Abstract

Image segmentation is an important process which able to determine the quality of pattern recognition. If result of segmentation image is good then the result of patern recognition will be better too. Therefore, in this Final Duty more be focussed about segmentation process so that the result from segmentation process using *iteratively mean shift filtering* method can be used at pattern recognition process. This method is selected because this method can conduct image segmentation pursuant to color of image, so that every different colour intensity image will be grouped to become different area.

Based on a examination result, yielded accuration level of applying of this method pertained very good to image made in, but for image photograph and medical image, this method still good enough. This matter can know pursuant to value of PSNR. A big color distance and spatial radius can make a bad result.

Keywords: image segmentation, *iteratively mean shift filtering, spatial domain, color distance*, PSNR