ABSTRACT

Determining the weight of the egg is one way to determine the good or bad of an egg, therefore many machine manufacturers have developed a system on their machine to determine the weight of the egg, over time, the methods used in determining the weight of the egg are increasing, therefore a lot of analysis of these methods. This study aims to test one of the existing methods, namely the Otsu thresholding method to analyze the weight of chicken eggs.

The test is carried out using a classification model using the Otsu thresholding method, starting with collecting datasets based on their class, namely Large, Small, Medium, the datasets will be trained using the CNN method to find their accuracy and stored.

The results of testing the weight and size classification model on eggs using the Otsu thresholding method, get a training accuracy of 66% and a testing accuracy of 48%, which will be predicted to compare with the classification model without Otsu.

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Kata Kunci: *Thresholding, Weight, CNN, Classification*