Abstract

Most of medical images have low contrast value, speck, and the boundaries are not clear/blurred between objects with the background. That makes medical images difficult to be segmented manually. Therefore, this Final Project make an application to perform image segmentation, especially medical images. This meant that the doctors can be more accurate in the diagnosis of the patient's disease sufferer. The goal of image segmentation is to separate between the ROI (Region Of Interest) with the background. Method used in the image segmentation is region growing and boundary finding. From the results of the trials, concluded that the results of image segmentation is influenced by threshold and lambda value. By using right threshold and lambda, this method can perform well with the segmentation of medical images.

Keywords: Image segmentation, medical image, region growing, boundary finding.