Klasifikasi Buah Apel Malang Berdasarkan Warna Menggunakan Metode
K-Nearest Neighbor

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ABSTRACT

Manalagi apple has yellow-green, round shape, have a hard texture, sweetness. While Green Smith green apple, sour and about the size of apples manalagi. Manalagi apples are more expensive than the smith apples Green. On the other hand the demand for apples manalagi continue to increase so that traders manalagi mixing apples with apples Green Smith in order to gain a huge advantage. Manual classification process takes a long time to know the type of apples must be done by looking in detail and hold the apples one by one this requires not a little effort and time. Actually, the process could be saved if there is a alikasi to recognize the difference manalagi apples and green smith apples by color using the media in the form of images. Applications built using the image processing megolah a visual picture of the catches made by the camera. In the first stage, the image is calculated using the RGB color model. Each channel of the R, G, and B obtained the mean, skewness and kurtosis, will now be grouped using the method using K-NN (K-Nearest Neighboar). Results obtained in the form of information classification.

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