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FINAL REPORT OF DIPLOMA PROJECT

APPLICATION OF INVERTER (AC TO DC) AS AN INPUT TO THE LOAD

DATE: 18 FEBRUARY 2005

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ACKNOWLEDGEMENT

With the name of ALLAH S.W.T the most gracious and merciful. Thankful to the all mighty of ALLAH S.W.T for giving permission to go through and finally finish this project with successfully. This project would not be success without supporting from others people. If there is any person that must give deepest sense of gratitude in completing this project, it would a supervisor, Cik Saodah binti Omar for his never ending patience dealing with every single problem that had and her generosity for sacrificing her precious time in order to give a guidance and advice. To express the deepest gratitude for the essentially financial support. Not to forgot all of friends who have been so kind for give a helping hand and brilliant ideas once on a time. Would like to show a gratitude once again to all who had been involved in making this project a success by saying thank you very much to all of you from the bottom of our heart and may god bless you.

ABSTRACT

Application of inverter as a input (AC to DC) to the load used as control something devices to move, rotate, and drive using input and inverter part to the motor, light and relay. This layout is design from electric component that will supply voltage to the load (motor and lighting system. according to the previous project, this project will become a modern technology use at the future.

This project function as a output from the AC to DC inverter, that will show that the circuit will produce 12V DC voltage to move the motor and lighting system.

The main future of this project is to build higher load to the system. As a result, the output is state when its input voltage and inverter voltage supply rises above a certain reference voltage. The output will activate a relay to operate the motor and the relay contact may be used to operate an external light to show the output.

The application of inverter ac to dc as an input to the load is differ and highly efficient design developed from a previous electronic project.

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CHAPTER 1

INTRODUCTION

1.1 Background

These projects are introducing the application of inverter (AC to DC) as an input to the load. The load is supposed to sense the difference between the voltage supply the input, inverter, and produce voltage at the output.

This project is a activate switch function and it is very useful if connected to something devices such as motor, mechanical relay, and light. This is because the concept that are use now is about inverter (AC to DC) as a input to the load that can be used to change a signal from analog to digital.

The output state when its input voltage and inverter voltage supply rises above a certain reference voltage. The output will activate a relay to operate the motor and the relay contact may be used to operate an external light to produce output.