

**Universiti Teknologi MARA**

**The Development of My Blood  
Personalize(MYBP) Mobile Application.**

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**Thesis submitted in fulfillment of the requirements for  
Bachelor of Information Technology (Hons.)  
Faculty of Computer and Mathematical Sciences**

**July 2015**

## **ACKNOWLEDGEMENT**

Alhamdulillah and praise to Allah because of His Almighty and His utmost blessing, I was able to finish my application project within the given time. Firstly my special thanks to my supervisor, Madam Nor Diana Bt. Ahmad for his patient and tolerance in helping and guidance me doing this project with successfully. Besides that, thanks to my course lecture Prof.Madya Mardhzhiah Bt. Hj Hashim .For her vital guidance and information in doing this final year project.

Special Thanks to my parents for their support in term of spirit, advise, money and the attention towards me in helping to give full support to finish my final year project with successfully .Last but not least, to all my dearest friends for their support and encourage, and together we finish this project and for all direct and indirect person who involve in my final year project. Thanks for inspiring me in such a mean that could not be written in words. May Allah bless all of you.

THANK YOU.

## ABSTRACT

Currently, all the hospital and private agencies have recorded all their blood donation detail by using a system which connect to the National Blood Center in Kuala Lumpur. Through the system, its able the center to handle and manage systematically all their donor's donation record. Furthermore, for the donor, they have been provided with the Red Book which act as their own references about their blood donation history. But, the current method which using the Red Book is inefficient for the blood donor. This is because the Red Book is easy to be damage, lost and misplace. Its also not convenient for the donor because they tend to forgot to bring the book while having the donation. Thus, My Blood Personalize (MyBp) is develop in order to overcome this problem. The objective of the development is to identify the requirement of MyBp, to design the mobile application for MyBp and lastly to develop the application for MyBp. The scope of the development of MyBp is focus to the blood donor itself and the main function for this application is the blood donation record. The application also will be target for the android platform only. The significant of this application can be see towards the donor which they able to manage their blood donation history more secure, systematically and mobility. For the hospital itself, its easier for them to track the donation history and to identify the blood donor. In order to get the requirements for the application, an interview was conducted with the staff who involve in the donation process and the result is analyst further following the MADLC methodology. Lastly, for the future works, some recommendation have been state in order to suggest the next developer to add the advance features in order to upgrade the application to be more interesting.

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# CHAPTER 1

## INTRODUCTION

This chapter will describe the overview of the project which consists of the project background and problem statement to justify the need of the need of the project. It is also includes the objectives, scope and also the significant of the project.

### 1.1 Background of Study

The demand for the blood supply is highly increase because of the manufacture of the blood in the laboratory is currently impossible to be maintained. So, it is important to turn the voluntary activities into social activities in order to attract people to donate their blood in order to fulfill the demand. Moreover, in recent years the level of donation stagnates or even decline. So it is become the important task for the most Donation Center to promote the blood donation in order to increase the blood donor.(Martin,2008)

The transfusion Center are trying their best in order to increase the action of voluntary work in order to attract people become the blood donor. Thus, the participant of expertise, professional and the developer is important in order to develop a tool which can attract the people to become the blood donor.(Santana,2008)

Moreover, the blood supply is important to save the others people's life. This is because it is difficult to find the suitable match for the receiver with the blood provided when it is needed.The blood supply provided by the hospital is limited to the certain blood type only. Thus,the people are encourage to donate their blood to save others people life. In the blood donation process,users are provided with "Red Book" which able to record their donation detail.They are