



PROJECT REPORT
HOME SECURITY SYSTEM USING ESP8266
MODULE BASED ON INTERNET OF THINGS
(IOT)



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2020

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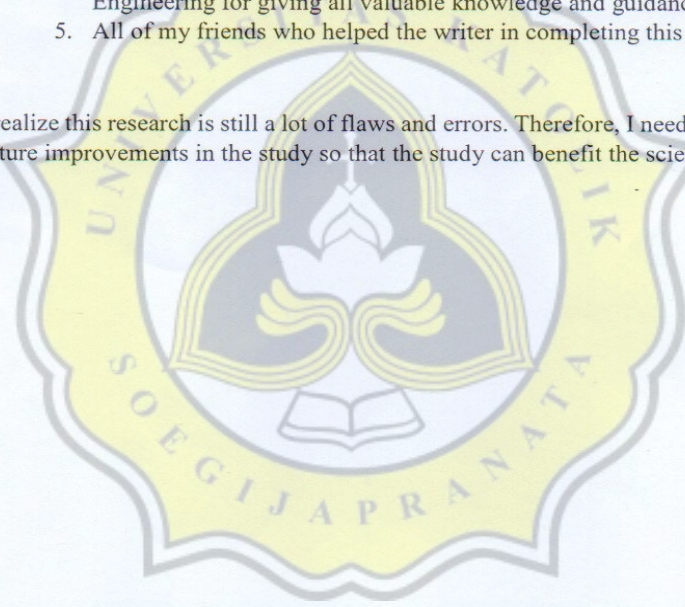
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I realize this research is still a lot of flaws and errors. Therefore, I need criticism and Suggestion for future improvements in the study so that the study can benefit the scientific reader. Amen.



Semarang, July 10, 2020

A handwritten signature in black ink, appearing to read 'Kristian', is positioned above the name 'Kristian Adi Wijaya'.

Kristian Adi Wijaya

ABSTRACT

The purpose of this project is to make people who lived in boarding house feel safe when they got day off and going to their own home at another city. The definition of a safe house has meaning being free from danger, distraction and being protected, and avoiding fear of risks and potential dangers in and around a home which may cause bodily harm, injury, or even death to those residing in and around the physical structure of a home. (https://en.m.wikipedia.org/wiki/Home_safety)

Using flame sensor to make sure the room is not on fire, placed over the electric socket, infrared sensor to make sure there is no people coming through the door, placed on the wall in front of the door. The data from the sensor will sent using ESP8266 module as a Wi-Fi receiver, the data will sent to Thingspeak (www.thingspeak.com) as a database.

This project is able to detect the boarding room's security. So people no need to worry about their room even their going to another city, because the data can be seen from their own smartphone.

Keyword:infrared, flame sensor, esp8266, thingspeak.

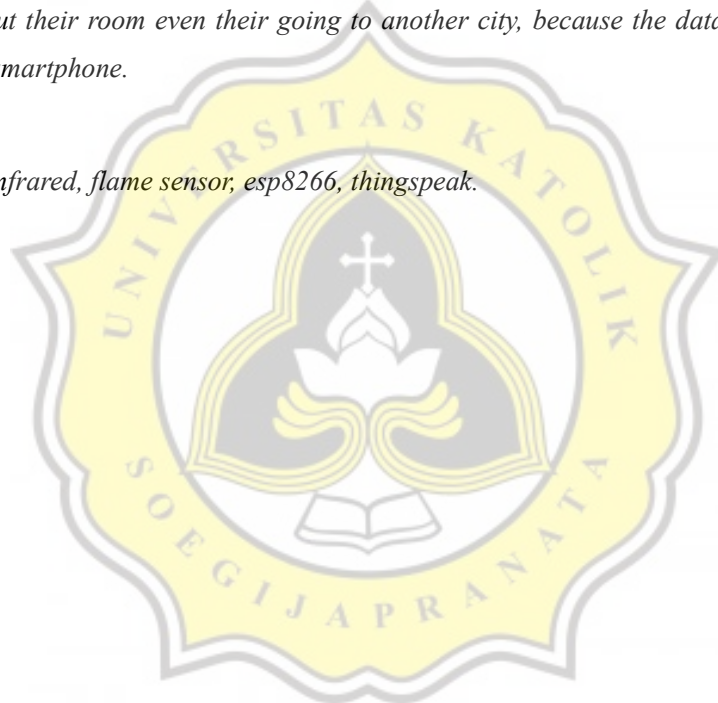


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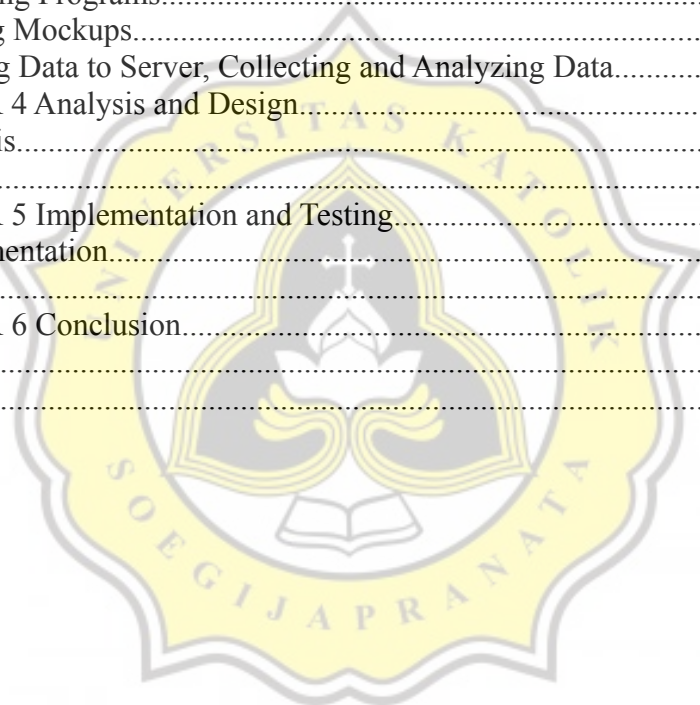


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