

Abstract

Image processing or image processing is a system that processes or manages signals that have an image input. In the field of medical systems this can be used to count the number of erythrocytes (red blood cells). But in practice in human blood cells there are several types of categories, namely RBC (Red Blood Cells) or red blood cells, WBC (White Blood Cells) or white blood cells, platelets, hemoglobin and hematoma.

Research was conducted to build an image processing system to calculate the amount of red blood (erythro- cytes), by adding images to improve image quality. Hough transform method in this research is used to detect red blood cells and make calculations

Keywords: *image processing, eritrosit, image enhancement, hough transform.*