PROJECT REPORT

Comparison of Thresholding Algorithm and Morphological Closing Algorithm on Leaf Image with PSNR and MSE Parameters

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PREFACE

The Project with title "Comparison of Thresholding Algorithm and Morphological Closing Algorithm on Leaf Image with PSNR and MSE Parameters" is an example comparison of an algorithm segmentation by using parameters PSNR and MSE. Here writer research will the algorithms that suitable to do segmentation.

In preparing this, project the author of dividing them into 6 chapters. Chapter 1 told me about the background in making this project and the purpose of this project. He made In addition to chapter 1 told me about the problems in making this project. In chapter 2 told me about journals who writers take as a guideline in making this project. In section 3 tell steps who writers do in making a project. From data collection, create a program and test program. In chapter 4 tell step-step in algorithms, algorithms thresholding and algorithms Morphological Closing to testing in PSNR and MSE. In chapter 5 confided in making program starting from methods which writers use to the program starting from the input images to output images. Chapter 6 told me about the conclusion and recommendations, in conclusion, is the whole algorithm complete analysis by suggestion to project next.

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ABSTRACT

In this digital world there is a lot of need to segment the object is needed. The purpose of such segmentation can be used in various fields, for example in the field of health, agriculture, transportation and many more. To segment there are many algorithms offered.

To segment, Threshold algorithm and Morphology algorithm are examples to segment. Between the two algorithms have their own advantages and disadvantages. To find out the best algorithm to segment, there will also be testing using the help of PSNR and MSE to find out the accuracy of the algorithm.

To find out which is the best of the algorithms, the end result is a measurement of the level of accuracy of the PSNR as well as MSE.

Keyword: Thresholding, Morphological Closing, PSNR, MSE.

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