ABSTRACT

The home automation system is one of the most talked about topic today. Where this system allows its users to control their home easily without worrying about the long distance. home automation systems are more focused on home security systems can be monitored remotely so that users of this home automation system do not have to worry about the circumstances of their homes, although the house they leave in the absence of the owner. A home security system will be more easily monitored by using website applications with Android-based and also will be made web-based applications. The tools used will be adapted to what tools will be used in this home automation system.

In the history of its own development own home automation system has experienced many developments along with the number of home devices that are able to support home automation system. With many electronic devices capable of supporting home automation systems, so many systems can be combined with other systems.

To improve the performance of the home automation system itself, it also needs a software that is able to improve the performance of the system itself. The features offered in the software itself represent the functions of a home automation system itself so that the functionality of the system itself can be optimized well according to the needs of the user.

In this study, an application was created that could support the control board to configure. This application can configure various devices installed on the control board to be used. Then the number of channels offered is in accordance with the number of channels installed on the board. After the device is configured, the device will then be monitored using a website-based application whose data will be updated according to the data that has been set.

Keyword: Automation System, Web Application, Website Application.