DESIGN OF A SYSTEM FOR EGG QUALITY DETECTION TOOLS BASED ON ESP 32

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ABSTRACT

Technological development is an important and rapid development in the fields of education and culture, it can be utilized in the work and business of chicken egg farmers to increase productivity and efficiency. One of the technologies used by chicken egg farmers is a chicken egg quality detector and counter, which is useful for knowing which chicken eggs are good and bad and also how many chicken eggs are good and bad. Detection and counting involve data collection and data analysis to help chicken egg farmers understand and improve the development of this tool. The LDR sensor is the main function in determining the quality of chicken eggs based on processing techniques using light color segmentation to see the light that penetrates a chicken egg. And also the infrared sensor has a function to count how many eggs have passed after being detected so that you know the number of good and bad chicken eggs. The aim of this research is to understand how to detect chicken egg quality, develop a better tool and increase the effectiveness of the system.

Keywords: *Chicken Egg, Detector, Sensor.Counter*