ABSTRACT

Currently prepaid kWh Meter with the system is a measure that starts used by many customers of electrical energy. This measure has many advantages from the appliance in the previous purchases of electrical energy in the prepaid. Only on the kWh is still the existence of monitoring is done by the reseller services electrical energy and information about the usage of electrical energy to the customer is still less informative so that the customer should perform monitoring manually.

From the problem resulted in the idea to design the electrical Monitoring System based on Internet House of Things where prepaid power customers who will monitor the power consumption of the house no longer need to manually because the system will display the power consumption information in a way that is more efficient. This system is also connected with Wifi module (*Wireless Fidelity*) data that can be accessed through the Wifi network.

Keywords: Smart Monitoring System, *openenergymonitor*