

Universiti Teknologi MARA

**ONLINE-ONSITE MOBILE
APPLICATION FOR STREET FOOD
VENDOR**

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ABSTRACT

Nowadays, accessing to location information of street food vendor and restaurants nearby customer places through smartphone can be done and the usage of it keeps increasing. Currently, the concept of mobile apps for street food vendors throughout Malaysia was only focused to food truck and also restaurant which provide delivery services. The street food vendors was not have specific location which make customer unaware the existence of the hawker near their places. This project used HTML, Harversine Formula, Doubly Linked List, database, CSS, JavaScript, Ionic Framework and Google Maps to measure the distance and update the location information of hawkers. The project assessment was verified by testing the accuracy of the hawker's location near customer. To verified the accuracy of location assessments have been evaluated in certain districts within Seksyen 2 and Seksyen 7 Shah Alam. The project was tested with the distance 5km and added 10 hawkers. The result was the functionality testing using this mobile app was functional in device of customer and hawker. The importance of this project can help hawkers to disseminate information through customer. In addition, notifications to closed the location have been added in this application to alert hawkers, if they want to closed their business during that day.

TABLE OF CONTENTS

CONTENT	PAGE
SUPERVISOR APPROVAL	ii
STUDENT DECLARATION	iii
ACKNOWLEDGEMENT	iv
ABSTRACT	v
TABLE OF CONTENTS	vi
LIST OF FIGURES	x
LIST OF TABLES	xii
LIST OF ABBREVIATIONS	xiii
CHAPTER ONE: INTRODUCTION	
1.0 Introduction	1
1.1 Background of Study	1
1.2 Problem Statement	2
1.3 Research Question	3
1.4 Research Objectives	3
1.5 Research Scope	3
1.6 Research Significance	4
CHAPTER TWO: LITERATURE REVIEW	
2.0 Introduction	5
2.1 Street Food Vendors'	5

CHAPTER 1

INTRODUCTION

1.1 Background

In the 21st century, millions of people in developing countries are currently engaging in small-scale business activities. Bhowmik (2005) state that on his study the street vending is defined as the type of informal business because the goods is a method of choice for conducting small scale business as it is perceives to be non-permanent hence can easily maneuverer local authority regulating.

Street vendors are also referred as peddlers, street traders, or hawkers. The street vendors are selling different goods such as fruits, stationeries, clothes, drinking water, food and the home appliances. The basic objective in all businesses is to sell goods or services in order to generate income or profit (Wongtada, 2014). People that are less skilled, with low income, and cannot secure job in formal sector undertake the informal business such as street vendor.

The common informal business retail of the most cities in growing countries is street food vending. Street food vendors' are mobile. While they station their cart in specific location, these street vendors may move their cart when needed or desired. Street food is defined as ready-made food sold on time via portable street cart or outlet such as food truck, or food booth. The street food also provides low cost meal for consumers. The availability of local street food vendor can be vital for local economic activities. As the platform is, an avenue for poor people to earn a living it cannot be totally dismissed. Moreover, technology need to be advantages to help street food vendors compete with