

ABSTRACT

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“MEASUREMENT OF LAND HUMIDITY BASED ON
MICROCONTROLLER AT-MEGA 8535”

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Soil is one of many important element on earth. With soil we can plant rice, crop, etc. however, there is an obstacle which experienced when plant a crop that is a particle that contain in the soil and humidity of the soil itself. Soil humidity are quite variety in various area. A factor which support the humidity is a nutrient, rainfall, and pH of the soil.

We don't know whether the soil we use for cropping and planting having an enough of humidity or not. The fact, that there are plenty of case of having failed to harvested for each cropping and plant. Mostly, a way for maintain soil humidity is giving a fertilizer and enough water. However, we all don't know whether the water we used for is enough for make the soil keep humid, or maybe less or more.

For that case, for test the humidity of soil that worth. This Soil Moisture Gauge then created. But, this tool have an average expensive price. Then, for that cause this Soil Moisture Gauge is created.

Research result, this device is simple enough to made as a soil humidity testament.

Bibliography (2010-2015)