AUTOMATIC DUSTBIN

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A project report submitted in partial fulfillment of the requirements for the award of the degree of Diploma of Electrical Engineering (Electronics)

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OKTOBER 2014

"I declare that this report entitled "*AUTOMATIC DUSTBIN*" is the result of our own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree."

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ACKNOWLEDGEMENT

All praise for Allah S.W.T the lord Almighty and Salam to Nabi Muhammad S.A.W.. First of all, we would like to express our profound gratitude and deep regards to our guide mentor faculty for her exemplary guidance, monitoring and constant encouragement throughout the course of this thesis. The blessing, help and guidance given by her time to time shall carry us a long way in the journey of making this project into successful.

We also want to thank our coordinator in showing us the way of the progress throughout the start of final year project 1 to final year project 2 by her cordial support, valuable information and guidance, which help us in completing task through various stages. We am obliged to staff members of FKE, for the valuable information provided by them in their respective fields. We am grateful for their cooperation during the period of our progressing project.

Next, we would like to express our gratitude to our supervisor Madam Nor Hidayatul Hikmee for the useful comment, remarks and engagement through the learning process of this FYP project. Last but least, we would like to thank our members parent, brother, sisters and friends for their constant encouragement without which this project would not be possible.

ABSTRACT

The project is designed as a system that can help reduce the burden on us and helped manage the clean house or our vicinity. This project has two sensors that detect an individual that is close to the trash can and the lid opens by itself, to give opportunities for individuals to throw trash into the bins. Next, another sensor will sound when the lid which are not able to touch the surface of the buzzer. This system will bring awareness to consumers that the trash is full and also the opportunity thrown away. A key component of this project is the infrared sensor and the motor solenoid. Simulation has been exhibited through PROTHEUS as confirmation to the development of the project.

TABLE OF CONTENTS