



PROJECT REPORT

IMAGE COMPRESSION USING HUFFMAN CODING

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10.02.0010

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APPROVAL AND RATIFICATION PAGE

PROJECT REPORT

IMAGE COMPRESSION USING HUFFMAN CODING

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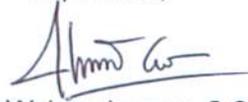
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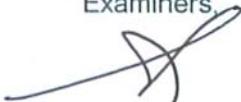
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10.02.0010

ABSTRACT

Digital image representation needs a quite large memory to save it. The bigger size of the image, the required memory also larger. Image compression have an important function in the multimedia world. One of the function of image compression is data transmission process.

This application was made to compress a digital image and made using Java as Programming language. Huffman coding as the algorithm, and Binary Tree as the data structure.

The result is this application could compress a digital image to smaller size. And it can decompress the compressed digital image to the original form.

Keyword : Image compression, Huffman Coding, digital image processing

FOREWORD

I would like to express my gratitude to the Lord Jesus, because finally I finished my Final Project in Faculty of Computer Science Soegijapranata Catholic University. In this chance, I would like to give my thanks to :

- Jesus Christ, for giving me faith and guiding me to finish my project
- My whole big family for supporting me from the start until the end.
- My project supervisor for helping, guiding me in finish this project
- All lecturers in Faculty of Computer Science Soegijapranata Catholic University for teaching me and giving me knowledge while I was studying in Faculty of Computer Science.
- My friends from Huba – Huba and GoGoPowerRangers community for their supports and encouragement until this project finished
- All my friends in Faculty of Computer Science and all persons that support me until the end of this project

I hope this report could be a helpful references and easy to understand for the readers. Thank you.

Semarang, 18 July 2014



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10.02.0010

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