

DESIGN OF AN AUTOMATIC AND LOW-MAINTENANCE WALL MOUNTED AQUARIUM

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ABSTRACT

Our project title for interdisciplinary Engineering Design Project (EMS 363) UK Degree Transfer Program is “Design of An Automatic and Low-Maintenance Wall Mounted Aquarium”. In this project report, it will contain all the research, experimental and results of our group in 4 months regarding to our project title. This project was undertaken as the requirement for the completion for the UK Degree Transfer program Semester 6, Inti College Malaysia which is the combination between Civil, Mechanical and Electrical & Electronic Engineering.

Through this project, the reader will be encourage to concentrated to our main concept regarding to our aquarium design background, mechanism of the pumps system, flow system and losses in the pipes and electrical & electronic circuits so that they will able to get the briefly understanding about our main purpose of the project title. The more technical and knowledge for engineering students will benefit them to understand out project easily especially the circuit’s connection for the electrical and electronic part.

The main important part in this project is the needs of co-operation between Civil, Mechanical and Electrical & Electronic Engineering to make this project succeed. With this co-operation, we tried to revise what we had learned in each scope to provide more knowledge and reference to the readers.