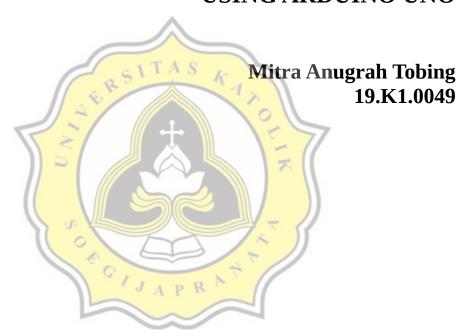


PROJECT REPORT FIRE DETECTION EARLY WARNING SYSTEM USING ARDUINO UNO



Faculty of Computer Science Soegijapranata Catholic University 2020

APPROVAL AND RATIFICATION PAGE

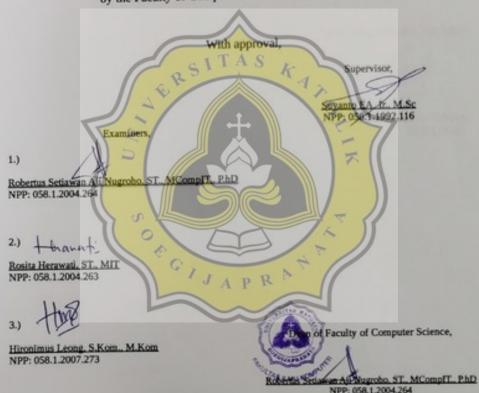
Fire Detection Early Warning System Using Arduino Uno

by

Mitra Anugrah Tobing- 19.K1.0049

This project report has been approved and ratified

by the Faculty of Computer Science on January, 10, 2020



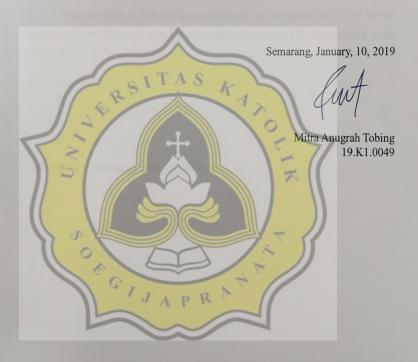
STATEMENT OF ORIGINALITY

I, the undersigned:

Name : Mitra Anugrah Tobing

ID : 19.K1.0049

Certify that this project was made by myself and not copy or plagiarize from other people, except that in writing expressed to the other article. If it is proven that this project was plagiarizes or copy the other, I am ready to accept a sanction.



ABSTRACT

In a fire disaster some things are needed to be considered in detection early fire disasters, such as estimating climate change and looking for causes caused by humans such as forest fires or human error factors. With the advancement of technology in the present era, various sophisticated device have been applied in fire detection system.

With the presence of Arduino can be very helpful in detecting fires, each fire arises will be inputted using fire sensor by emitting infrared which is transferred to be converted into analog read numbers. In this project also uses the dht11 sensor and fire sensor, then added the LCD which will be used to display the results of the two sensors, all sensor results will be recorded into one file and entered into micro SD.

From the results of these two sensors the results will be inputted into a CSV file and saved to the micro SD, so the recording can be read when opening a file that is already on the



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