ABSTRACT

Home security is still a matter of concern for many people. Due to the lack of security there has been a lot of burglary. There are so many threats in it, namely problems such as forgetting to lock the house, the owner of the house losing his key, worrying about the house being burglarized or theft and other bad events that threaten valuable property. Losing valuables is an occupant's anxiety when leaving the house. Much effort was put into dealing with this problem. One such effort is to use the house theft alarm. However, alarms that are often used today have features that are still considered lacking as a security system.

This product aims to increase security using a smart alarm. This device can be controlled remotely via web services so that it can overcome negligence in locking the house. Web services is working to save all activity and status on detectors and sirens. Smart alarm will help remote security that is connected to household devices. Thus reducing the threat of burglary and loss of valuables.

The results of the functionality testing on the features contained on the website can be accessed by admins and users. The results of the connectivity test, data from the detector and sirens are seen on the website with the 1st to 6th tests, the average delay is 0.285 ms which can be concluded that the connectivity is quite good.

Keywords : *Web Services, Smart Alarm, Internet of Things*