

ABSTRACT

Chicken eggs are one of the things needed by humans. With the increase in public demand for chicken eggs, therefore farmers increase production from the previous amount.

To help make it easier for farmers to produce eggs with tools that will be made using Esp8266, DHT11, LDR, and lights as the main ingredients in making egg incubators with image processing, to determine egg development, along with a data recap on a website that can receive data from hardware , using the HTML programming language. The data that will be displayed on the website is taken from the cloud as a data distributor from the hardware. The cloud used in this work is phpmyadmin.

The expected result of the design and manufacture of this egg incubator is that users can minimize human intervention, can find out the ideal temperature, know an accurate way to get good quality eggs, and make it easier to control the temperature process through available websites, also can monitor the development of the eggs..

keywords :Chicken Egg, Temperature, Controller, Realtime, Website