UNIVERSITI TEKNOLOGI MARA
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FINAL REPORT OF DIPLOMA PROJECT

FACULTY OF ELECTRICAL ENGINEERING

AUTOMATIC TEMPERATURE CONTROLLER

NOR JASMI AB. RAHMAN 98122802

ROSZALIZAN AB. RAHIM 97119709

ABSTRACT

Today we actually on the go the new era of technologies. Time change and everyone try to find something different from others, especially the latest technology. Computing, communication, information technology and micro-electronic are the most interested field that scientist concentrate for.

Thus we try to familiarise ourselves with the part of this technology by construct the project which use the thermostat to detect or maintain the temperature of the load. It system have two preset level higher and lower level.

For our project, we use 18V DC supply, a few passive component such as resistor, capasitor and diode. We also use some active component such as Linear Ics and transistor. Another component we use is relay, thermostat and buzzer. These entire components are easy to get from our local electronic component supplies.

Finally we can saw the same application in the heater, iron and also at air condition.

ACKNOWLEDGEMENT

ASSALAMUALAIKUM W.R.T

    With the name of Allah S.W.T. the most gracious and most merciful and to our Prophet Muhammad S.A.W. and his holy family.Thanks to Allah for giving our opportunity to complete this project successfully.

We would to express our deep sense of gratitude and appreciation to our project's supervisor Mr Tuan Hj. Mohd. Noor and to all lecturers for their consistent help and guidance as well as prevision of their variable time, encourage, knowledge, ideas and patient during the period of completing this project.

    Only Allah could pay back their kindness and we will appreciate until the rest of our life.We also want gratefully to all members to all their support, ideas and technical expertise.

    Lastly, thanks to our lovely parent for giving us moral support and financial to do our project.without them we can not complete this project.Finally this expression also goes to all our friends for willing to help us on during our research .

<div align="center">WASSALAM</div>

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OBJECTIVES

Main objective in this project is to fulfil the desired by subject KEU 380 because the credit hour is three credit hour.From this project also, we want to study and learn more about the function of each component.If we study more about theory only, we may not understand so much.So, when we did this project, we hope we can add more knowledge about each component.Other that we also want to get an experience for our future especially in designing circuit and analysis circuit.When we go in job scope, we hope from this project, it will help us more easier to get a job.We also want to practice everything that we had learns since Part 1 until now like Electronic 1, Electronic 2, Network Analysis, Digital and others.Other that we want to learn how to analyse and to simulate the circuit.We also want to add more experience about new technology today because today, equipment of technologies is growing up.Then we also want to practice the theory that we had studied.Lastly, we want to train how to create the work systematically when do some project and how to handle it.We hope after we did this project, we can work more effiency.