

ISLAMIC LEARNING (IS)

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Tesis dimaksudkan sebagai Laporan Projek Sarjana Muda (PSM)

Islamic Learning (IS)

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FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY
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DECLARATION

I hereby declare that this project report entitled
Islamic Learning (IS)

Is written by me and is my own effort and that no part has been plagiarized
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ABSTRACT

The purpose of this project is to develop a new application called Islamic Learning. This mobile application developed is a software application associated with the religious. It is a software application that contains the elements of the concept of Islamic da'wah and casual learning. Platform that will be used is to fully utilize the platform iOS smartphone operating system of Apple, the iPhone. This application is expected to compete with the current applications that are providing better functions and features. This application will be develop on Apple's mobile operating system (iOS) that will be implementing on iPhone.

ABSTRAK

Tujuan projek ini adalah untuk membina satu aplikasi baru iaitu Islamic Learning. Aplikasi telefon yang dibina ini adalah perisian yang berciri dan berdasarkan keagamaan. Aplikasi ini mengandungi elemen-elemen yang berkonsepkan Dakwah Islam dan pembelajaran secara kasual. Platform yang akan digunakan adalah sistem operasi telefon pintar Apple sepenuhnya iaitu platform iOS. Aplikasi ini adalah sistem yang akan digunapakai ke atas telefon mudah alih Apple, iPhone. Aplikasi ini bakal bersaing dengan aplikasi-aplikasi yang sedia ada yang menyediakan fungsi dan ciri-ciri yang lebih baik.

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CHAPTER 1

INTRODUCTION

1.1 PROJECT BACKGROUND

Apple Inc. has designed and marketed a line of smartphones called iPhone. Known as the "iPhone OS", this product of Apple Inc. run this mobile operating system. Latest, they released the new system of iOS 6.

This mobile system developed is a software application associated with the religious. It is a software application that contains the elements of the concept of Islamic da'wah and casual learning. Platform that will be used is to fully utilize the platform iOS smartphone operating system of Apple, the iPhone.

Objective-C is a type of programming language that is the primary programming language that use when writing software for OSX and iOS and it was used to develop the operating system iOS. It's a superset of the C programming language and provides object-oriented capabilities and a dynamic runtime. Objective-C inherits the syntax, primitive types, and flow control statements of C and adds syntax for defining classes and methods. It also adds language-level support for object graph management and object literals while providing dynamic typing and binding, deferring many responsibilities until runtime.

All the iOS software applications use the same programming language. Therefore, it is a new challenge to seek the system deeper and master in programming language, as in the industrial sector, it has a high market value of the consumers, especially for the iPhone users. At the end of the development process, the software application can be used to smooth and perfect by all iPhone users.

1.2 PROBLEM STATEMENTS

1. Not a lot of Islamic learning applications built for consumers, especially in the iOS.

Nowadays, smartphones users are likely to seek new application especially when its offer without charge. After some surveyed and researched, there are lot of entertainment applications compares to the education or learning applications.

2. Not many iOS application developers who seek to develop Islamic oriented applications.

There are not plenty of developers that build the iOS application based on religious especially Islamic. Most of the developers are likely comes with their religious, entertainmant, education based on their religious and interest. So, this application are created and will help the Muslim users.

1.3 OBJECTIVE

There are some objectives and target to be achieved in developing the application, which are:

1. To explore and master Objective-C programming language.
2. To encourage more users to use applications iPhone Islamic oriented.
3. To be a 'one-stop-centre' to Islamic knowledge in a variety of applications.

1.4 SCOPE

There are three scope of this project:

1.4.1 Administrator

- Manage, adding or deleting the Hadith.

1.4.2 User

- View and read the Mathurat
- View and watch the Islamic talk through Youtube
- View and read the Hadith prepared by the admin
- Allow users to set the time and reminder just to give themselves alert about when to read the Mathurat and Hadith

1.4.3 Application

- This application can display the Mathurat with the translations and audio.
- The application gives the easy way for the users to view and watch the Islamic talk through linked video to youtube.
- The application display Hadith and its translations.
- It will remind the users to read the Mathurat and Hadith after they set it.

1.5 PROJECT SIGNIFICANCE

Islamic Learning in an application developed just to help the Muslim iPhone's users in finding the education and learning about their religion. Applications that are built on and iOS platform will be more user-friendly and easy to use no matter wherever and whenever as long as the users having the Internet

connection for them to view the Hadith and watch the youtube video. The hadith need the Internet connection since it has to connect to the server to get the information delivered to the users. As for the Mathurat, there is no need of the Internet connection so that the users still can read, view and listen to it even though they are offline. Lastly, with a hope that this developed application will guide and help the Muslim users to improve their knowledge and themselves.

1.6 EXPECTED OUTPUT

1. This application will help users especially Muslim users to improve their Islamic knowledge.
2. This application will able to sent the reminder to user as notification alert after user setting the time. The reminder will be able for the Hadith and Mathurat.
3. This application will enable the user to streaming collections of Islamic education videos in YouTube.

1.7 CONCLUSION

This developed application called Islamic learning that will be implementing into the iPhone as the education/learning application. It made especially for the Muslim users.

This system is having the important knowledge for Muslim especially the busy ones as they can view and read the Hadith. They can also view and watch the talk prepared in the application through their iPhone as long as they have the Internet connection. Whereby for the Mathurat the users will manage to read it anywhere even if they do not having the Internet connection. It is allowing the users to set and the sent the reminder to user as notification alert after user setting the time.

By having this application it will bring the studies of Islamic step forward accordance with the Information Technology developments.

CHAPTER 2

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 INTRODUCTION

A literature review is an evaluative report of information found in the literature related to what area of study. The review will describe, summarise, evaluate and clarify this literature. It should give a theoretical base for the research and help in determine the nature of your research. A literature review is more than the search for information. In addition, all works included in the review must be read, evaluated and analysed but relationships between the literatures must also be identified in relation to your field of research.

Developing a system with a complicated process which involves so many processes, the literature review is the most important thing to have. It is to ensure that the application achieving the early objectives and targets why it is created. The literature review includes the studies on how to develop the iOS application start. There is plenty of system application referred that used when the process of developing the application started. However, there is not much difference between the material found either in the information or the process.

2.2 FACTS AND FINDINGS

Fact and finding is a discovery or determination of fact or accurate information. To find out the strength and weaknesses of the system, facts and finding delivers about the Mobile Web, and analyzing the existing system. When all the strengths and weaknesses have been identified, it will be analyze and applied into the system and for the weaknesses, the solutions will be find to improve it.

In this research is about iOS programming. This system has its own strengths and weaknesses. iOS is kind of new system with objective-C programming language that never been taught in UTeM. Furthermore it is likely a method to challenge myself where there is a need of hard work in searching, finding, trying and delivering the process in developing this system.

2.2.1 Mobile Video Streaming

The Mobile Video Streaming refers to access to the World Wide Web (www), specifically on Youtube channel. Before the Smartphone era comes, the access to the Web has been via fixed-line services through laptops and desktop computers. Now, the Web is becoming accessible by portable and wireless devices such as this nowadays technology, Smartphone. This iOS system created was involved with this video streaming whereas the talk prepared in this application is using the Youtube channel where there is a need of the World Wide Web. However it is become much easier because the users able to watch it through the iPhone.

2.2.2 Mobile Internet Access

Wireless Internet access makes mobile access and Web searching possible from phones and roaming mobile computers. Wireless Internet services have been available for years but are now becoming easier to find and more affordable.

'Mobile Internet' refers to access to the Internet via a data plan service provider. It is wireless access that can be used while it is moving wherever the users go as long as there still have line connection. Meanwhile, for the better and strong access the better method is using the Wi-Fi if the users are not on the move, staying in the same place.

As for this application, this internet access is needed because some part of this it will only work with the internet connection. Such as the Hadith which have to connect with the server to get the database created by the admin. Furthermore, the internet also needed because in order to watch the video on youtube, there must be an access through the internet.

2.2.3 Existing Application

For this part, the research before develop this project are very important. In this project, the case study is the main of method of research that related with this project. Investigation and analysis for existing application is necessary to identify problem and constraint that will exist in stated system. It aim to investigate functions used to be given by developer system. This operating system development is based on the study of the interface, security, equipment, information and the other part. The example of the existing system can be viewed according to this website and this IOS:

- i. **iman Pro:** <https://itunes.apple.com/my/app/iman-pro-/id590004918?mt=8>



Figure 2.1: iman Pro user interface