UNIVERSITI TEKNOLOGI MARA

A WELL WATER STORAGE SYSTEM DEVELOPMENT FOR RURAL AREA

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ABSTRACT

This project has been chosen in the first place which is "A Water Storage System Development for Rural Area" because it gives us great benefits and also can call it as 'ecosystem benefit'. This project is known by most of people, so this project will be introduced again with the improvements made in aspect of function, components use and compatibility.

It is hard to keep house in rural area to have enough water for housework. Water pressure especially in rural area is not quite high which is make the water could not be stored or flow. Other than that, lack of government's attention without storage system is another problem occurred. If water shortage occurs, the people could not do housework unless themselves or someone provide the water.

The purpose of this a water storage system development for rural area is to helps storing clean water in rural area, thus to always provide water and the system is being constructed between well and storage tank. So it can be used to help the people to use the water for other purpose too such as cleaning, cooking, showering and etc. It is also useful to prevent from water shortage for certain houses.

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INTRODUCTION

1.0 INTRODUCTION

There are still many rural areas in Malaysia that does not have the water storage system to have extra water supply to satisfy the demand of water usage in daily life. Almost of the rural area community still depends on the water sources from the self-dug water well, river, stream and more which is they need to go out from their house to get the water supply from them. If this routine does continuously, at any time they will face the shortage of water supply especially when emergency situation occurs. As we know in Malaysia, the vast majority of the squandered water goes to flushing toilets, showering, washing autos, garments, floors, watering plants (cultivating) and other pointless errands - i.e. exercises which we can decrease and thus lessen water utilize [4]. Furthermore, for those household in rural area that has well need to maximised use of well so that kind of problem can be solved.

The problem that they are facing is the water from the water well is not enough for the whole household at one time. This happened because the rate of the well water usage is faster than the rate of the groundwater to recharge. Groundwater recharge is usually influenced by