ABSTRAK

Salah satu tipe daging hewan yang digemari masyarakat ialah daging ayam broiler, Menurut data Badan Pusat Statistik, konsumsi daging ayam broiler yakni 3. 175. 853, 00 Ton pada tahun 2017, 3. 409. 558, 00 Ton pada tahun 2018, serta 3. 495. 090, 53 Ton pada tahun 2019. Masyarakat umum masih menggunakan metode tradisional untuk memastikan mutu serta kesegaran daging dengan pencium serta pemeriksan visual. Penelitian ini menggunakan metode algoritma *support vector machine* (SVM). Mengembangkan aplikasi MATLAB yang mampu membedakan daging ayam segar dan kurang segar serta menguji algoritma *Support Vector Machine* untuk melihat seberapa akurat antara daging ayam segar dan kurang segar. Hasil yang didapatkan adalah Algoritma *support vector machine* berhasil diterapkan pada masalah identifikasi citra daging ayam berdasarkan warna RGB dengan hasil akurasi 81%.

Kata Kunci : Pengolahan Citra, RGB, Daging Ayam, SVM

ABSTRACK

One type of animal meat that is popular with the public is broiler chicken meat. According to data from the Central Bureau of Statistics, consumption of broiler meat was3,175,853 metric tons in 2017, 3,409,558 metric tons in 2018, and 3,495.090 metric tons in 2019. The general public still uses traditional methods to ensure the quality and freshness of meat through smelling and visual inspection. This study uses the support vector machine (SVM) algorithm. Developing a MATLAB application that is able to distinguish between fresh and less fresh chicken meat and testing the Support Vector Machine algorithm to see how accurate the difference between fresh and not-fresh chicken meat is The results obtained show that the support vector machine algorithm has been successfully applied to the problem of identifying chicken meat images based on RGB color with an accuracy of 81%.

***Keywords* :** *Image processing, RGB, Chiken meat, SVM*