Abstract

Image to ASCII is an application that converts a digital image into an ASCII art form. ASCII art is an art that builds any objects using any ASCII characters. ASCII art is created manually by hand using Text editor applications. On the other side, digital image processing method has been advanced, so it's possible to create ASCII art automatically.

In this final project, would be implemented, grayscale and edge detection algorithm combination in the image to ASCII application. Edge detection algorithm that would be used are Laplacian Edge detection and Prewitt Edge detection.

MOS is the parameter that used to measure the system performance. Testing was done by changing the tested images brightness values.

From the analysis result was got that Mean Removal algorithm has the best performance, followed by Grayscale, Grayscale Laplacian, and Grayscale Prewitt algorithm.

Keywords : *ASCII art*, Algoritma *Grayscale, Laplacian Edge Detection, Prewitt Edge Detection*, MOS.