

Abstract

Along with the times, technology advancement about digital camera is also rapidly developed. Unfortunately, this development still can't cover up one of ashortage of digital camera, namely the absence of the ability of a digital camera to take images with wide angle or so-called panoramic image.

To overcome this, an image merging technique called Image Mosaic can be used. Several image with overlap parts are captured and merged to represent an image with wide angle. One of the methods used in this process is the 8-Parameter Transformation Perspetive, that allows the formation of panoramic image, although the rotation is less well controlled.

As a form of proof, this method is implemented in the Image Mosaic and tested to find out the reliability of the method of rotation that is less well controlled, and the accuracy of the resulting panoramic image.

From the test results is known that this method is able to handle cases of panoramic image creation altough the rotation is less well controlled, but the results obtained are not perfect, even visually

Whereas the accuracy of test results for the resulting panorama image, it is known that this method does not incorporate image perfectly, although the results look good visually.

Keywords: *panoramic image, image mosaic, 8-parameter perspective transformation.*