



Development of An Automatic Heat Control in Chicken Coop Using Arduino Uno
Microcontroller

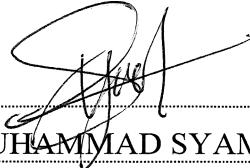
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DECLARATION

“I declare that this report entitled “DEVELOPMENT OF AN AUTOMATIC HEAT CONTROL IN CHICKEN COOP USING ARDUINO UNO MICROCONTROLLER” is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree.”

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ACKNOWLEDGEMENT

In the name of God, most merciful, Alhamdulillah that we can complete the task until now. This task would not complete without the help and support of many individuals. I would like to thank them for their help.

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Other than that, we also like to express our gratitude towards our parents. Without their support, we cannot do this project until now because this project needs a lot of money. Also special thanks to this group member for never give up.

ABSTRACT

This project aim to assist people who are rearing chicken by controlling the body temperature of the chicken in a coop. The objective of this project is to study the measurement of suitable temperature in chicken coop and use of arduino uno microcontroller. By developing an automatic heat control using microcontroller, this will assist entrepreneur to use new technology in chicken farming. This project consists of using temperature sensor which is LM35 to detect the temperature. When the temperature below 29°C ac lamp will turn ON. Otherwise, when the temperature above 33°C ac lamp will turn OFF. In conclusion, by developing this project this could lead to a new technique on chicken farming.

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