

**Universiti Teknologi MARA**

**M-ASSISTANT FOR MUALAF (M-AM)  
USING RAD**

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## **ACKNOWLEDGMENT**

*In the name of Allah, the Most Gracious and the Most Merciful.*

*Peace and blessings of Allah be upon Prophet Muhammad.*

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## **ABSTRACT**

Every muslim is responsible to his muslim brother. Mualaf number has increased every year reported by PERKIM. PERKIM has made a class for mualaf. Because of time constraint, some of them have difficulty to attend class. Mualaf that registered with PERKIM are in a group of students, housewife, and workers. They need to go to work and come to the class for learning session also. Some of them cannot manage time very well and always missed class. The objectives of this project are to identify user requirement for M-AM by using questionnaire method. Next, to design for this application based on the questionnaire result. Finally, to develop the prototype for this application using Eclipse. This project is significant to mualaf because no mobile applications that focused on mualaf so far. It also gives contribution to PERKIM as it will help PERKIM to organize their class better and easy to give updated information through this application. This project is focusing to mualaf who lives area Shah Alam only. Methodology that researcher used is Rapid Application Design because the time constraint and by using this method it gives short but quality product. RAD has four phase, first phase is user requirement, second is user design, third is construction phase and lastly is cutover or testing phase. All this phases is done by researcher except fo the fourth phase which is cutover phase, cannot be done because of time constraint. This project can be extended to serve people online as in today's world by making some changes on the prototype. The main recommendations are for the syllabus, can refer to PERKIM to add topic outside the syllabus. Online databse only used for forum and newsfeed only, other page can change to offline, so that user without internet can still use this application. In future, maybe push notification can be added to make user alert about the news. This prototype then can be commercialized if it has all this features.

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# **CHAPTER 1**

## **INTRODUCTION**

### **1.0 Introduction**

This chapter includes the project title, background of project, problem statement, scope, research question, objectives and significance of the project.

### **1.1 Project title**

Mobile Applications Development on M-Assistant for Mualaf (M-AM) using RAD.

### **1.2 Project background**

Table 1.1 shows the majority religion in Malaysia is Islam as much as 61.3%, follow by Buddha 19.8%, followed by Christians of 9.2%, Hinduism 6.3% and others 3.4%. based on this table, Islam is the majority religion in Malaysia including mualaf. According to statistic from Unit Ukhuwah, Bahagian Dakwah, Jabatan Agama Johor (JAJ) the number of Islam not decrease but increase every year. 348 people or 28.8% has register to convert to Islam for district Johor Bharu for year 2000. The number is increasing from year to year of 406 people or 33.5% for year 2001 and 456 people or 37.7% for year 2002, (Taqiyah,2004). Based on PERKIM Shah Alam data in 2011, there are 99 people has convert to Islam, in 2012, 76 people has converted to Islam and in 2013, 72 people has converted to Islam in Shah Alam. (Refer to Figure 1.1). The increasing number of mualaf every year are the reasons to develop this application known as M-Assistant for Mualaf. So they can gain knowledge about Islam. Muslims need to teach the new muslim because they are our brothers. Allah says in Surah Al-Hujurat verse 10: "Indeed the Believers are but brothers." Therefore, this