, This project also important to train and increase the student capability to get knowledge, research, data gathering, analysis making and then solve a problem by researching of scientific research.

The project also will educate the student in communication like in presentation and educate them to define their research in presentation. The project also will generate students that have capability to make a good research report in
thesis form or technical writing. This project also can produce and train student to capable of doing work with minimal supervisory and more independent in searching, detailing and expanding the experience and knowledge.

Nevertheless this project is also important to generate and increase interest in research work field.

### 1.4.2 Specific Project Objective

The objective for this project is:

(i) To produce the product that can be utilized as kitchen for outdoor activities.

(ii) To fabricate and introduce the new concepts and ideas for future prospect of portable kitchen.

(iii) To produce portable kitchen that can be used anywhere.

### 1.5 Problem Statement

Nowadays people are facing problem while the need to bring kitchen from one place to another and need more space when store with other thing. Thus, with the development of this portable kitchen, it hope that it can contribute to give ideas how to solve problem about space to store and bring one place to another and have more function.

### 1.6 Project Scope

The project scope of this project is to:

(i) Design a portable, lightweight and user friendly kitchen.