ABSTRACT

Remote Switch Power Device Controller by SMS / Short Message Service is a tool used for control switch of power supply of electrical devices by remote. This tool use SMS to carry the command will be executed.

Todays, most of switches in electrical devices is still manual or conventional, to turns on or turns off the device, we must press or turn it directly. We cannot did it by remote, from other place, in faraway. With this tool, we can control the switch everywhere, everytime by send an SMS with format content and destination number had been defined before.

Developing of this Final Project is based on result of analizing and structured desaigning use Waterfall modelling methode. The resource requirement for this project include hardware and software. The main hardwares are mobile devices, serial cabel data, AT89C52 Atmel Microcontroller, and control circuit. For software, it use Sim8052 to simulate the program, Protel to design PCB, and some converter tools.

Key Words : *power supply, SMS, mobile device, control circuit, microcontroller*