"DESIGN AN AUTOMATIC CURTAIN USING LDR"

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ABSTRACT

In this semester, faculty of Electrical Engineering Mara University of Technology was describing to their students to make a "Smart Home" for final project. Smart home is house that will give much benefit to us. There are many devices that we must use for completing one smart home such as automatic curtain for window, alarm sensor, heat sensor and etc. In this Smart Home project we choose to build automatic curtain for window as one device to completing one Smart Home.

"Design an automatic curtain using LDR" is our name project. This project has been design to close and open the curtain at the window with automatically depends on the light and dark. The dark on relay circuit has been using in this project as an automatic controller to close and open the curtain. When dark level is low or light situation the curtain at the window will be open automatically. However, when dark is high or dark situation the curtain will be close automatically.

The advantages of the automatic curtain for window are making our life easier. Every house should use this device because it made our house more comfortable and smart. Almost house at the foreign country such as Europe and Japan use this controller for make their life comfortable and easier either they staying at a house or leaving their house.

ACKNOWLEDGEMENT

With the name of ALLAH S.W.T the most gracious and most merciful,

Our sincere appreciation must be to the instructor who have read this project and sent in comments, corrections and suggestions for completing this project paper.

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1. INTRODUCTION

1.1 BACKGROUND

Our project paper is Design An Automatic Curtain Using LDR. It is important, therefore for the project to cover throughout the functional and preface of the automatic curtain using LDR and at the same time to understand.

This project is design an automatically to move curtain. The curtain will be opened an automatically when there is a light situation and will be closed an automatically in the dark situation using "DARK ON RELAY (NO LIGHT ON) CIRCUIT". The curtain can be move manually by using a switch where we can add the switches in the controller system of curtain.

This project is also flexible and quite economical too.