



**KOR SUKARELAWAN SISWATI (SUKSIS), UNIVERSITI
MALAYSIA PAHANG (UMP) SYSTEM**

MOHD FADHLI BIN MAT IDERIS

CA10067

**THESIS SUBMITTED IN FULFILMENT OF
THE DEGREE OF COMPUTER SCIENCE
(COMPUTER AND NETWORKING)**

**FACULTY OF COMPUTER SYSTEM AND
SOFTWARE ENGINEERING**

2014

TABLE OF CONTENT

CHAPTER	TITLE	PAGE
	TITLE PAGE	II
	SUPERVISOR DECLARATION	III
	STUDENT DECLARATION	IV
	ACKNOWLEDGEMENT	V
	ABSTRACT	VI
	ABSTRAK	VII
	TABLE OF CONTENTS	X
	LIST OF TABLES	X
	LIST OF FIGURES	XI
CHAPTER 1	INTRODUCTION	1
	1.1 Overview	1
	1.2 Problem Statement	5
	1.3 Objective	6
	1.4 Scope	6
	1.5 Conclusion	7
CHAPTER 2	LITERATURE REVIEW	8
	2.1 Introduction	8
	2.2 Literature Study	8
	2.2.1 Information System	9
	2.2.1.1 Method Used	9
	2.2.1.2 Benefit Information System	10
	2.2.2 Mobile police information system	11
	2.2.2.1 Method Used	11
	2.2.2.2 Benefit Mobile police information system	12

	2.2.3 Comparison of the System	14
CHAPTER 3	METHODOLOGY	15
	3.1 Introduction	15
	3.2 Project Method	15
	3.3 Step System Development Life Cycle (SDLC)	16
	3.3.1 Planning	16
	3.3.2 Analysis	17
	3.3.2.1 Flow chart	18
	3.3.3 Design	24
	3.3.3.1 Database Design	24
	3.3.3.2 Interface Design	27
	3.3.4 Implementation	34
	3.3.5 Maintenance	34
	3.3.6 Testing	34
	3.4 Software and Hardware Requirement	35
CHAPTER 4	IMPLEMENTATION PLAN	36
	4.1 Introduction	36
	4.2 Development of Interface	36
	4.3 Database Architecture	37
	4.4 Development of System	38
	4.4.1 Coding for Coding For Register Student	39
	4.4.2 Coding for list new member	44
	4.4.3 Coding for SMS	45
	4.4.4 Coding for post list name of new member	46
	4.4.5 Coding for post weekly activity schedule	47
	4.4.6 Coding for update the mark of training	48
	4.4.7 Coding for hours of training	50
	4.4.8 Coding for see the detail about member	51
	4.5 Conclusion	52

		X
CHAPTER 5	RESULT AND DISCUSSION	53
	5.1 Introduction	53
	5.2 Testing Result	54
	5.3 Result Analysis	55
	5.4 Constrain	61
	5.4.1 Development Constrain	61
	5.4.2 Documentation Constrain	61
	5.4.3 Technical Knowledge	61
CHAPTER 6	CONCLUSION	62
	REFERENCE	64

LIST OF TABLES

TABLE NO	TITLE	PA
2.1	Comparison of Existing System	1
3.1	Login Table	2
3.2	Registration Table	2
3.3	Activity Table	2
3.4	Hardware Requirement	
3.5	Software Requirement	3
5.1	Hardware and Software Requirement for Testing Environment	5

LIST OF FIGURES

FIGURE NO	TITLE	PAGE
3.1	System Development Life Cycle (SDLC)	16
3.2	Flow Chart Process Login System	18
3.3	Flow chart (Forgot/change password).	19
3.4	Flow chart of Registration Member SUKSIS	20
3.5	Flow chart to Claim allowances	21
3.6	Flow chart to upload the notes	22
3.7	Flow chart to send announcements to web and through SMS	23
3.8	Interface for login system	27
3.9	Interface for admin	28
3.10	Interface for registration	29

3.11	Interface training scores updates	30
3.12	Interfaces for admin updates hour's attendance	31
3.13	Interfaces for Admin Updates Activities	31
3.14	Topology SMS Process	32
3.15	Interface for Member SUKSIS	33
3.16	Interface for members download notes Architecture SUKSIS UMP System Database	33
4.1		37
4.2	Coding Connection Between Database and Design System	38
4.3	Coding Interface for register student	42
4.4	Coding interface for student register	43
4.5	Coding interface list name of new member.	44
4.6	Coding Create SMS	45
4.7	Coding post list name	46
4.8	Coding activity schedule	47
4.9	Coding save the marks	49
4.10	Coding hours of training	50
4.11	Coding information members SUKSIS	51
5.1	Main Page Interface	55
5.2	Login Page	56
5.3	Application Registration Form	57
5.4		58
5.5	Register page for Members Form training schedule	59
5.6	Form update new members	59
5.7	Form create SMS	60
5.8	Form downloads	60



**KOR SUKARELAWAN SISWATI (SUKSIS), UNIVERSITI
MALAYSIA PAHANG (UMP) SYSTEM**

MOHD FADHLI BIN MAT IDERIS

CA10067

**THESIS SUBMITTED IN FULFILMENT OF
THE DEGREE OF COMPUTER SCIENCE
(COMPUTER AND NETWORKING)**

**FACULTY OF COMPUTER SYSTEM AND
SOFTWARE ENGINEERING**

2014

ABSTRACT

This work introduces the SUKSIS UMP System, to facilitate coach store data of all members, send information SUKSIS activities easily and quickly. Therefore, SUKSIS UMP System will be created as a way to replace the system manually. This system is awaked by commit the PDA use which communicated with the computer. By using the SDLC model (Software Development Life Cycle), SUKSIS UMP System was built through five software development phase. In three first phase, analysis and analysis for the user requirement will be executed and for two following phase, design and execution will be executed to build SUKSIS UMP System which last.

ABSTRACT

Kertas kerja ini memperkenalkan system SUKSIS UMP, dibangunkan untuk memudahkan jurulatih menyimpan semua data ahli, menghantar maklumat aktiviti suksis melalui SMS. Oleh itu, SUKSIS UMP akan dibangunkan sebagai menggantikan system manul. Dengan menggunakan model SDLC, SUKSIS UMP dibangunkan melalui lima fasa. Dalam fasa pertama, analisis dan analisis untuk keperluan pengguna akan dilaksanakan untuk dua fasa berikutnya, reka bentuk dan pelaksanaan akan dilaksanakan diperingkat akhir.

CHAPTER 1

INTRODUCTION

1.1 Overview

University Malaysia Pahang (UMP) has a uniformed body as a co-curriculum, one of his Kor Sukarelawan Siswa-Siswi (SUKSIS). SUKSIS are police volunteers set up in 2005 by the 5th prime minister of Malaysia, Tun Abdullah Bin Ahmad Badawi. SUKSIS only for IPTA student is pursuing a full-time degree. To join SUKSIS must pass the prescribed conditions, of physical and verbal test. Physical tests such as voice tests, fitness, height and weight. While the oral test conducted interview form.

Apply to become a member SUKSIS be in the first semester. The time frame for completion of the course is a six semester, which is equivalent to three years in a row. After passing six semester and sufficient training hours to 600 hours then commissioned as an officer. Usually taking new members per year of 70 people, male 35 and female 35 people. Many of the activities carried out every semester. This activity includes all activities policing of marching, law classes, shoot and run 2.4 miles. Conducted training every Saturday for 8 hours. Paid an allowance of RM6.00 an hour.

System manual used by the coach now to save data and attendance recorded via paper. There are weaknesses in the system, paper may be lost or damaged. This method will be more condusif if there is an administrator can manage the record papers with smart and tight into store data. But if he store data not enough space to keep data, the old data has destroyed. That situation will give problem to coach.

An organization need to manage their information. This system is designed to store the data of each member Sukarelawan Siswa-Siswi (SUKSIS), allowance computation and training hours, facilitate SUKSIS member get information and the latest news from the coach. Members do not have to go to the office. Any info that would like to be notified, only need to update, and members need to log on the site, like never before just sending messages and through Facebook. Besides the members can see the test scores, hours of training and shooting marks them, mark is displayed only scoring shot. For new members to find out the status of their application, just need to browse this site. This system can access through smartphones, tablet, laptop, or etc.

This system also can upload notes that are related with laws of police. Before this member SUKSIS cannot find notes to study for exam. For this system, members can download notes after login this web site. After this, members no need copy and buy the book to study. They only need download from this system to get the notes.

Send news apart from the post on the web, activities announcement through SMS to each member also used, to prevent members do not get the information, because there may be members did not visit this site.

Computerize method by using computer and server. This method can save a lot of data depend on their server storage. The probability the lost data is very little because we can make a backup. In this project, SUKSIS UMP System will develop to solve problem at SUKSIS UMP which is still using manual system.

Officer Organization**Commander**

ACP/ KS 80006

Prof. Dr. Yuserrie Bin Zainuddin

Vice commander

SUPT/KS 80002

Haji Mustafa Bin Ibrahim

Ajutan

DSP/KS 80003

Mohd Aznorizamin Bin Ismail

External training officer

ASP/KS 80004

Mohd Nazri Bin Samsudin