

UNIVERSITI TEKNOLOGI MARA MALAYSIA

**ANDROID APPLICATION:
FSKM for ANDROID**

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Peace and blessings of Allah be upon Prophet Muhammad.*

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Sincerely,

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ABSTRACT

In this era of modernization of mobile technology, the world have experience a rapid changes in the evolutionary of the mobile devices. The technology started with the invention of telephone in the early decades and few years later, a portable phone was invented. Staffs who works at the academic affair in Faculty of Science Computer and Mathematics always facing the same questions by the students to let them know the FSKM directories even the answer is provided in the Faculty of Science Computer and Mathematics website. The goal of this development is to analyze the requirement of the android application in Faculty of Science Computer and Mathematics (FSKM), the user interfaces for android application for FSKM and develop a mobile application using android to be use in finding information through FSKM website without the use of the internet connection. Rapid Application Development (RAD) is used as a medium of procedure in developing the application. The development of the smart phone makes the phone multifunction and the needs of the internet plan for mobile become less use as the connection can be made by using free wireless. The implication is shown as the development is just focused on the web service of FSKM, and it only restrict to the FSKM students to use it. Others who use it become useless for them. The development of this application for android includes preliminary survey and the final acceptance testing module. This application is still at the initial phase which 50 students will be tested out the prototype themselves. Hence, the purpose of this project is not only to archive the objectives but also to prove that this application is to show that, by using smart phone especially in an Android platform every web services or web based development can be implemented in a single application that is useful to use in daily life.

Chapter 1

Research Overview

1.0 Introduction

In this telecommunications era, smart phones and tablets are becoming more important today. In 2007, sales of smart phones surpassed the sales of laptops, some prediction been made assume that more people will browse the Internet by phone than from traditional computers by 2014 (Joshua, 2010). With the multiple feature and specification has been uncovered to give better serve for the mankind. With the development of the mobile platform especially Google Android in the year 2009, it has given a new path for the developers to establish and innovate the mobile technology into a more convenient and reliable environment. With the flexibility of the mobile Android platforms, it is possible to build any forms of application includes the application of a web services or a web based services by using phoneGap.

According to phoneGap official website, the phoneGap is an open source framework which is used for a quick development in building a cross-platform mobile applications using Hypertext Markup Language 5 (HTML5), JavaScript and cascading sheet style (CSS). This application allows any development on any device such as iPhone, Android, Windows Mobile and other framework using different languages like PHP, mySql, Java and so forth. It works to act like bridge the web based and web services technologies to a mobile application.

Faculty of Science Computer and Mathematics (FSKM) owns a website which is a part of an important information site to the students in FSKM. The website is categorized as a static website which allows a single interaction that is between the user and the website itself. All the information presents in the website