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JUDUL: E-LEARNING FOR PAFA (BASICS OF FARDHU AIN)

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E-learning for PAFA (Basics of Fardhu Ain) / Efeza Che Apandey.

E-LEARNING FOR PAFA (BASICS OF FARDHU AIN)

EFEZA BINTI CHE APANDEY

**This report is submitted in partial fulfillment of the requirements for the
Bachelor of Computer Science (Interactive Media)**

**FACULTY OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
KOLEJ UNIVERSITI TEKNIKAL KEBANGSAAN MALAYSIA**

2006

DECLARATION

I hereby declare that this project report entitled
E-LEARNING FOR PAFA (BASICS OF FARDHU AIN)

is written by me and is my own effort and that no part has been plagiarized
without citations.

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Date: 22 /11/2006

DEDICATION

To my beloved family, I would like to forward my obliged to them for their continuous support during my study period, their patience and benevolence.

ACKNOWLEDGEMENT

In the name of Allah (God), The Most Merciful, the Beneficent

Alhamdulillah, I feel grateful because with help of Allah (God), this Project Sarjana Muda (PSM) has been completed successfully. First of all, I would like to take this opportunity to wish thank you to my supervisor Pn Farah Nadia for her kindness towards me while I was doing my project. Her kindness in giving comments, idea, advise and mostly guideline starting from the beginning will always be memorize.:

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Thank you so much to everyone once again, your kindness and cooperation is much appreciated.

ABSTRACT

The knowledge of Fardhu Ain is obligatory for every Muslim. The education starts from childhood. It is given great priority and to ignore it is considered a sin. The main aim is to guide individuals in the obedience to Allah SWT, which means observation of His commandments and restraint from the prohibited. Further, the knowledge guides individual to practice accordingly and correctly. Therefore the courseware entitled "E-Learning for PAFA (Perkara Asas Fardhu Ain) was developed to allow better education of fardhu ain for muslim students using the multimedia approach. The use of Computer Assisted Learning (CAL) and multimedia technology, which are combined text, visual, audio, graphics and interactive animation. This PAFA package was developed using Macromedia Director MX. The contents were based on books fardhu ain assessment produced by the Ministry of education, which are used at school in UPSR examinations. Therefore the target groups are students from standard three to six. This courseware consists of five main modules and supported by sub modules. The modules are Main Menu, Pillar of Islam, Pillar of Faith, Purity and Assessment. Each modules contains explanation or answers of each questions listed in the basic fardhu 'ain assessment book (PAFA). The quizzes or assessment tests using the approach of multimedia and computer. It is hoped that courseware will aid the development of deeper understanding among Muslim students and the assessment of their knowledge of fardhu 'ain. It is also hope that the courseware will reduce the time spend on PAFA assessment test organized by teachers for their students.

ABSTRAK

Fardhu 'Ain merupakan satu ilmu wajib di pelajari oleh setiap individu islam. Ianya di ajar bermula dari kanak-kanak lagi. Ilmu ini sangat di tuntutan dan berdosa jika seseorang itu tidak mengetahuinya. Dengan ilmu fardhu 'ain ini ia dapat membimbing individu tersebut mentaati Allah S.W.T dan mengerjakan segala suruhnya serta meninggalkan segala larangannya. Dengan ilmu ini juga dapat memandu individu islam menunaikan ibadat kepada Allah S.W.T dengan cara yang betul dan sah. Justeru itu E-Learning for PAFA (Perkara Asas Fardhu 'Ain) di bangunkan agar dapat membantu pelajar islam mempelajari fardhu 'ain dengan lebih berkesan melalui pendekatan multimedia. Dengan "Pembelajaran Berpanduan Komputer(PBK)" dan teknologi multimedia yang menggabungkan teks, audio, visual, grafik dan animasi serta berbentuk interaktif akan menjadikan proses pembelajaran itu menjadi lebih menarik dan seronok serta berkesan. Pakej PAFA ini di bangunkan dengan menggunakan perisian pengarang multimedia Macromedia Director MX. Kandungan pakej ini berdasarkan buku panduan penilaian fardhu 'ain yang di keluarkan oleh kementerian pendidikan bagi kegunaan sekolah-sekolah-sekolah untuk ujian fardhu 'ain di peringkat peperiksaan UPSR. Oleh yang demikian kumpulan sasaran pengguna perisian ini terdiri dariada pelajar yang berada di dalam tahun enam yang mana akan mengambil peperiksaan UPSR. Perisian ini terdiri lima modul utama yang di sokong oleh sub-sub modul yang kecil. Antara modul-modul tersebut ialah modul menu utama, modul Rukun Islam, modul Rukun Iman, modul Besuci dan modul Penilaian. Setiap modul terdiri daripada huraian atau jawapan soalan-soalan yang terkandung dalam buku penilaian perkara asas fardhu 'ain (PAFA). Bentuk soalan dan jawapan dalam modul penilaian telah di ubah suaiakan agar ia sesuai untuk kuiz atau ujian penilaian PAFA menerusi pendekatan multimedia dan komputer. Adalah di harapkan dengan pembangunan pakej ini dapat membantu memberi kefahaman yang lebih mendalam kepada pelajar Islam dan menguji tahap penilaian mereka terhadap fardhu 'ain. Begitu juga dengan kelahiran pakej ini di harapkan ia dapat membantu guru-guru agama menjalankan penilaian PAFA kepada pelajar-pelajar mereka tanpa memerlukan masa yang panjang.

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LIST OF SYMBOLS

| | | |
|-------|---|--|
| 3D | - | Three dimensional |
| 2D | - | Two dimensional |
| IT | - | Internet Technology |
| KUTKM | - | Kolej Universiti Teknikal Kebangsaan alaysia |
| PAFA | - | Penilaian Asas Fardhu Ain |

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CHAPTER I

INTRODUCTION

1.1 Overview

Now a days, Information Technology (IT) have changes many sectors in all around the world. Education sector also improve their level with the IT platform such as the delivery medium, how to get the information, facilities and others.

For Project Sarjana Muda (PSM), the project is to develop the E-learning CD for PAFA subject. PAFA is stand for Penilaian Asas Fardhu Ain. It will be used for student in standard three to six for preparation for UPSR examination and also for teacher who teach this subject. PAFA is one of the practical course that student must pass to take the PMR examination. PAFA will divided in to two session with is in oral session and practical session. In oral session, student only can listen to Al-Quran reader and in practical session, step in prayer will demonstrated through animation and image.

This E-learning for PAFA will include all the topic in PAFA subject for PMR student. It combine all multimedia elements such as audio, video, text, graphic and animation to make student interesting to learnt about PAFA. Beside that student can interact with this program and search the topic they want without go to slide by slide.

This project need to do a research for student requirement in PAFA subject. So that this e-learning can be the solution of their problem. This project will develop

using Macromedia Director MX, Macromedia Flash MX 2004, Swish Max, Sound Forge 7.0 , Visual Basic and Adobe Photoshop 7.0 and Adobe Premiere Pro.

1.2 Problem Statement

Currently, the school teachers are using the text book as the material of teaching to explain the entire of PAFA subject including the steps to perform solat, the Five Pillars of Islam, 6 Pillars of Iman and how to read the verse of Al-Quran to the students. This is not an effective way to explain for the students. Student will find it hard to understand the topic using words and static pictures from the books. So it makes student bored to learn more.

Statistic from Ministry Of Education , most of school have decrease their percentage of Pendidikan Islam subject. Students not pay attention and always skip this class. In PAFA syllabus, student must memorized many verse of Al-Quran. Student must concentrated in how to memorized. It takes time to remember. Many technique of memorized can be used. For the practical session which is in prayer, it have many rule, so student must know the right practice.

By using the old technique which is based on text book, it have some weaknesses and problems that is very critical. The problems and weakness are listed as below:

1.2.1 Difficult to understand the topic

The topic regarding the step in prayer and how to read the verse of Al-quran is very complicated and hard to learn and understand. Student must memorized all the verse in prayer. By just using book, it cannot guarantee the student to understand the topic clearly. Hence, the multimedia e-learning project on PAFA subject will let the student understand the topic easily since the topic will be describe, explain and shown in

attractive animation and images. There is also tutorial section to examine the student's knowledge.

1.2.2 Lack of teaching material

By using the text book, teachers don't know how to explain and demo for student. Teacher also not have the suitable teaching material. Using the words and pictures from the book, the teacher cannot give a good explanation regarding this complicated topic to the students.

1.2.3 Time consuming

It is a time consuming for the teachers to explain the term and step involving the prayer and memorized the verse of Al-Quran to the students. Moreover they need to repeat the verse of Al-Quran until student can memorized and the other topic if the students not clear enough regarding this topic. Therefore this project can help the teacher to explain this topic better in shorter period using the attractive images, animation clips, sound and narration.

1.2.4 Not interactive

It's hard to find the e-learning CD about the PAFA subject at the market value. Most of the current CD or books which give information about PAFA subject explain it using static pictures only. There is no sound or narration involves. This is not an effective way in delivering information about PAFA to the user because there is lack of interactivity.

1.2.5 Ineffective self-learning material

Most students are too dependent to books besides teachers to gain knowledge on related topic. So, this multimedia courseware will provide a comprehensive self-learning to the students.

1.2.6 Cannot read very well

Many student cannot read the verse of Al-Quran in Arab language. So this project is easy for those student because they can listen of the Quran and they can follow how to read.

1.3 Objectives

- i. To developed a multimedia courseware in PAFA (Basic Of Fardhu Ain.)
- ii. To integrate all multimedia elements; text, audio, video, animation, graphic in this e-learning courseware so student can better understand.
- iii. To extend the knowledge and to make student interested to learnt more about this subject through the interactivity lesson with the courseware and have a good experience with this subject.
- iv. To save time for a better efficient way of learning.

1.4 Scopes

This courseware is focuses for UPSR student which is for the primary school in standard 3 to 6 students. It suitable with the curriculum of Islamic Education in primary school in Malaysia. Islam suggest kids need to be teach and learnt how to pray (fardhu ain) since 7 years old.

The Malaysia school, basic of fardhu ain was tough in syllabus Islamic education whether in primary school or secondary school and it was measure. It was measure in Ujian Penilaian Sekolah Rendah (UPSR), Penilaian Menengah Rendah (PMR) and also in Sijil Peperiksaan Malaysia (SPM). The main language that will be use for this project is Malay Language.

The project will be carried out the whole of 4 main topic. There are Rukun Islam, Rukun Iman, Bersuci and Penilaian. All the silibus are based on the Ministry Of Education.

From the multimedia courseware project, user can easily gain better understanding regarding the PAFA that will be explain in sound, images, animation clips and narration. Besides that, at the end of the courseware lesson, the user can test their level of understanding with the tutorial questions. It will make sure the user really understand the topic well.

1.5 Contributions

The significant of this project are to expand the media of education and learning of Islamic concept with multimedia technology. Student can listen how to read the verse of Al-Quran as much as they want, it help student to memorize. Beside that, it assist Islamic teacher to teach the student in interesting presentation at classroom. Teaching is

easy by using this courseware, teacher can make an examination in oral and practical session without wasting their time and it more effective. Students are interested to learn about Islamic education with the multimedia element.

Through this courseware, it also assist education institute and Department Of Education Technology to increase the usage of education technology as same as “Bestari School”. As a community member, they will get information about the PAFA for their child.

1.6 Conclusion

The introduction stage is the overall usage of multimedia element in education process is important. Technique to study must changes to make student happy to get the knowledge. Muslims student must know about PAFA subject to their study and also to their lifestyle. Teacher must help student in their education process.

CHAPTER II

LITERATURE REVIEW

2.1 Introduction

A literature review is referring of what has been published on a topic by accredited scholars and researchers. It is a comprehensive survey of publications in a specific field of study or related to a particular line of research. According to Dr. Hal S. Kopeikin's Introduction to Experimental Psychology class at UC Santa Barbara: Literature reviews periodically integrate the findings on a topic. They summarize studies and try to makes sense of the pattern of findings. They draw conclusions about what is known, what is not, and what should be. They are often a good place to begin studying the research on something. Meta-analyses are quantitative literature reviews, combining statistical findings across very different studies.

Research from literature review can produce fact and idea that in turn, can fuel thought. It can help the researcher to know whether all relevant matter are being consider in the study of a problem.

Secondly, it will help the developer to make a hypothesis about user expectation and also help in the whole of project development. Developer will find the solution based on literature review. As for this project, research must be carryout on children ,

multimedia technology and any other relevant information. So, case study carry outs are as below :

- i. Silibus about PAFA subject.
- ii. Psychologies of children education; interactivity, color.

Project methodology was important in developing a project. Methodology measure the possibility of the project whether success or not in the future. The objectives of the project methodology is to provide a framework that enables the developer to make reasonable estimates of resources, cost and schedule. For this project , methodology to be used is Courseware Development Methodology. Where as, hardware and software requirements are the technical requirements needed during the development of multimedia courseware.

2.2 Fact And Finding

Fact and finding is most important thing of understanding the whole courseware. It is a guideline to develop the early stage of multimedia courseware. fact and finding is a classical set of technique used to collect information about the problems, opportunities, solution requirements and priorities. Several facts and finding been carried out for the development of the multimedia courseware for PAFA subject. This includes:

2.2.1 Definition Of PAFA (Basic of Penilaian Asas Fardhu Ain)

PAFA is a basic of Fardhu Ain, it is one of the Islamic Education. PAFA is learn by student from the primary school who take the UPSR examination, PMR candidate and SPM candidates. Student must pass this subject to success in their examination. In UPSR, they just learnt the basic of Islamic concept, in PMR it has a few silibus like how