CONSTRUCTING SENSOR MODULE
FOR ONLINE ENVIRONMENTAL MONITORING

By

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STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

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ABSTRACT

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Environmental sustainability has direct impact to the quality and sustainability of human life. This issue has been discussed lately in many global forums. However, most people tend to neglect it because there is no reliable sources of information that are publicly available to build good environmental awareness. In fact, nearly all human activities will affect the quality of their environment. This thesis is a small step toward this global issue to help giving factual information, by providing solution in the form of Internet of Thing (IoT) module. The results are plotted in graphs to ease the users and can be accessed via web to facilitate people to get new information quickly. The working environment is also important because there will be a difference between indoor result and outdoor result.

Keywords: environment, Internet of Thing, embedded system, WiFi, monitoring, web cloud, sensors, online

DEDICATION

I dedicate this works for God, my beloved family, my advisor, my friends and the future of country I love: Indonesia.

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