ABSTRACT

An egg incubator is a device degisned to replicate the environmental conditions necessary for successful egg hatching. In this research, a prototype of a room temperature in an egg incubator control system was obtained using incandescent lamps and fans as actuators. The DHT22 sensor module functions as a temperature measuring device, offering an accuracy with a margin of error around 1.4% The BH1750 sensor module as a light intensity meter with a margin of error around of 0.59%. Wemos D1R32 as a microcontroller that will send data via the Internet of Things on the Arduino Cloud platform. The system has succeeded in controlling the temperature to reach the ideal temperature for egg hatching in the range of 37 ˚C - 39˚C.

Keywords : *Egg Incubator, Temperature, Light Intensity, IoT.*
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