





PROJECT REPORT

Search Minimum Budget By Bus

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05.02.0072

2009

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APPROVAL and RATIFICATION PAGE

PROJECT REPORT

Search Minimum Budget By Bus

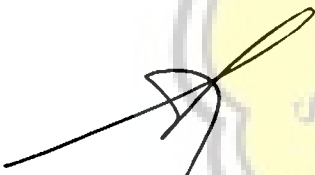
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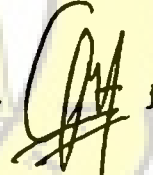
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STATEMENT of ORIGINALITY

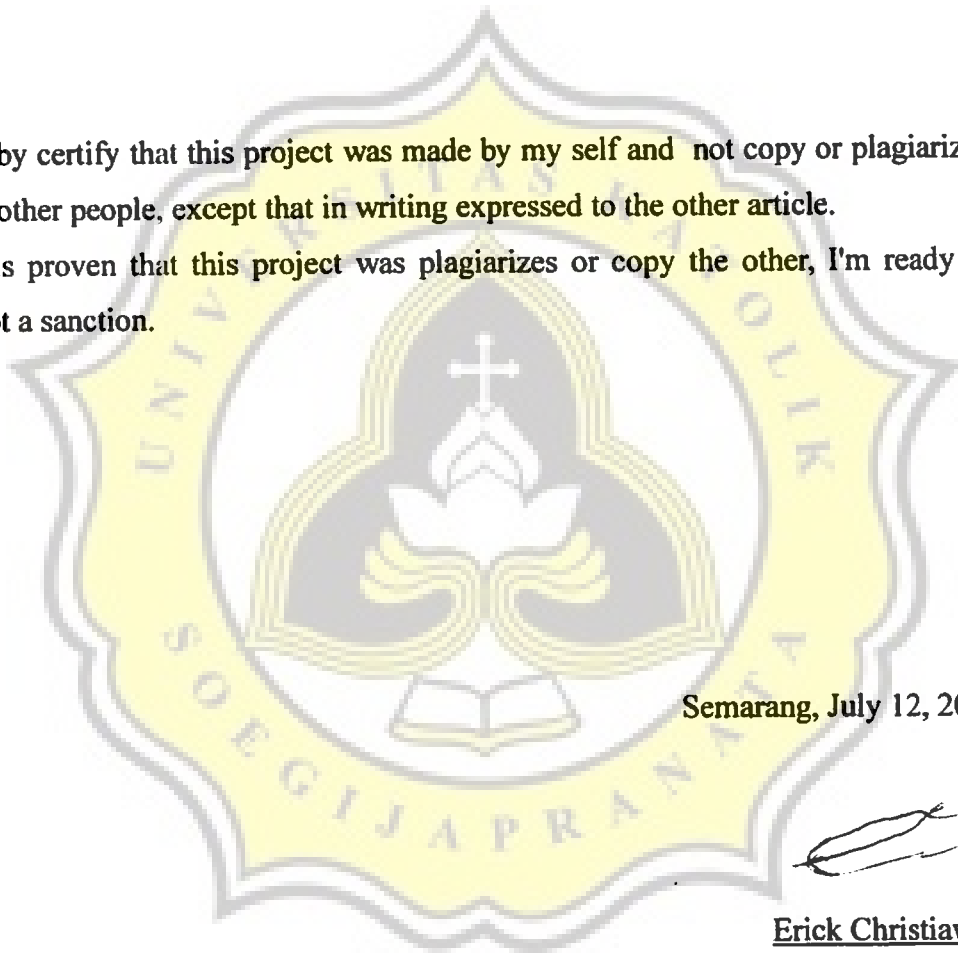
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Semarang, July 12, 2009

Erick Christiawan

05.02.0072

FOREWORD

Finally, I can finish my final project that have title : **“Search Minimum Budget By Bus”**. I couldn't finish this project and report without help from God and a lot of people. So in this opportunity, I would like to thanks :

- Jesus Christ that give me faith to finish this project.
- My parents, Steven Hendra and Liaw pin pik, and my brother Reza Albertinus.
- Rosita Herawati, ST., MIT as my supervisor for helping, guiding and giving me ideas and advice in finishing this project.
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- All of my Friends

Last, I would like to apologize if I made mistakes in finishing the project and writing this report. Therefore, critics and suggestions are expected.

Semarang, July 12, 2009



Erick Christiawan

ABSTRACT

The application Travelling Sales Problem has been made, one of them is to use java. On this project using java application, the purpose of this application is made in order to facilitate the user in finding the lowest price possible and the purpose of using the city bus.

The application program this project was undertaken with the provisions, that is looking for the minimal value and the city of the cost the most that was taken, if the city tariff that has been determined bigger than the cost that input then this program will stop in the city that beforehand.

In making this application is used because the data structure using the matrix become easier to find value in the price of using the graph data structure

Algorithm used in creating this application using the DFS algorithm, the DFS apply principles of Last in First Out, DFS has more than that in the ease of reading from left to right. So the conclusion that was taken by us could use many structure data and the algorithm, to application this in fact not all that effisien if using the DFS algorithm, the algorithm that be suitable applications this was the algorithm as knapsack and the data structure as graph.

Table of Content

APPROVAL and RATIFICATION PAGE	i
STATEMENT of ORIGINALITY	ii
FOREWORD	iii
ABSTRACT	iv
Table of Content	v
Table of Pictures and Code	vii
CHAPTER I INTRODUCTION	1
1.1 Background	1
1.2 Scope	1
1.3 Objectives	1
CHAPTER II LITERATURE STUDY	2
2.1 Data Structure	2
2.2 Algorithm	3
CHAPTER III PLANNING	4
3.1 Research Methodology	4
3.2 Project Management	4
CHAPTER IV ANALYSIS AND DESIGN	5
4.1 Use Case Diagram	5
4.2. Class Diagram	6
CHAPTER V IMPLEMENTATION AND TESTING	8
5.1 Implementation Software	8
5.2 Implementation Source Code	8

5.3 Testing	10
CHAPTER VI CONCLUSION AND FURTHER RESEARCH	15
6.1 Conclusion	15
6.2 Further Research	15
REFERENCES	16



Table of Picture and Code

Picture 1.0	Sample Matrix.....	3
Picture 1.1	Sample Algorithm	3
Picture 2.0	Project Management.....	4
Pictue 3.0	Use Case Diagram.....	5
Picture 3.1	Class Diagram	6
Picture 4.0	File Path	10
Picture 4.1	Application Input.....	11
Picture 4.2	Search.....	11
Picture 4.3	Sample Algorithm 2	12
Picture 4.4	Sample Implementation Graph.....	12
Picture 4.5	Menu in file	13
Picture 4.6	Menu Cari Nama Kota.....	14
Picture 4.7	Result Search in Cari Nama Kota.....	10
Code 1.1	Method push	8
Code 1.2	Method pop.....	8
Code 1.3	Method peek	8
Code 1.4	Method setHarga	9
Code 1.5	Method putNode	9