

## **ABSTRACT**

Today, the use of automation technology begin to increase not only in manufacturing industries, but also has begun to be used for management of electrical energy in a building. The application or use of automation technology in the management of electrical energy is intended to limit the use of electrical energy in a building in order to avoid wasting energy sources and for easy monitoring and control system. Control and monitoring require design of SCADA system (Supervisory Control and Data Acquisition).

Use of SCADA can provide some important information related to the use of electrical energy in a building. All information is urgently needed to analyze the activity of the use of electrical energy, do the anticipation of the obstacles that may occur, beside that as consideration in making a decision on the problem that occurs. Because of the importance of information for energy management, it is needed an easy way to obtain or access such information.

In this research, a website that can be used to facilitate the operator in accessing information from SCADA systems online. In this case is designed an approach for SCADA design based on website using the Wonderware Information Server.

The results of this research are obtained by the website which can be accessed online. Website design has been successfully carried out to provide easiness for controlling and monitoring the SCADA system directly in the wider range of access.

**Key Words :** Website, Automation, SCADA, Wonderware Information Server