

ABSTRACT

When a population of the increasing, so the needs of vegetables increasing, so the production and crops vegetable also increased dramatically by furnish basic needs man. To keep their vegetables needed storage can make vegetable fresh and hygienic, that cleaning and freshness vegetables stay awake, but now there are many of the vegetable storage not maximum in maintaining the quality of vegetable crop farmers. May be needed to deposit able to make vegetables as to become resistant longer and more fresh.

With the growing of technology now. Its impossible to make a Control System Humidity on Vegetables Storage With Automatic Sprinkler Based Arduino. Prototype it uses arduino as main control, dht11 as primary sensor read humidity and temperature, and relay as control watering automatically.

The conclusions on the project is to increase humidity on storage vegetables with 2 times watering sprinkler in the first 2 hours one when humidity under 75 %. This Control system humidity was able to keep freshness vegetables cabbage in 4 days and vegetables spinach in 4 days with a range of humidity 90%-95%.

Key Word : *Arduino, DHT11, Relay*