

ABSTRACT

The charity box is a medium for humans to do good by donating a small portion of the fortune they get. Currently the security system applied to charity boxes is still simple, namely using a conventional padlock. So that there are many cases of charity box theft, therefore a charity box security system was created using a GPS module.

In this Final Project, a tool is designed with the title Mosque Charity Box Security System Using GPS Module Based on Internet of Things (IoT) where we will monitor the charity box. By using the GPS Module we can track the location of an object. This GPS module is already connected to an application on the device that owns this module. In addition to the GPS module this project uses a finger print sensor as a charity box access, this sensor has been connected to ESP8266. This security system is based on the Internet of Things (IoT).

The result of this Final Project work is a mosque charity boxsecurity system that can detect various kinds of threats to mosque charity boxes using technological security methods. By carrying out test consisting of when the charity box was opened via fingerprint access, invalid access to the charity box, the charity box was taken by thieves.

Keywords: charity box, gps module, security