Abstract

Image Segmentation is a process to divide an image into several *region*. The purpose is to simply and/or change representation image digital being something that broadly useful. In a few year, had been found a new method which is doing segmentation based on *threshold*ing, method graph and another mathematic computation, was called *graph cut*.

Method *graph cut* was chosen because its ability to preserve detail in low-variability image *region*s while ignoring detail in high-variability *region*s. Also, the algorithm runs in time nearly linear in the number of graph edges. Based on tested that had been done, could be concluded that, accuration for a result of image segmented was good for synthetic image, also for digital image. This could been known from the measurement kualitatif and kuantitatif that had been done.

Keywords: image segmentation, *graph cut*, *threshold*, Mean Opinion Score (MOS), coefficient variance.