

**Universiti Teknologi MARA**

**The Mobile Development of Malaysian  
Local Fruits Learning Games**

**Zalikha binti Abdul Wahid**

**Thesis submitted in fulfillment of the requirements for  
Bachelor of Information Technology (Hons.)  
Faculty of Computer and Mathematical Sciences**

**January 2015**

## **ACKNOWLEDGEMENT**

Alhamdulillah, praise and thank to Allah because of His Almighty and His utmost blessings, I was able to finish this research within the time duration given. Firstly, my special thanks go to my supervisor, Puan Nor Diana binti Ahmad for the valuable guidance and advice. He inspired me greatly to complete this thesis. I also want to thanks my lecturer who has taught CSP650 for help and guidance, Puan Rozianawaty binti Osman

Special appreciation also goes to my beloved parents Abdul Wahid bin Sahat and Radin Hasimah binti Radin Hassan for their support during my hard times especially while I am completing this project and always pray for my success.

Last but not least, I would like to give my gratitude to my dearest friends for their help and encouragement for me in order to complete this thesis.

## **ABSTRACT**

In Malaysia, there are a lot of local fruits can be found. Some of them come in seasons and some come in all year round. There are easy to get when the fruits season come and the taste is very juicy and delicious. Nowadays, children have learned about fruits but in syllabus at the school they are not focusing on local fruits in Malaysia. The children do not know which one are our local fruits. There are one method have been used to develop this application which is a survey. Survey method are divided into two categories which are interview and questionnaire. From the questionnaire conducted it can be concluded that majority of the student did not recognize which one is Malaysian local fruits. Furthermore, in this era children do not interested learning from flash card because of the extensive use of technology such as a smartphone and computer. To overcome this problem, Malaysian Local Fruits Learning Games is develop using mobile platform. Besides learning, three educational games are developed for children to learn and have fun. Combination of multimedia elements such as sound, image and text in learning makes the children more focus on what they are learning. It also will give a more positive impact to the children to know which one is a local fruits in Malaysia. This application is developed for children age six years old. Future works suggested are add more educational games into the application so user can learn and play the games to gain the knowledge.

## TABLE OF CONTENTS

<b>CONTENTS</b>	<b>PAGE</b>
<b>SUPERVISOR'S APPROVAL</b>	ii
<b>STUDENT'S DECLARATION</b>	iii
<b>ACKNOWLEDGEMENT</b>	iv
<b>ABSTRACT</b>	v
<b>TABLE OF CONTENTS</b>	vi
<b>LIST OF FIGURE</b>	ix
<b>LIST OF TABLES</b>	xi
 <b>CHAPTER ONE: INTRODUCTION</b>	
1.1 Research Background	1
1.2 Problem Statement	4
1.3 Research Question	5
1.4 Research Objective	5
1.5 Project Scope	5
1.6 Research Significance	6
1.7 Outline	6

# CHAPTER 1

## INTRODUCTION

In this first chapter, this chapter provides the general view of the research background and discusses about problem statement, research question, and objective of project, scope of project and significance of the project. Research background describes the overview of the issue that is being discussed in this research. The problem statement is the current issue which needs to be addressed and solved. The objective of this project is the statement which describes what the project is trying to achieve. The scope of the project states the target of the research. Lastly, the significance of study assumes that what the project aims for is successfully achieve.

### 1.1 Research Background

According to Fair Children Garden (2014), in the scientific fruit means plant life that contains seeds from a fertilization ovary. Therefore, many vegetables can be consider as fruits. Example like tomatoes, cucumbers, beans, peas, peppercorn, eggplant and squash are all fruits. Tomatoes or peaches can be fleshy fruits or dry like cocoa palm or peanuts. Watermelon, melon tree and tomatoes have many seminal fluids in them while avocados, cherry and almonds only have one seed. Besides that, they also can be very large and big example like pineapples, jackfruits and pumpkins and sometimes very small like grape and blueberries.

There are a lot of local fruits can be found in Malaysia. Some of them come in seasons and some come in all year round. There are easy to get when the