ABSTRACT

Network management was needed when the network in organisation are expended with more complicated equipment for each vendor. The using of (Short Message Service) technology and TCP/IP protocols like ICMP (Internet Message Control Protokol) and SNMP (Simple Network Management Protokol) can help a Network Administrator to monitoring the network so they can knew the latest condition of the network.

On this final project was developed an aplication to monitoring the router status from SMS (Short Message Services) in Router-Intranet Telkom Long Distance (DLD) network, when the SMS was sent, it was contains information about bad conection of routers which we can know from cheking all routers from all servers. Beside that, to know the network condition, this aplication can supported administrators to ask the server about information of SNMP trafic interface agent and the utilisasi of the network from the latest SMS.

The result was showing the condition of the real network information which can be monitoring faster from network administrator, so the good decission about the monitoring network can be done quickly before there is some complain from the custumors .