

GREEN ENVIRONMENTAL AQUAPONIC

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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)

Faculty of Electrical Engineering
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MARCH 2015

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ACKNOWLEDGEMENT

In the name of ALLAH S.W.T. The Most Gracious and Most Merciful.

Alhamdulillah and thankful to the Allah S.W.T. for give us strength and enough time to overcome the problem we faced this final project. Firstly, we feel very grateful because at last we successfully complete this project until this stage. We would like to say a big thanks to those people that involve in helping us to complete this project.

This proposal will not doing great without the help of our supervisor Sir Ahmad Izzat Bin Mod Arifin, who is the anchor and the man lead to our group also always giving us a lot of advice and knowledge on how to do the project correctly and smoothly. Although he is busy with his job, but he willing to share his time to make sure our project successfully.

Besides that, we also want to thanks to all lecturer and staff from faculty of electrical engineering for their cooperation, and encouragement and giving us a lot of important information. Their also help with giving us good suggestion to overcome a problem mainly seeking for some of information regarding to this project.

Another special thanks to our friends who is willing to help us during the proses to finish the project and their support. By all these peoples' help, we finally have complete our project successfully. By involving ourselves in these project, we could know how to value of cooperation between us in group, toleration between us and patient in order to complete these project. Lastly we would like to say thank you for those people that involving in completing these project.

ABSTRACT

This aquaponic project involves between aquatic life and vegetables. The interaction between both of them is they used the same water to achieve their own productivity. In this project has been focusing on urban people that don't have a space to plant vegetables. In this case, urban people can use this project to make a little space an efficient as possible even they live on condominiums or flat. The LED will be turn on when the water level reaches a certain point. If the water level below normal level, it will trigger the solenoid valve outside the aquarium. The water will goes into the aquarium until it reaches normal level. If the water level above the normal level, the water pump inside the aquarium will be ON. Water will goes out from the aquarium until it reaches normal level. This system also will display water temperature. If the water temperature below than normal range which is between 27°C to 32°C, the water pump in the aquarium will be turn ON. Thus, the water will be out from the aquarium. Furthermore, the LDR will takes responsible during dark days and night, the LED on the plant will be turn ON.