ABSTRACT

Electricity is one thing that cannot be separated from human life today. Almost everyone needs electricity for their daily activities. However, energy savings are very important to do considering that recently there has been an energy crisis in the world, automatic electricity management is one of the steps to control the cost of electricity. This way the user can find out how much energy is used in real time.

Given the problems it needs a system for controlling and monitoring of electricity usage based on a website. The system can make it easy for users to control electricity usage. Sensors that have been connected to the internet network will be displayed on the website. . The data is sent in real-time using Google's database that is Firebase. *The data sent functions to know in detail the consumption of energy costs per month for each connected device.*

With this application, it can provide easy monitoring and controlling of electronic equipment. The average delay in the test for sending data from website to the devices 1.4 seconds using Indihome connection. Based on the results of the questionnaire, respondents answered 80% of this application interesting to use and 64.3% of this application runs in accordance with its function.

Keyword: electricity control, electricity monitoring, information systems, Google scheduler