**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 censor 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