ABSTRACT

Electrical energy has become one of the basic needs of humans. With the development of technology that uses electrical energy, humans indirectly affect electrical energy. Electrical consumption in indonesia increases every year with national economic growth. The increases in electrical demand is estimated to grow by an average of 6,5% per year. This device makes use of the use of an LED by using an ultrasonic sensor to inspect objects passing through a corridor and provides an output of light intensity based on the distance from the object . In this final project, it can be concluded that using this device can provide a source of electrical energy of 2,25 KWh per month. Turns on at 18.00 WIB and goes out at 06.00 WIB.

Keywords: Ultrasonic Sensor, Arduin