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AUTOMATIC IRRIGATION SYSTEM


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“I declare that this report entitled “*automatic irrigation system*” is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidates of any other degree.”

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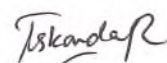
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## ABSTRACT

Proper irrigation is vital for agriculture industry. Agriculture is one of the most important assets in every country. Agriculture is important especially for farmers because this is where they can earn income through agriculture. Nowadays, agriculture has been rapidly improved in terms of technology. The automated irrigation system is a very good device for every farmer because this device will operate when the soil is at dry state. This device will detect the soil moisture by using two iron rods. So, when the soil is at 'wet' state the device will do nothing. But, if the soil is at 'dry' state, it will turn on the water pump sensor and irrigate the plant until the soil is at 'wet' state. This is a very convenient device because the farmers do not need to worry about their plant and check their plants always because their plants are not wilt easily due to the productivity of irrigation system. This device also uses solar energy. So, it will reduce cost and no electric consumptions are needed for this particular device.

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