

KLASIFIKASI MENGGUDU BERDASARKAN WARNA DAN TEKSTUR MENGGUNAKAN METODE SUPPORT VECTOR MACHINE (SVM)

Oleh

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ABSTRACT

Noni in one of plants that have compounds to help[the body in the process of organic synthesis and recovery the cells of body and anti-bacterial substances the utilized from noni is that fruit so this study aims to identify noni based from colour and texture, and how to identify noni with the good quality and noni with the bad quality. It's use image processing based on colour extraction, extraction texture and classification use Support Vector Machine (SVM). From colour extraction has resulting mean value with taken the best mean value from mean value R (red) than the process tobe continue to texture extraction to get the value of texture extraction is Angular Second Moment (ASM), Contrast (CON), Correlation (COR), Variance (VAR), and Invers Difference Moment (IDM). It's tobe continue to classification with 45 data test and the accuracy about 88.8888%.

Keyword: *Image Processing, Support Vector Machine .*