

**UNIVERSITI TEKNOLOGI MARA**

**My Ramadan Diary – Android Based Islamic Planner Mobile  
Application**

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## **ABSTRACT**

Ramadan is a major event for Muslims all over the world and just like any other event, it is best to prepare for it in advance with a daily action plan. The planning requires goals of education and thoughtful spiritual experience. To avoid disappointment and frustration at the end of the month, a daily action plan shall be devised to get the best out of Ramadan. However, there is problem arise when using paper planner for example it is not portable compare to digital planner where it can be access anyway by using mobile phone and computer. Other than that, paper based planner tend to get messy with frequent updates and it also does not have notification and reminder features to remind user for their appointments. Thus, this project aim is to develop a mobile application that allow user to plan, log their spiritual journey such as days fasted, prayers, taraweeh and other daily deeds besides achieving their daily goals during month of Ramadan. Target user for this project are Muslim individual in Malaysia. Platform that will be used for this project development is android mobile application. This project adopts the Mobile Application Development Life Cycle (MADLC) which comprises of seven stages. This project will be developed until testing phase only. In conclusion, this project can help Muslim individual to increase their productivity during Ramadan.

**Keywords:** Ramadan, Planner, Notification, Android, Mobile Application Development Life Cycle (MADLC), Firebase database

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# CHAPTER 1

## INTRODUCTION

### Chapter Overview

This chapter provides the background and rationale for the study for My Ramadan Diary - Android Based Islamic Planner Mobile Application to help Muslim individuals to increase their motivation and productivity along the Holy month of Ramadan. It also gives details about the problem statement of this project, objectives, scope, limitation and project significant.

### 1.1 Project Background

Diaries and journals have been around for centuries to help people plan their daily life and get organized. Most experts agree that it is 'good to do' to write down appointments, due dates, reminders to return phone calls and e-mails etc. Our days are busy and sometimes full of pressures. So forgetting something is all too easy unless we create a way of reminding ourselves (University of Michigan, 2019). These days there are so many option available to track important information and appointments. Digital planner also has been used widely by millennial now days. A digital planner is almost identical to the traditional paper planners that available at a stationery shop but instead of being paper they are on electronic devices.

Muslims around the world have given up food and water from day break to after the evening prayers as the Holy Month of Ramadan. During this holy month, devotees make physical sacrifices to attain spiritual rewards. With the help of Ramadan planner mobile application, Muslims can perform fasting more productively. There are a lot of mobile application that have been developed to help people plan and track their good habit such as Ramadan Legacy (Google Play, 2015), My Ramadan Planner (Google Play, 2019) by JSD Application, My Ramadan Planner (Google Play, 2019) by Mujaddia Inc., Ramadan 2020 (Google Play, 2019) and Al-Muslim (App Store, 2018). The similarity of these application is to record their fasting experience and enable user to know the prayers time especially sahur and iftar time. Besides, user also can log their good deed such as fasting, pray taraweeh, reciting Al-Quran and more. However, one of the drawbacks of these applications is they did not have a feature like push