

ABSTRACT

These automatic canopies operate based on the weather that is happening; they do not require manual labor from humans. This "automatic canopy control system with light sensor detection, temperature sensor and rain sensor using Arduino Uno" design is very beneficial for dealing with erratic weather problems. So, you don't need to worry when doing other activities because this automatic canopy opens and closes automatically according to the sensors on the tool. All programs used to provide automatic running system instructions, such as opening the canopy when the sun is bright and closing the roof when it rains, are installed through the use of Arduino. How it works: The LDR sensor detects sunlight intensity, the rain sensor detects rainwater, and the temperature sensor detects temperature.

Keyword : *Arduino Uno, Sensor cahaya, Sensor suhu, Sensor hujan.*