ABSTRACT

With current advances in technology, many electronic devices that require substantial resources. If the amount of power that must be supplied to the electronic device is proportional to the population that is increasing well developed, then the power needed for electronics devices is quite large. This is not proportional to the number of limited power and the average dependent on natural resources.

In this final project will be carried out design and testing automatically switches to reference a specific time interval based atmega 8535 microcontroller. Working principle is similar to devices analog timer, the timer will be off if the time has been set up. The difference between the analog timer with automatic switch is located on atmega 8535 microcontroller using a processor set time. Block microcontroller which functioned as a switch installed, during the interval of time has not set out the current from state electricity company could still runs through the device. To overcome the excess burden or power failures will be installed on the fuse block as a protective component of microcontroller and electronics devices. Expected outcome of this digital timer can function in accordance with design specifications that have been made.

Keywords : microcontroller atmega 8535, automatic switch, set time, electronics devices