

ABSTRACT

The density of land in urban areas makes land for planting vegetables less and less because the land becomes buildings and buildings, greenhouses become a solution as a substitute for media that is already densely packed in cities, using greenhouse media can control the temperature inside to keep the temperature stable so that plants can grow optimally even though it is in urban areas. By using Arduino uno it can program the temperature in the greenhouse as stipulated to support plant growth and the DHT 22 sensor as a detector of temperature in greenhouses and signatories, with a temperature control system inside the greenhouse aimed at making plants in the greenhouse maintained the temperature to remain stable and after testing with two media, with media A with the air temperature system and media B without using a system to control the air temperature there is a difference in length and width of leaves between media A and media B, media A with leaf length of 24.2 mm and leaf width of 2.5 mm in 7 days while on medium B with leaf length of 17.7 mm and leaf width of 0.90 mm

Keywords: Greenhouse, arduino UNO ,Sel Surya,Pendingin air, Sensor suhu udara DHT 22

Halaman sengaja dikosongkan