

UNIVERSITI TEKNOLOGI MARA

**DEVELOPMENT OF EXPERT PROJECT
MANAGEMENT SYSTEM (EPMS) IN ANDROID**

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“By the name of Allah, the Most Gracious and Most Merciful”

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ABSTRACT

Expert Project Management System or EPMS developed to apply the latest technology of android into the project management system. In the previous system that has been developed, it is became a problem as it is developed under windows system or a web-based system that running on a laptop or pc. The size of the device itself has making a burden for them to carry a laptop to any project site to ensure they can check project progress. Another problem that been face by user is the difficulties to track down each cost that has been used for the project. By having Expert Project Management System, project manager can use the software using their android mobile device. This way project manager can bring the software and use anywhere without any difficulties as it is in a size that is small enough for them to use. By having Expert Project Management System also, project manager can track the budget that has been use for the project easily and can save them from excessing the budget. There are three objective that must be achieved in the project. The first objective is to develop android based application on the project management system. The second objective is to develop function to keep track of the progress and cost and the third objective is to create final assessment on the project based on the project progress. The development of Expert Project Management System is based on Rapid Application Development as it allow fast implementation of the system in real environment. The development start with Analysis and quick design and move on to prototype circles where develop, demonstrate and refine happen. It then procedd to testing and deployment.

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CHAPTER 1

INTRODUCTION

This chapter provides the background of the project. It also gives details of the significant of the Expert Project Management System for user and problem related to the previous project.

1.0Background

Expert Project Management System or EPMS is a android client server based application specially developed for Binary Global Technology staff. This system is a development based on project management system that is developed as windows software. EPMS aim to give user a better mobile management system to replace current technologies that are not so efficient in mobility. EPMS also is specially developed to be used by Binary Global Technology, so the system were adapted on project management system that been use by this company starting from deployment of the project to format of reporting that the system produced.

EPMS was developed in an android system as it is the most advance mobile technology available nowadays. Using the android system, the application itself used a server based system to store the information and retrieved all the information from the server. This enabled a lightweight application and helped the system to recover any data easily as it is store in the database.

This system is secure by username and password as an access. The usage of username and password allowed the use of session that enabled the system to recognize the level of user of the system. Each level of user had different access to the system.