

Universiti Teknologi MARA

**MOTORCYCLE WORKSHOP FINDER MOBILE
APPLICATION FOR CENTRAL SHAH ALAM**

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ABSTRACT

Motorcycle Workshop Finder Mobile Application For Central Shah Alam is a development of mobile application which will be used by motorcycle user. It was observed that the motorcycles user having problem to find workshop according to their interest. The motorcycle user tend to go workshop that not provide suitable services for their motorcycles. In addition, the services price may a bit higher than they expected. The objective of the project is to give information and location regarding the workshop. Other than that, the purpose of the project is to evaluate the functionality of this mobile application that helps to motorcycle user find suitable workshop with their services. Using the Agile Methodology as the development methodology that contributes in developing mobile application to represent core techniques gather and analyse those requirements. The SQLite Database is used for the database and the Android Studio Framework for the development of the mobile application. In the other hand, Google maps API is used to support the need of location of workshop. As conclusion, this project can be used by motorcycle user to find the workshop that is nearby, suitable service and provided location and information

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CHAPTER 1

1.0) Introduction

This chapter describes about geolocation-Based mobile application which become a phenomenon in this modern world. The number of mobile applications that use geolocation service increase every day to provide services in order to solve human problem in this era where mobile become a need for every people. Many people having problem to find the nearby motorcycle workshop and to find workshop that provide suitable service for their motorcycle. An initiative was taken to design a mobile application that uses geolocation that can display the direction and services that is provide by a workshop. This system will help user to find suitable motorcycle workshop nearby according to their needs. The workshop finder mobile application only cover the area central Shah Alam

1.1)Project Background

Nowadays, vehicle workshop have become a need in this modern world. Workshop are being open everywhere by businessmen and the number of motorcar mechanics also increasing. The number of workshop increasing including motorcycle, car, lorry and etc shows that the rate of motorcar production increases as well as the the number of user of motorcar also increases. Every people have their own vehicle have become normal in nowadays because vehicle in needed to travel to a far away place, help save time travelling, and also can carries heavy goods. Motorcar workshop are becoming essential along with the rising number of motocar. The reason for that statement are the more the motocar available the more workshop must be there in order to support the maintenance of those motocar. Statistics also shows that at least 10 000 000 vehicles are being produce in a year by an advanced country such as German, China and USA.

The number of workshop is increasing helps may provide occupation for their locals. University, education college and other learning organization are providing lesson regarding to motorcar mechanics which help to support the motorcar workshop business along with to decrease the rate of unemployment in a country. The technology that being used in motorcar maintenance are becoming more advances which make the task more easier to be done by anyone. New small workshop that want to start business in motorcar maintenance workshop