

## **ABSTRACT**

*Telnet is a service that uses TCP/IP connection on port 23, to perform remote access on a remote computer on the Internet using an application called telnet client application.*

*On this Final Project a telnet client application will be implemented on a mobile phone using Java programming language with J2ME as platform and GPRS connection to establish a connection to the Internet. This Application is compatible on all mobile phones that runs Java application with Mobile Information Device Profile (MIDP) 1.0 or MIDP 2.0 specification.*

*To analyze the performance of this telnet client application, running test and input-output performance test are held. Based on the implementation and analysis, it is concluded that implementation of a telnet client on mobile phone is applicable and the application is running properly on mobile phone. Limitation of mobile phone keypad to provide input to user is handled by using the vt320 terminal emulator while displaying output on limited screen area is solved with flexible screen size (screen size is adjustable) and with screen scrolling operation.*

*Keywords: remote access, remote computer, telnet client, mobile phone*