ABSTRACT

Nowadays, the network technology has undergone a rapid development, not only in the devices, but also in the applications and transmission system that is used. As the time moves on, the need of information also increases. People need some fast and up-to-date information, especially in metropolitan area, where its population is highly dense and its people have various activities. For that problem above, solutions must be made. One of the solutions is by making a news application using Brew which is based on RSS Feed.

BREW (Binary Runtime Environment for Wireless) is a platform for developing and applying a very large mobile media application, such as information or news based on text, full-track music, ringtones, video, and game. The strengths of BREW are : a relatively quick time in running the program, and also a smaller usage of memory, if compared to other mobile application development platform, like J2ME. Meanwhile, RSS is a file in XML format for syndication that has been used by (one of and mostly) news website and weblog. The technology that is built using RSS allows us to subscribe to the website that has RSS feed.

In this Final Project, the Brew application that was made is News Portal application.Itwas an application that could be used to read news from online printed-media. This application had five main menus. Each main menu was divided into some sub-menus. This application was developed using BREW SDK v.315, BREW SDK Tools 1.0.1, ARM Development Suite 1.2 for compiling C Language into machine language, and Microsoft Visual Studio 2005 as IDE. The internet network was using the network from one of the CDMA operators.

The parameters that were analyzed are access time velocity from the application that had been made, from the beginning where the headlines appeared until the entire news was displayed and application memory usage. From the testing, the News Portal application was successfully tried in simulator. The application’s functionalities had been worked well, just like the expected designing result.

Key words : BREW, RSS Feed, CDMA