CHAPTER 3

PROPOSED WORK

3.1 Overview

In this chapter, it will discuss on six subtopics that will cover the context diagram of MyBanjir Update, system interface, data dictionary and also the details on software and hardware requirements to develop this mobile application.

Subtopics 3.2 will explain about the overall context diagram of MyBanjir Alert. Subtopic 3.3 will discuss on logical design of the client side of the system with the data flow diagram. Subtopic 3.4 will cover the data dictionary to be used in this system. Subtopic 3.5 will explain the interface design of the MyBanjir Alert and subtopic 3.6 will explain the database structured in the system. The last two subtopics 3.7 and 3.8 will explain the hardware and software requirements for developing the system.

Overall contents in this chapter will provide the detailed information of implementation that will carried out in this project.
3.2 Context Diagram of MyBanjir Update System

Figure 3.1 Complete context diagram of MyBanjir Update

Figure 3.1 shows the overall process of MyBanjir Update in general. The process begins when staff entering an update about the flood in certain area through the terminal and it will be stored in the database. After the information has been saved in the database, it will directly pass through in the smartphones by installing MyBanjir Update application. The user will get the updates immediately right after the installation of MyBanjir Update in the smartphones.

Throughout the recent studies that have been made, this system are most likely contribute a lot of benefits for user from the area that always being destroy by flood. First and foremost,
there are two type of client that takes part in this system. The first one is the staff from Jabatan Meteorologi Pahang. The staff will key in the update about the water level rising in certain area that are affected and the information that guides victim to the safe house. For the staff, there are different interface that are specifically handle only by the Jabatan Meteorologi Pahang.

For the second client that is the user of MyBanjir Updat, the first thing to do is download and install the application from Android Market. Then, the user will be display a few menu button on the application. The first button is where user chooses the specific district in Pahang. Then it will lead to the update of the flood information from the Jabatan Meteorologi Pahang. User also can view the overall flood incident happened in Pahang area by clicking the geographical map that give red sign if the area is flooded.

3.3 Logical design (Client Side)

The system requirement for the MyBanjir Update (client side) has been transformed into the context diagram and data flow diagram (DFD) for easy to understand about the system flow. The DFD picture show the movement of the external entities, process of the system and the data stores in the database. Figure 3.3.1 shows the context diagram for the user view.