ABSTRACT

Security is one of the most important needs. Where security is very necessary in equipment storage, room security, and many more needs that are in the name of security, and of course security will provide a sense of security. In my research this time the design of an IoT-based anti-theft security tool is very necessary. To improve and increase security, an IoT-based anti-theft security tool was created. Electronic components consist of a PIR sensor, and other supporting components as a complement. The system will also be equipped with Nodemcu Amica and the Telegram Application as a notification tool to owners with telegram notifications. The results of this study indicate that the PIR sensor functions to detect something. Tests prove that messages can be sent when the sensor detects something moving. While at long distances the tool can still work while still connected to the internet. To add to this security, an IoT-based anti-theft security tool was designed.