



PROJECT REPORT
INFORMATION SYSTEM ON WATER TANK
AND HOME GATE SECURITY SYSTEM USING
DOMOTICZ

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APPROVAL AND RATIFICATION PAGE

Information System On Water Tank And Home Gate Security System Using

Domoticz

by

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This project report has been approved and ratified

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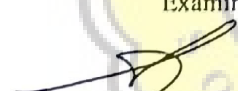
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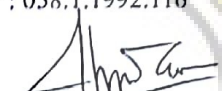

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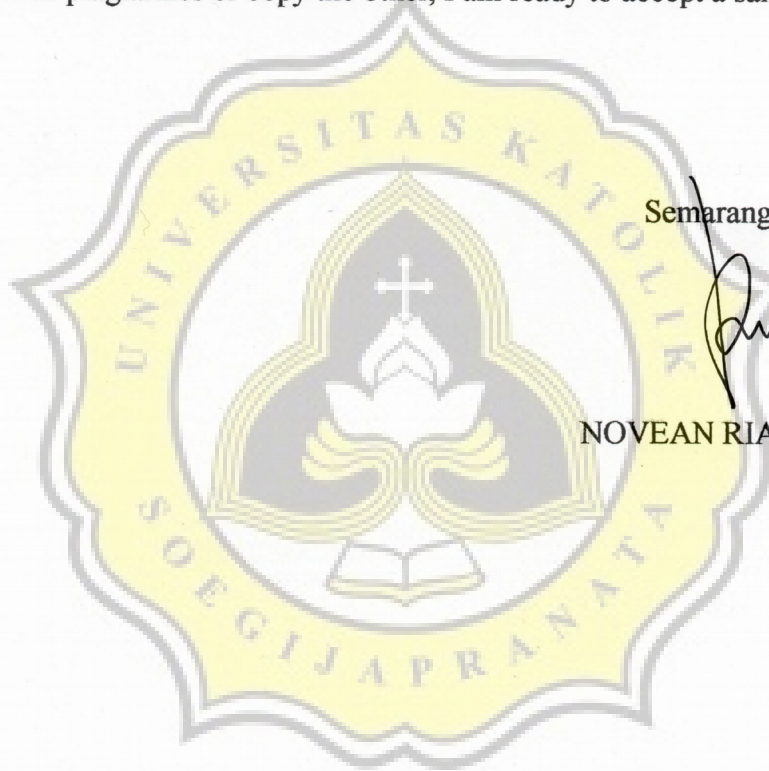
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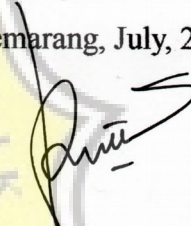
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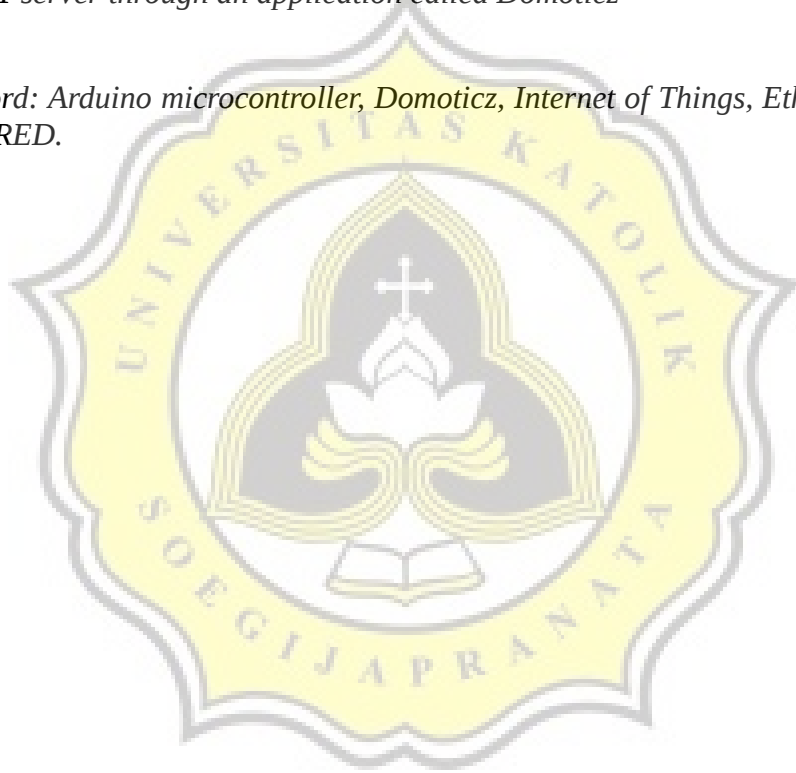
ABSTRACT

Uncontrolled use of water, water filling in overflowing tanks and the intricate home gate security system is a problem at the moment.

To make use of water to be controlled use the water flow sensor to read the discharge of water that has been used, automate the filling of a water reservoir using water level sensors, securing and washing the gate otomastis using obstacle and servo sensors.

For the end result of this project, users can monitor the water discharge used, monitor the security of the gate and operate the gateway locking through the IOT server through an application called Domoticz

Keyword: Arduino microcontroller, Domoticz, Internet of Things, Ethernet Shield, Node-RED.



PREFACE

In this final report it has from several chapters consisting of 6 chapters. In the first chapter describes the background of the project created and the objectives to be achieved in making this project. In this second chapter will examine, develop and distinguish other projects that have been made. In the third chapter contains the research methodology used in making this project. In the fourth chapter contains the microcontroller analysis of sensors and what tools are used and explains the outline of how each tool works as well as the project design is made in the flowchart and system design. In the fifth chapter contains a narrative explanation of important program code fragments and experiments that have been made by the manufacturer. In the sixth chapter will contain the final conclusions of this project and suggestions for future projects.

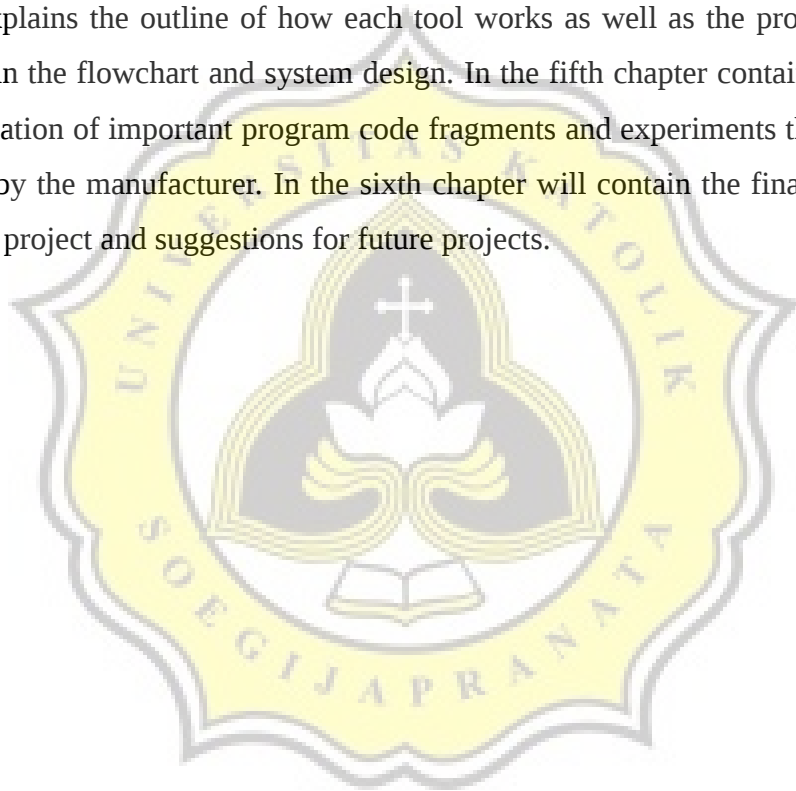
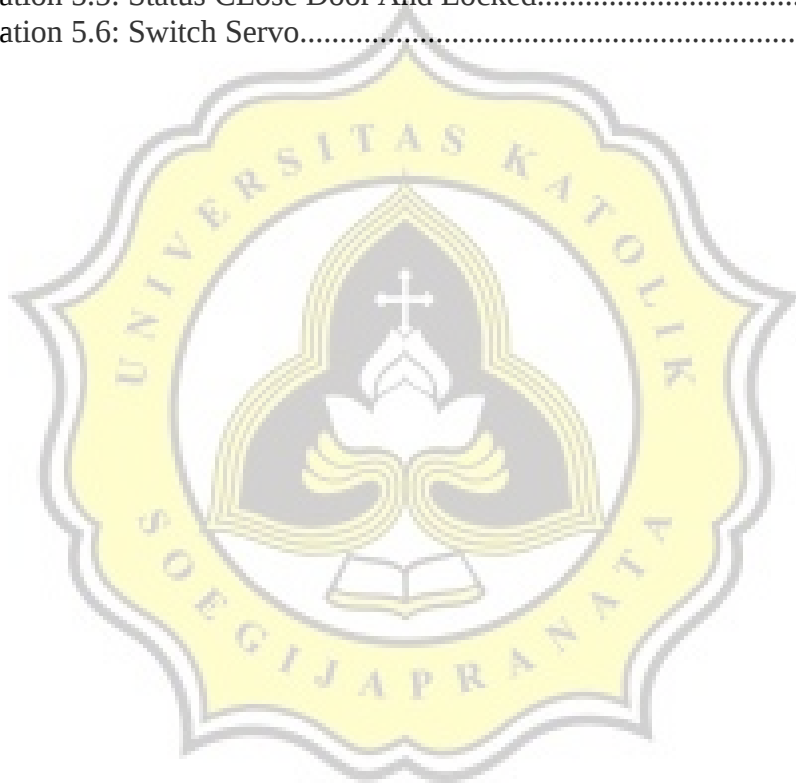


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