

# ELECTRICITY AND WATER CONTROLLER SYSTEM FOR PUBLIC RESTROOM

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## ABSTRACT

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The title of this project is 'Electricity and Water Controller System for Public Restroom'. Nowadays, our world is lack of energy. Due to the research, the petroleum is getting lesser. The electricity in Malaysia is used burning petroleum method to produce the electricity. It is wasted a lot of natural energy in the work. In addition, the pollution water and waste water problem is getting more and more serious. Therefore, this system was created to conserve energy.

This system is most suitable in the restroom where there is no monitoring. This system is mainly controlled by a programmed microcontroller chip. It acts as the brain for the circuit. There were two micro-switches connected to the circuit. The one of the micro-switch will be used for detecting and sending the signal to the main circuit when user is entering the restroom and another one will be used when the user is leaving the restroom.

The main water pipe will be fixed an isolating valve. The isolating valve and all the electric parts (example: lamp, ventilation fan) will be controlled by the circuit. This system will conserve the electricity and water when the restroom is empty.