ABSTRACT

In the communication system of GSM being known there is some facility to send and receive short messages which is called *Short Message Service* (SMS). With this facility someone could ever send and receive message at 160 character length in maximum.

Beside the basic service formed ability to send and receive message, this service yet could be developed into a new service such as information accessing to server database to gain short information like status information sets of equipments in some company which been being monitored in a real time manner.

To embody this kind of service, a gateway is needed to be become a connector between content provider and GSM network. Each mesaage which been addressed to this gateway will be translated as some information request to database. At the next step, gateway will contact the server database and seek information which is mentioned before. This result will be sent to customer who accessing information in form of SMS message.

This Final Project has it purpose to design and realize SMS Gateway which make user, in this case are outside workers of PT Telkom, have possibility to access short informations concerning the condition some sets of equipment by their GSM cell phone using the SMS facility.

In the end a worker doesn't have to be in front of the monitoring computer to find out the condition of some outside equipment, but only with his GSM cell phone, wherever he is, he could still able to know the condition of some outside equipment with SMS.

Key words   : Optical Network Unit (ONU), Short Message Service (SMS), Database