

ABSTRAK

Mochammad Hilmi Yahya. E3211589. Department of Information Technology, Computer Engineering Program, State Polytechnic of Jember. Identification Applications Ripeness Of Tomatoes With Color LED Indicator And LCD. Supervising Commission, Hariyono Rakhmad, S.Pd, M.Kom. and Aji Seto Arifiano, S.ST, MT.

So far we have been familiar with the use of camera's both commercial and non-commercial use in the community. Whereas now also advances in computer technology or the interaction between humans and computers has touched the world of agriculture both before harvest and post-harvest, that's the background of the author to make an application to combine camera and computer technology. The purpose of this final project is the third program can track the object color of tomatoes are green, orange and red. The position of the object tracking results can be used as input for each color of the object and determine the color classification, so we were able to identify and classify.

Keywords : *color filtering and image processing*