

ABSTRACT

Mobile applications continue to develop with increasingly sophisticated technology used in developing applications for mobile handsets. Mobile Applications are created using different platform. One of the platform used is the Binary Runtime for Wireless (BREW).

As a mobile application development platform that includes the newly introduced in Indonesia, BREW has advantages such as relatively short running program and the performance of smaller memory usage when compared with other mobile application development platform such as J2ME. Although only shown to the simulator, previous research has demonstrated that the BREW platform is better than J2ME.

In this final task, mobile application that developed based on BREW platform is Portal News, which is an application that can be used to read the news from reading media online. This application has eight news menu options. Users can also save pages of news, view a list of news pages, and can remove the list of the news pages have been stored previously. Applications developed using the BREW SDK v3.15, BREW SDK Tools 1.0.1, ARM Development Suite 1.2 for C language compilation into machine language, and Microsoft Visual Studio 2005 as IDE. This application is implemented on two-enabled CDMA handset test with different types and uses one of CDMA network operators to its internet network.

Parameters to be analyzed are the speed of access time when you first run the application, memory usage, and time speed when downloading data from the server. From the result of test conducted, Portal News application has been successfully implemented on a test-enabled handsets. The functionality of the application already run in accordance with the desired outcome design. From the measurement result obtained showed that the simulator BREW did not reflect the actual state of the environment of handsets. Nonetheless, Portal News application can run stable at different two-test enabled CDMA handset.

Keyword : Mobile Application, CDMA, BREW