

ABSTRACT

Network management is one way to manage and monitor equipment so the network can run optimally. Generally, the applying of network management will be done by console manager, such as CLI (Command Line Interface) or windows applying. But, in the reality network administrator can't always be in front of this console so if there is a terrible and the administrator isn't in front of console, it will be a great case that should be solved.

The important of network management is supporting network operation so it's really needed a network management which can be done in every time and every place. In this final report, it's developed network management system to mobile device which can be used to monitor network traffic and operate the basic of SNMP. Besides that, it is also completed with trap handle and rules of user system. For developing this application, it is used J2ME (Java 2 Micro Edition) technology which is one of java technology that purpose for application development to mobile device. Because network management system is distribution system so it is used SOAP (Simple Object Access Protocol) for transferring needed data.

After doing research, it can be applied together with SOAP for developing network management system based on RPC application to handheld device.

Key Words : *Network Management, J2ME, SOAP*