

UNIVERSITI TEKNOLOGI MARA

SMART MOSQUES PRAYER DISPLAY AND APPS

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ABSTRACT

This paper is about a prayer's timetable system based on Internet Of Things (IoT). IoT promises a connection between (inter-) various things that prove service to humans and machines. This system has one web display, video recording and application. Each one is connected through the IoT system. Video recording system can be active by pressing ON switch. Videos that have been recorded will be stored in raspberry pi and databases. The web display will display prayer's timetable and information of the mosque. Other than that, the application also can display prayer's timetable, information of the mosque and video. Users can view the video through the application in the smartphone. In addition, users can see the tentative or mosque activity besides seeing prayer time in the application. So in this system, people around can easily find their prayer's time and people around get closer to mosque.

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CHAPTER ONE INTRODUCTION

1.1 Research Background

Nowadays, people compete with each other to find the fastest way to get information about something they want to know with no delay. This is occurred to Muslims too when they need to know about the prayer time in order to show their respect to the Almighty. It is obligatory for Muslim to perform the prayer according to the five prayer time. So, many studied have been done by Muslims in this world to improve the way on getting the prayer time accurately and precisely.

Solat time software for mobile is developing to provide the pray time via mobile phone. It provides most accurate and reliable time table of Solat time for millions inhabited and uninhabited locations globally and azan software for cell phone. Pray in Time is also a rapidly growing global Muslim information portal. This Azan time service is location specific. The location on the map is needed to make sure the pray time is accurate. Use the interactive Map to setup a Solat time's calculation to every imaginable prayer spot on the Globe. The location should be remembered exactly or can be select from the list of countries and administrative in the internet.

From literature review, the concepts can be determined as below :

- a) The prayer time can be calculated if the location or the latitude and longitude for the place are known.
- b) The wayto get the information of the position for a place can be determined by using map or searching from internet.
- c) Although the system is improved time by time but there is a need to put the location of a place manually.