

Universiti Teknologi MARA

**SOLATVR – Mobile Application for
Children**

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May Allah SWT bless us with peace and happiness. Amin

ABSTRACT

Islam is a religion that has five pillars which a Muslim need to follow. One of the pillars is perform prayer (Salah). Salah is performed five times a day as their obligation as a Muslim. For children that reach seven, parents may urge their children to pray regularly and when their children at ten, their children may be admonished if their children does not perform pray. The problem faced by the children is to remember the movement process in Salah. Current method used in Salah educations which is by book is less attractive for children to learn. Therefore, this project is to propose an innovative way to help children learn about Salah by using virtual reality technology in mobile application. The objectives of this project are to identify the user requirement of SolatVR mobile application, to design and to develop SolatVR mobile application for children. The scope of this project is for seven to ten years old. They will learn about the step by step of process of performing Salah which includes physical movement and recitation. There are five types of Salah which are Subuh, Zohor, Asar, Maghrib and Isyak. This project used Agile Methodology approach to develop SolatVR mobile application. Agile methodology is divided into four phases which are plan, design, develop and test. Based on the deliverables has been discussed. Based on the testing result at the end of the Agile methodology, it shows a positive feedback from the children aged from seven to twelve years old. As conclusion, SolatVR mobile application may help children to remember and easy to understand about the process of performing Salah.

Keywords: children, education, virtual reality, mobile application, mobile learning, mobile technology, Agile methodology, Salah

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CHAPTER 1

INTRODUCTION

This chapter provides the project background, issues and problem, aim, objectives, scope and the significance of the project that has led to this research.

1.1 Background of Study

Islam is a religion that has five basic pillars which a Muslim must follow. According to Muslim Prayer Book (2016), five pillars of Islam which are the Islamic declaration faith, perform prayer (Salah), Zakat, keep fasts in the month of Ramadhan and Hajj. Salah is the name of Muslim prayers which are performed five times a day as their obligation. Performing Salah has two components which are the physical movements and recitation. Salah performed step by step and the movements of a salah need to be clear and perform in the right way. The movements in salah give benefits which are helping in maintaining wellness in healthy people, improving agility, muscle strength and muscle endurance (Kamran G,2018).

According to Muslim Prayer Book (2016), children that reach seven, parents may urge their children to pray regularly and when their children at ten, their children may be admonished if their children not pray. Based on the interview conducted among children aged seven to twelve years old, most of them performing Salah with guidance of their parents. Even though the children were guided by parents on performing salah, the children still having problem to perform Salah individually. The problem faced by the children when performing Salah is to remember the movement process in Salah. Based on the interview, current method used in Salah educations which is by books that is less attractive for children. Thus, the children find it hard to understand the process of performing Salah. Furthermore, the children