ABSTRACT

Panoramic image is an image that has a wider viewing angle than the usual images. This image can be obtained by applying image stitching technique, namely joining image series into an image with a larger size. The problems that can occur on the current application of image stitching is when there is a moving object in input image, will cause ghosting effect, ie the appearance of new objects in panoramic images that are not contained in the input image.

In this research seam carving is applied to form a panoramic image from two pieces of the input image. This method will determine which parts of the panoramic image derived from the input image and the first from the second image. Determination of this section may be obtained after obtained the overlap of the first and second images.

From the test results, seam carving can prevent the ghosting effect for cases where there are moving objects in input images. In addition, this method can produce panoramic image with the similarity level above 80%.

Keyword : image panoramic, ghosting effect, image stitching, seam carving