UNIVERSITI TEKNOLOGI MARA

THE DEVELOPMENT OF SUBNETTING MOBILE LEARNING APPLICATION BASED ON ANDROID PLATFROM

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JULY 2013

ACKNOWLEDGEMENT

By the name of ALLAH, the most Gracious and Most Merciful. First of all, Alhamdulillah, praise Allah for His Almighty and Graciousness. By Allah bless, I be able to finish this project and the report in the dateline time.

I wish to express my deepest gratitude to my supervisor, Puan Nor Adora Endut for her guidance, support, encouragement and constructive criticism that I had been receiving for the preparation of the thesis. I never forget all the experience during doing this project. I also wish to express my sincere appreciation to project coordinator, Dr Puan Fakariah and also Dr Puan Nor Shahniza Kamal Bashah for their guidance.

For my beloved parent that have support me from the beginning and until now, I would like to appreciate them in all my life. Without encouragement from them I will not been here now.

Finally, my deepest appreciation goes to all my friends that support me during my project implementation either directly and indirectly.

ABSTRACT

Subnetting is one of the compulsory subjects in networking courses. Many students in the university face difficulties in learning or calculating subnetting. This is occurring because the students do not know the concept of subnetting which is how to calculate the subnetting properly. In addition, problem statement is the traditional classroom teaching methods are also not engaging enough for students and lecturers does not give more exercises in learning subnetting to students. The objective of the project is to design and develop suitable subnetting exercises for students so that they can support the process of learning subnetting. Thus, the use of the proposed application can help make the process of learning subnetting for students more exciting and effective to understand. This application is developed on the Android platform especially for networking students

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CHAPTER 1

INTRODUCTION

Subnetting is important in the networking world. In networking courses, subnetting is the fundamental subject which students need to learn. This is because it most important subject for networking student becomes more interesting when the application is used in the University for subnetting part in the class.

1.1 Background of Study

Subnetting requires time to master, so that is why subnetting project to develop because is believed to make learning subnetting more exciting and appealing to students. In addition, mobile learning application believed to be new learning tools which can enhance the effectiveness of traditional classroom teaching method with the implementation of application in their mobile.

The overall of system is about to develop subnetting in mobile application. This system is developing because to help networking students to master in subnetting part in the class. In this system, there is combination of three modules which is combination of calculator, note and quiz module.