

VOLUNTEER MANAGEMENT SYSTEM

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UNIVERSITI PENDIDIKAN SULTAN IDRIS**

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VOLUNTEER MANAGEMENT SYSTEM

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LAPORAN PROJEK TAHUN AKHIR DIKEMUKAKAN BAGI MEMENUHI
SYARAT UNTUK MEMPEROLEH IJAZAH SARJANA MUDA
(KEJURUTERAAN PERISIAN) DENGAN KEPUJIAN

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ABSTRACT

Volunteer Management System is a Web-based system that is often used by volunteer organizations to manage their volunteer members. However, the existing system can only be accessed by those who work in the volunteer organization. In addition, the existing system does not have a page that allows users to view volunteering activities that can be joined. Therefore, Volunteer Management System is develop and the objectives of the research is to help those who are interested in volunteer activities to find volunteer activities easily in the system. Next, the objectives for this development is to manage all volunteer activity in the system. The design of the Volunteer Management System are based on Agile Model(2012). Online questionnaires is used to collect the data about the usability of the Volunteer Management System. Around 30 people answered the online questionnaires. Based on the result, it shows that most of the people will use the Volunteer Management System again in the future

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ABSTRAK

Sistem Pengurusan Sukarelawan adalah sebuah sistem berasaskan Web yang selalunya digunakan oleh badan sukarelawan bagi menguruskan ahli sukarelawan mereka. Akan tetapi, sistem yang sedia ada hanya dapat di akses oleh mereka yang bekerja di badan sukarelawan itu. Selain itu, sistem sedia ada tidak mempunyai laman yang membolehkan pengguna untuk melihat aktiviti kesukarelawan yang boleh disertai. Oleh itu, Sistem Pengurusan Sukarelawan dibangunkan dan objektif bagi pembangunan system ini adalah untuk membantu mereka yang meminati aktiviti sukarelawan untuk mencari aktiviti kesukarelawan dengan mudah di sistem ini. Seterusnya, objektif pembangunan system ini adalah untuk menguruskan semua aktiviti sukarelawan di dalam sistem ini. Reka bentuk Sistem Pengurusan Sukarelawan ini adalah berdasarkan Agile Model(2012). Soal Selidik dalam talian digunakan bagi mengumpul data tentang kebolegunaan Sistem Pengurusan Sukarelawan. Seramai 30 orang telah menjawab soal selidik dalam talian ini. Berdasarkan keputusan soal selidik ini, menunjukkan bahawa kebanyakan mereka akan menggunakan lagi Sistem Pengurusan Sukarelawan pada masa akan datang.



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LIST OF ABBREVIATIONS

SRS	Software Requirement Specification
SDD	Software Design Document
STP	Software Test Plan
VMS	Volunteer Management System



CHAPTER 1

INTRODUCTION



1.1 Project Background



There are not many volunteer management systems that have functions that the user can see volunteer work listing and also can choose what volunteer activity they want to do. In order to solve this issue, I choose to make a volunteer management system for my final year project. This project can help those who want to join voluntary work. For example, the user can use this system to choose volunteer activity based on their location and also based on the date and time that the user is available. So the user can join the volunteer activity whenever the user has free time.



1.2 Problem Statements

Nowdays, there are many volunteer management system but mostly the system focusing more on volunteer organization side. For example the system are only use to key in the attendance for those who attend the program. Other than that, not many people want to join volunteer activity nowdays. Based on the study by Ministry of Human Resources (2018), the study shows that only 2% of Malaysian that aged 40 years old and above that were interested in volunteering People should join volunteer activity at least once a year because volunteering can help to prevent you from stress and other mental disease like depression. Based on research by Aknin, L. B. (2013), it shows the positive changes in the life satisfaction when associate with volunteering. Furthermore, based on my research, they are not many volunteer management system that provide work listing to the user so that they can choose what activity to do. For example, based on article by Chen, Y. (2018), the functionality in the volunteer management system that stated in the article only for the organization.

1.3 Objectives

Volunteer Management System is develop for people who want to join volunteer activity but do not where to find the system that have a list of volunteer activity around the community area. The Volunteer Management System can help people to choose volunteer activity. Other than that, this system can help to attract more people to join volunteering activity. The objectives of the project are:

- a) To manage all volunteer activity in the system



- b) To develop a web-based system that can help user to find suitable volunteer activity.
- c) To analyse the people interest in Volunteer Management System based on online questionnaires.

1.4 Scope

Scope for this project is for people who want to join the volunteer activity but know where they can see a list of volunteer activity around the community area. The system will help user by provide the list so that they can make a choice based on their availability.



1.5 Project Significance

The Volunteer Management System can give benefit to the user because the system will make the user easier to choose any volunteer activity based on the user free time. Other than that, this system will help to attract more people to join the volunteering activity because this activity can help to reduce stress and also depression. Furthermore, the system will be available for user to view their recent volunteer activity and also the total points collected.

