




PROJECT REPORT
COMPARISON EDGES DETECTION
USING TWO MATRIX

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PROJECT REPORT
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FOREWORD

Thanks to God who has blessed me always, so the writer can be complete this project with tittle “COMPARISON EDGES DETECTION USING TWO MATRIX”.

In this opportunity, writer would thanks to :

1. My father and my mother, that made me never to think of giving up.
2. People are always on my side, who have always supported me and always giving spirit to me.
3. Mrs. Shinta Estri Wahyuningrum, S.Si., M.Cs as my supervisor, for his advice, and ideas that inspired me.
4. All lecturers in Faculty of Computer Science.
5. My friend which give prayer and encouragement.

Finally, writer apologizes if there are still many shortcomings in this project. Hopefully this project can be used to all parties who require.

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ABSTRACT

In the digital image, there are many different ways of image processing. And one of the interest one that is Edges Detection. Is tool in image processing particularly in the areas of feature detection and feature extraction, which aim at identifying points in a digital image at which the image brightness changes sharply. Edges detections are generally used to separate object with background, so that more objects can be easier to process. In the Edges detections, there are several existing methods, namely Sobel , Canny, Prewitt, Roberts, and Frei-Chen.

Operator Sobel is based on convolving the image with a small, separable, and integer valued filter in horizontal and vertical direction and is therefore relatively inexpensive in term of computations. The gradient approximation that it produces is relatively crude, in particular for high frequency variations in the image.

Keywords : Edges Detection, Java, Image processing

TABLE OF CONTENT

COVER	i
APPROVAL AND RATIFICATION PAGE	ii
STATEMENT OF ORIGINALITY.....	iii
FOREWORD	iv
ABSTRACT	v
TABLE OF CONTENT	vi
TABLE OF FIGURE	viii
TABLE OF TABLE	ix
CHAPTER I : INTRODUCTION	1
1.1 Background	1
1.2 Scope	1
1.3 Obejective.....	1
CHAPTER II : LITERATURE STUDY	2
2.1 Data Structure	2
2.1.1 Matrix	2
2.2 Algorithm	2
2.2.1 Sobel Edge Detection.....	2
CHAPTER III : PLANNING	4
3.1 Research Methodologies	4
3.2 Project Management.....	4
CHAPTER IV : ANALYSIS AND DESIGN	5
4.1 Analysis	5
4.1.1 Use Case Diagram	5
4.1.2 Activity Diagram	5
4.2 Design.....	6
4.2.1 Class Diagram	6
4.2.2 Class Diagram Details	6
CHAPTER V : IMPLEMENTATION AND TESTING	8
5.1 Implementation	8
5.2 Testing	15
5.3 Application Interface	15

CHAPTER VI : CONCLUSION AND FURTHER RESEARCH	18
6.1 Conclusion	18
6.2 Further Research	18
REFERENCES	19

TABLE OF FIGURE

Figure 2.1 Array 2 Dimensional.....	2
Figure 2.2 Template Matrix 3x3.....	3
Figure 2.3 Template Matrix 5x5.....	3
Figure 2.4 Example from Template 3x3.....	3
Figure 4.1 Use Case Diagram.....	5
Figure 4.2 Activity Diagram.....	5
Figure 4.3 Class Diagram.....	6
Figure 4.4 EdgesDetection Class.....	6
Figure 4.5 Sobel class.....	7
Figure 4.6 Sobel2 Class.....	7
Figure 5.1 Application Interface.....	19
Figure 5.2 Result Sobel Matrix 3x3.....	19
Figure 5.3 Result Sobel Matrix 5x5.....	20

TABLE OF TABLE

Table 3.1 Project Management.....	4
Table 5.1 Testing Table.....	18