PROJECT REPORT

Implementation of Grayscale and Thresholding

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APPROVAL AND RATIFICATION PAGE

PROJECT REPORT

Implementation of the RGB image Thresholding

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STATEMENT OF ORIGINALITY

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Certify that this project was made by myself and not copy or plagiarize from other people, except that in writing expressed to the other article. If it is proven that this project was plagiarizes or copy the other, I am ready to accept a sanction.

Semarang, July 18th 2014

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10.02.0015

FOREWORD

After four years, I have studied in Faculty if Computer Science of Soegijapranata Catholic University. Finally, I have been able to make a Project as a requirement of my graduation. Though this project, I have learned a lot of experience and knowledge of Implementation of Grayscale and Thresholding.

When I made this project, I have been helped by a lot of people. In this opportunity I would say thank you to :

1. My Lord Jesus Christ, for His blessing and miracle so I can finish my project.
2. My Parents for their support, love, and pray.
3. My Brother who never tired give me motivation everyday.
4. My Sister who never tired give me motivation everyday too.
5. My Project Supervisor for this advice and motivation
6. All of my lectures in Faculty of Computer Science whom teaching and giving a lot of knowledge when I studied in this faculty.

Semarang, July 16th 2014

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ABSTRACTION

At this stage of the creation of this project there are several problems facing the display output from the process image thresholding, while its output too much, so that the frame is not enough to display the gui results output and a frame graphical grayscale on the process too loose, because only three output are displayed.

Troubleshooting is a gui that frame is enough to load the output of the image thresholding is by enlarging the size of the image frames and small size inputed. To process grayscale are also using the same method, though only three image output, the image is not clipped, the size of the images can be enlarged.

The result of the implementation of the grayscale image is grayscale thresholding image is grayscale and thresholding its conversion to two-bit and four-bit. While the thresholding also has different results by using the RGB color channels, each color converted two-bits and four-bits.

keywords: rgb, grayscale, thresholding

TABLE OF CONTENTS

TITLE i
APPROVAL AND RATIFICATION PAGE ii
STATEMENT OF ORIGINALITY iii
FOREWORD iv
ABSTRACTION v
TABLE OF CONTENTS vi
TABLE OF FIGURE viii
TABLE OF TABLE x
CHAPTER I 1
Introduction 1
1.1 Background 1
1.2 Scope 2
1.3 Objective 2
CHAPTER II 3
Literature Study 3
2.1 Data Structure 3
2.1.1 Array 3
2.2 Algorithm 4
2.2.1 How to Convert RGB to Grayscale 4
2.2.2 Binary Image 4
2.2.3 RGB Image 5
CHAPTER III 6
Planning 6
3.1 Research Methodologies 6
3.2 Project Mangement 7
CHAPTER IV 8
Analysis and Design 8
4.1 Analysis 8
4.1.1 Step the project process 8
4.2 Design 10

4.2.1 Use Case Diagram..... 10
4.2.2 Flow Chart..... 10
CHAPTER V..... 12
Implementation and Testing..... 12
5.1 Implementation..... 12
5.2 Testing..... 17
CHAPTER VI..... 22
Conclusion and Further Research..... 22
6.1 Conclusion..... 22
6.2 Further Research..... 22
REFERENCES..... 23

TABLE OF FIGURE

Figure 4.1 Use Case Diagram..... 10

Figure 4.2 Flowchart Grayscale and Thresholding..... 10

Figure 5.1 Button Browse RGB Image..... 12

Figure 5.2 Button RGB Process..... 12

Figure 5.3 Button Gray Process..... 13

Figure 5.4 RGB to Grayscale Method..... 13

Figure 5.5 RGB to Two-bit Grayscale Method..... 14

Figure 5.6 RGB to Four-bit Grayscale Method..... 14

Figure 5.7 RGB to Monochrome Image Method..... 15

Figure 5.8 RGB to Red Monochrome Image..... 15

Figure 5.9 RGB to Red Monochrome Two-bits..... 16

Figure 5.10 RGB to Red Monochrome Four-bits..... 16

Figure 5.11 Process Create File TXT..... 17

Figure 5.12 Show Button Process Image..... 17

Figure 5.13 Show File Directory..... 18

Figure 5.14 Show Result Browse Image..... 18

Figure 5.15 Show Result Grayscale Image..... 19

Figure 5.16 Show Result RGB Image..... 19

TABLE OF TABLE

Table 3.1 Project Management..... 7

Table 5.1 Show Table Value Grayscale.....20

Table 5.2 Show Table Value Monochrome Red.....20

Table 5.3 Show Table Value Monochrome Green..... 21

Table 5.4 Show Table Value Monochrome Blue.....21