TITLE OF UNDERGRADUATE THESIS

UNDERGRADUATE THESIS

Submitted As One Of The Requirements To Obtain
Sarjana Teknologi Informasi

By:
ENRICO ISYA SAVARA
001201800007

FACULTY OF COMPUTING
CIT STUDY PROGRAM

CIKARANG
JUNE, 2023

PANEL OF EXAMINER APPROVAL

The Panel of Examiners declare that the undergraduate thesis entitled (Title/Bold) **HUMID DETECTION AND TEMPERATURE USING ARDUINO** that was submitted by Enrico Isya Savara majoring in Computer Science from the Information Technologywas assessed and approved to have passed the Oral Examination on June 26, 2023

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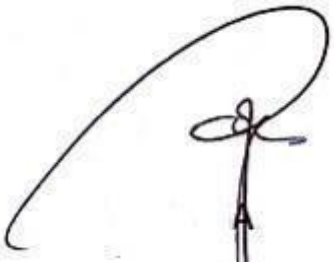

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HUMID DETECTION AND TEMPERATURE USING ARDUINO

By

ENRICO ISYA SAVARA
001201800007

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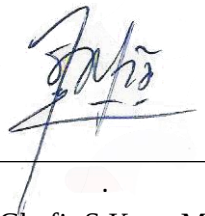

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Cutifa Safitry,Ph.D
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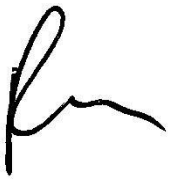

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In my capacity as an active student at President University and as the author of the final project stated below:

Name : Enrico Isya Savara

Student ID number 001201800007

Study Program : Information Technology

Faculty : Computer Science

I hereby declare that my final project entitled "**HUMID DETECTION AND TEMPERATURE USING ARDUINO**" is to the best of my knowledge and belief, an original piece of work based on sound academic principles. If there is any plagiarism detected in this final project, I am willing to be personally responsible for the consequences of these acts of plagiarism and will accept the sanctions against these acts in accordance with the rules and policies of President University.

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ID number : 2002090010

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Thesis author : ENRICO ISYA SAVARA

Student ID number 001201800007

will be published in **journal** / **institution's repository** / **proceeding** / **unpublished.**

Cikarang, June, 2023

Abdul Ghofir

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HUMID DETECTION AND TEMPERATURE USING ARDUINO

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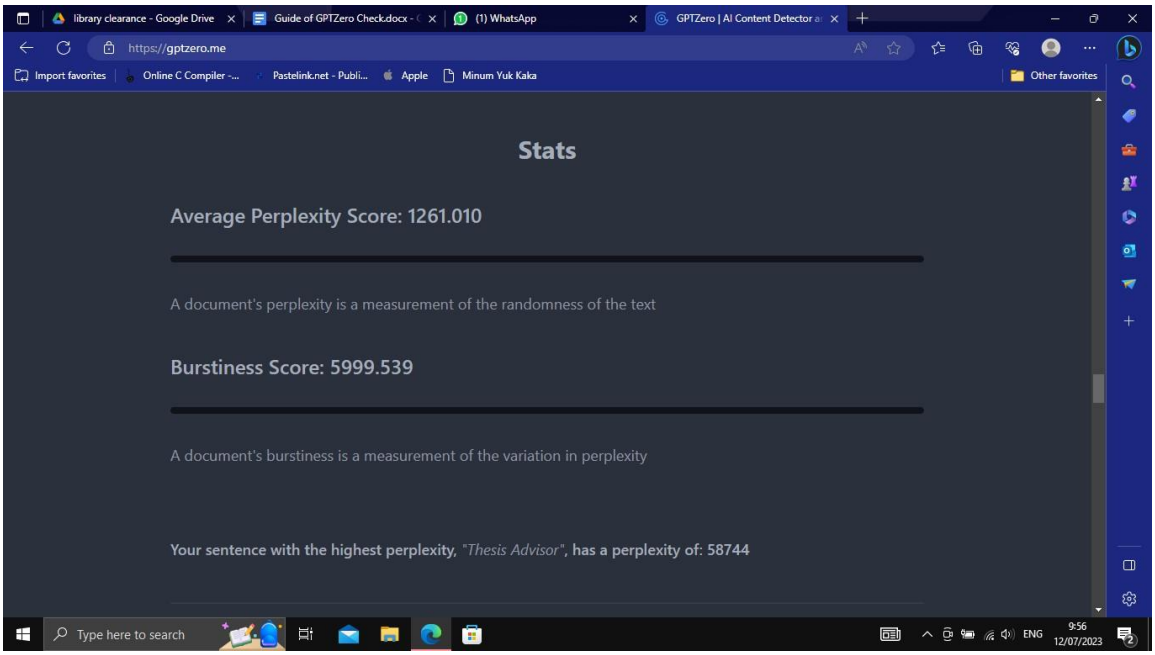

ABSTRACT

Air humidity is a measure of the amount of water vapor in the air. The development of electronic materials and fiber optics has supported the development of various types of air humidity sensors and measurement techniques. Air humidity measurement is very important in various industrial sectors such as the food processing and storage industry, agriculture, pharmaceuticals, biomedicine, chemicals, ecology, and monitoring of atmospheric weather conditions. Temperature, or air temperature, is a condition that is felt on the surface of the earth as hot, cool, or cold. The Earth's surface receives heat from solar radiation in the form of electromagnetic radiation. The radiation emitted from the sun does not entirely reach Earth's surface. This is because, when it enters the atmosphere, the rays of the sun experience reflection, scattering, and absorption by materials in the atmosphere. A minimal room temperature monitoring system is one of the fatal factors that can be dangerous, and remotely monitoring people can determine the temperature condition of a room without having to directly observe it.

ACKNOWLEDGMENTS

I'd want to convey my heartfelt gratitude to everyone who have always been supportive of me as I worked on this final project:

1. I congratulate myself for working tirelessly on and completing this final project.
2. To my parents, who have always backed me up and prayed for me.
3. Mr. Abdul Ghofir, thank you so much for agreeing to be my final project advisor.
4. All of my lecturers who have provided me with information over the last few years, and I am really glad to have been a student of all of them.
5. For my friends and friends who always pray for me and support me in any situation, I express my gratitude.

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