

A STUDY INTO THE DESIGN OF IMPLEMENTATION “RAINWATER HARVESTING SYSTEM” AND THE COST SAVING TO A HOUSING PROJECT

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ABSTRACT

Water is very important to us. The President of Rotary International, Carl-Wilhelm Stenhammar says that the global water crisis will give a threat to economic development, to poverty reduction, to the environment, and even to peace and security. Due to the water crisis, rainwater harvesting system becomes more popular now. Rainwater harvesting system can be defines as a process that collects rainwater otherwise would disappear or flow into the ground or drain into local water bodies. After the rainwater has been collected, the water is treated and redirected as needed for other purposes.

The collection of rainwater can use for irrigation, washing clothes, flushing toilet and so on. By using rainwater harvesting system, it helps to reduce the cost from the utility bill. The preservation of water has become a global issue. Many countries encourage using rainwater harvesting system for residential or commercial project in order to conserve water.

Nowadays, rainwater harvesting system is widely use in industry. Some requirements are necessary from the authorities to design a rainwater harvesting system. Malaysia is a country that always rain especially during monsoon season. Therefore, rainwater harvesting system is encouraged to use in Malaysia.