

ABSTRACT

The higher requirement of people to fish is not supported by knowledge in distinguishing the level of fish freshness. Many people are fooled by the fish sellers' words which said that the fish are fresh, but, actually, they are not. The research aims at distinguishing the fresh fish, frozen fish, and rotten fish. The research creates an application using color histogram through seeing the color of fish's gill. It is done through several steps, namely Pre Processing, Feature Extraction, and Similarity Matching. The research resulted the percentage of precision and recall value as 51% and 26% which was gained through 9 trials. The resolution of input image camera and sample sentiment camera causes the distance measurement result is very far. This application also cannot decrease the noise in image.

Keywords: Fish Grill, Histogram, Eucliden Distance, Precision and Recall

