

**UNIVERSITI TEKNOLOGI MARA**

**SHARIFAH NAJEHAH BINTI SYED SHAMSUDIN**

**THISDAY: INTERACTIVE DIGITAL DIARY**

**MOBILE APP FOR MUSLIM USERS**

**BACHELOR OF INFORMATION TECHNOLOGY (HONS.)**

**FACULTY COMPUTER SCIENCE AND MATHEMATICS**

**JANUARY 2022**

## **ACKNOWLEDGEMENT**

Alhamdulillah, all praises to Allah SWT for giving me strength and opportunities to complete this proposal for my final year project. During this difficult times with the global pandemic, I was able to get proper guidance to write this proposal. For that, I thank my CSP600 lecturer, Dr. Emma Nuraihan Binti Mior Ibrahim for endless support and reminder until late at night to ensure the proposal was always in progress. I would also like to express my special thanks to my supervisor, Assoc. Prof. Dr. Fariza Hanis Abdul Razak for helping me in doing a lot of research and I came to know so many new things because of that. Lastly, I would also like to thank my family members and my beloved friends for their understanding and endless moral support every single day.

## **ABSTRACT**

Currently, there are many applications that offer digital diaries for users' personal information management, but fewer applications provide Islamic features in the content. The objective of this project is to identify, design and develop ThisDay Interactive Digital Diary Mobile App For Muslim Users. The methodology adopted for this project is Mobile Application Development Life Cycle (MADLC) up until the testing phase. The features and functions of this project are application lock, diary entries and two Islamic features which are important Islamic dates and Asmaul Husna. User testing for this project uses the system usability scale (SUS) with three participants involved. This mobile application will benefit Muslim users to constantly surround themselves with the Islamic environment. Future works proposed are the development for the iOS platform and embedding more Islamic features in the content.

**Keywords:** Digital diaries, Islamic features mobile application, Mobile Application Development Life Cycle (MADLC), system usability scale (SUS), Android platform

## TABLE OF CONTENTS

	<b>PAGE</b>
<b>SUPERVISOR APPROVAL</b>	ii
<b>STUDENT DECLARATION</b>	iii
<b>ACKNOWLEDGMENT</b>	iv
<b>ABSTRACT</b>	v
<b>TABLE OF CONTENTS</b>	vi
<b>LIST OF TABLES</b>	x
<b>LIST OF FIGURES</b>	xi
<b>CHAPTER 1 INTRODUCTION</b>	
<b>1.1 Project Background</b>	1
<b>1.2 Problem Statement</b>	2
<b>1.3 Project Aim</b>	3
<b>1.4 Project Objective</b>	3
<b>1.5 Project Scope and Limitations</b>	3
<b>1.6 Project Significance</b>	4
<b>1.7 Chapter Summary</b>	5
<b>CHAPTER 2 LITERATURE REVIEW</b>	
<b>2.1 Introduction to Digital Diary</b>	6
<b>2.1.1. Concept and Application</b>	6
<b>2.1.2. Advantages of Digital Diary vs. Paper Diary</b>	7
<b>2.2 Mobile Application</b>	8

# CHAPTER 1

## INTRODUCTION

This chapter gives insights into what this project is all about and describes problems or opportunities that make this project significant enough to be initiated. This chapter will discuss the project background, the problem statement, the project aim, the objective, the project scope and limitations and project significance. This project uses literature reviews to gather all the information for this chapter.

### 1.1 Project Background

This project aims to provide a digital diary embedded with Islamic features, specifically for Muslim users. Researches found that keeping a diary can be one of the stress-coping strategies (Lazarus & Folkman, 1984) and improve writing skills especially in foreign language studies (Yüce, 2020). Diary is known as a record containing the writer's experience traditionally handwritten using pen and paper (Oxford University Press, n.d.). However, not many people want to keep a traditional diary nowadays for various factors. Factors contributed to this includes carry around a diary can be bothersome, personal diary entries can leak, and writing diary entry cannot be done in the dark.

The application of a diary is not limited to a personal daily diary only. Diary has many types and uses, for example, travel diary to record travel data (Allström., Kristoffersson, & Susilo, 2017) and diet diary as a diet assessment instrument (Ravelli & Schoeller, 2020). Diary can also be used in the professional field such as research diary as a device in multicenter research (Pezzato, Botazzo & L'Abbate, 2019). Some diary includes photos to represent the experience that is not enough to describe by words. This is seen as a need for a digital diary to make the process such as media attachment easier and faster.

In these modern days, diaries are available in both traditional paper form and digital form. Although some people still love the writing experience from traditional diaries, digital diaries still gain fair popularity among people in the diary-keeping community. This is due to the fact that a digital diary is easy to carry around and can be accessed anytime using a smartphone (Laughland, 2017). This also relates to the use of a smartphone that has around 6 billions users worldwide in 2021 (Statista, 2021).