PROJECT REPORT

STEGANOGRAPHY ON EDGE PIXEL OF THE IMAGE

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APPROVAL AND RATIFICATION PAGE

PROJECT REPORT
Steganography on Edge Pixel of Image
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ABSTRACT

This Program created for hide messages in the image. The program uses least significant bit method to hide the messages into edge pixel of image.

In this program, hiding of messages will be carried out on the edges pixel of image (pixels that have a value of 255) starting from the random coordinates of edge pixels. The images will be processed edge detection first using Sobel method to obtain edges pixel image. There will also decode process to take the hidden message in the image.

The result of steganography is an image that is similar to the original image but inside it there is a message / information. The result of the decoding process is the message contained in the image. This project is not perfect yet, because sometimes the decode messages result is not equal to encode messages.

Keywords: Steganography, Edge Pixel, Edge Detection, Sobel methods, Least Significant Bit methods.
PREFACE

This Final Project contain of six chapters. The first chapter explains the background, scope, and objective of this project. The second chapter explains the algorithm that will be used in this project which are steganography and edge detection.

The third chapter explains the steps in completing this project. The fourth chapter explains the analysis and design of this project. The use case diagram, flow chart, and class diagram can be found in this chapter.

The fifth chapter explains about implementation and testing of this project. The last chapter explains about conclusion and further research of this project.
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