

## **ABSTRACT**

The telephone central device is an expensive device which usually called as a centre of communication system. Therefore Central telephone must be monitored continuous in order to find out ideal temperature of central telephone and also make the performance of central telephone optimize. The distance temperature monitoring will help the operator to find out the temperature of central telephone.

Monitoring is process which done continually for something that being an object observation. In this final project will monitoring the temperature of telephone central. Monitoring can be done in long distance when someone not in that place but they can still receive the information. SMS(*Short Message Service*) is a service that happened in cellular phone to send and get a short message. The SMS is sending from cellular phone to SMS centre (SMSC), in it can store the message and try to send it for many times.

In this final project the author creates an application that can monitored the temperature of telephone central from distance by their cell phone which made an acces to computer server in order to get an information about the condition of temperature of telephone central by sms (short message service). If there unusall temperature, the system will send an sms as an alert to operator cell phone.

**Key Word** : *Microcontroller, Monitoring, SMS*