

## ABSTRACT

High and low temperature and humidity air that is not sure of the year to be the main problem in the development of Air Humidity controller for plants in the tropics area. And less efficient of the similar device that uses timer, because at the situation that air has humid, the device still spray the water on the time that has been determined.

In the final of this project has made device for controller the air humidity for plants that use sensor to detect the air situation in the greenhouse. So with using the sensor, the device will operate when it got the response that the air is less humid. So the device will operate more efficient. This device is using the moisture sensor HSM 20 G, microcontroller ATMEGA8535, LCD, power.

From the description above, the device is expected can be useful in agriculture sector, will be more thrifty and efficient when it use.

Keywords: air humidity, sensor HSM 20 G, Mikrokontroller, LCD