

ABSTRACT

The need for electricity in this era of globalization has become a primary need for the community and everyone uses it for various purposes both at home, offices, factories, etc. Electricity consumption which continues to increase every year resulting in depleting petroleum reserves, and have an impact on the increase in PLN's basic electricity tariff (TDL).

So that awareness is needed from the community to save electricity. The saving of electricity consumption will have a positive impact on national electricity. The purpose of this study is to monitor the use of 3-phase electric power and control the use of electrical energy through a monitoring program.

This final project research aims to create a tool that can monitor the use of electrical equipment using the Internet of Things feature. Microcontroller used in the form of Arduino Mega Mini. The results of data on the use of electrical equipment will be displayed to thingspeak.

Key Words : *Electric energy, Arduino Mega Mini, Internet of Things.*