Universiti Teknologi MARA

Hunger No More: A Food Donation Platform Using Mobile Application

Qairunnisa binti Mohd Khairi

**Thesis submitted in fulfilment of the requirements
for Bachelor of Computer Science (Hons.)
Netcentric Computing
Faculty of Computer and Mathematical Sciences**

AUGUST 2021

ACKNOWLEDGEMENT

ABSTRACT

No More Hunger is a food donation mobile application platform for android user. This mobile application is developed to allow the donator to donate their excess edible to others. This mobile application can reduce the amount of food waste in Malaysia as the increasing number of food waste year by year are rapidly increasing. Every day, most people does not aware how much food they throw away, from uneaten leftover to spoil produce. Many people tend to throw away their excess food even though it is still edible and perfectly fine. Using this mobile application, it allows the donator to donate the excess edible food. Other than that, the methodology used to develop this project is Agile Model Methodology. Agile Model consists of 5 phases which is requirements, design, develop, test and followed by deploy phase. Aside from donating food, users may also register as runners, who can view the donated food as well as the donor's contact information, such as phone number and address. To pick up the food, the runner must contact donator first.

TABLE OF CONTENTS

CONTENT   **PAGE**

CHAPTER 1: INTRODUCTION

CHAPTER 2: LITERATUE REVIEW

CHAPTER 1

INTRODUCTION

1.1 Background of Study

One of the basic needs of human life is food. Food is a basic important need because it can provide energy and nutrients to human body for normal growth and development. To maintain a healthy life and prevent diseases, food plays an important role in our lives as food also necessary for physical and mental growth (The Scientific World, 2018). In addition, when we are eating well, it is like a form of self-care as food can provide the need to body and mind growth (Nicholls, 2019). Barnes & Todd (2020) stated that when we skipped a meal, our body will indicate low blood sugar and drop of energy level that makes our body started to run slow on its immediate glucose supply.

On the other hand, as the number of foods being produced increases, more food is being wasted due to the world population becomes more urbanized. Eris (2020) stated that wastage takes place throughout the food production chain as from the factory to transportation followed by restaurants or supermarkets and to our fridges. Despite of that, the cost of living rapidly increasing year by year, more people are struggling to get access sufficient food. According to Bantone (2020), cost of living is defined as an amount of money required to cover the basic daily or monthly expenses such as housing, food, taxes, and healthcare. Potential vulnerable group of individuals that facing food insecurity is university students (Ismail S., Sidek S., Rahman A. R., 2019). This is supported by a survey conducted by Muslim Volunteer Malaysia Association (2017), more than half of the respondents that equivalent to 25632 students from six public universities in Malaysia cannot afford to spend RM5 a day on food.