

ABSTRACT

Character segmentation as a preprocessing of the pattern recognition process of characters / text has been widely used in everyday life. An example is the process of reading a barcode at the supermarket, the introduction of motor vehicle license plates, etc.. From this problem, to be able to build a pattern recognition system of the character / text segmentation process is needed. Segmentation of characters that do here is to separate the text with his background in a digital image. In this Final Watershed Transform method to segment characters. The concept of this method is to find a line of watershed, which is the result of the segmentation. For the final performance analysis was conducted using the Mean Opinion Score (MOS) of 15 observers. Results from the MOS calculations show good results, although some low value data. This is because the opinions and assessments of different respondent for each test image.

Keywords : Segmentation, Transformasi Watershed, Mean Opinion Score.