



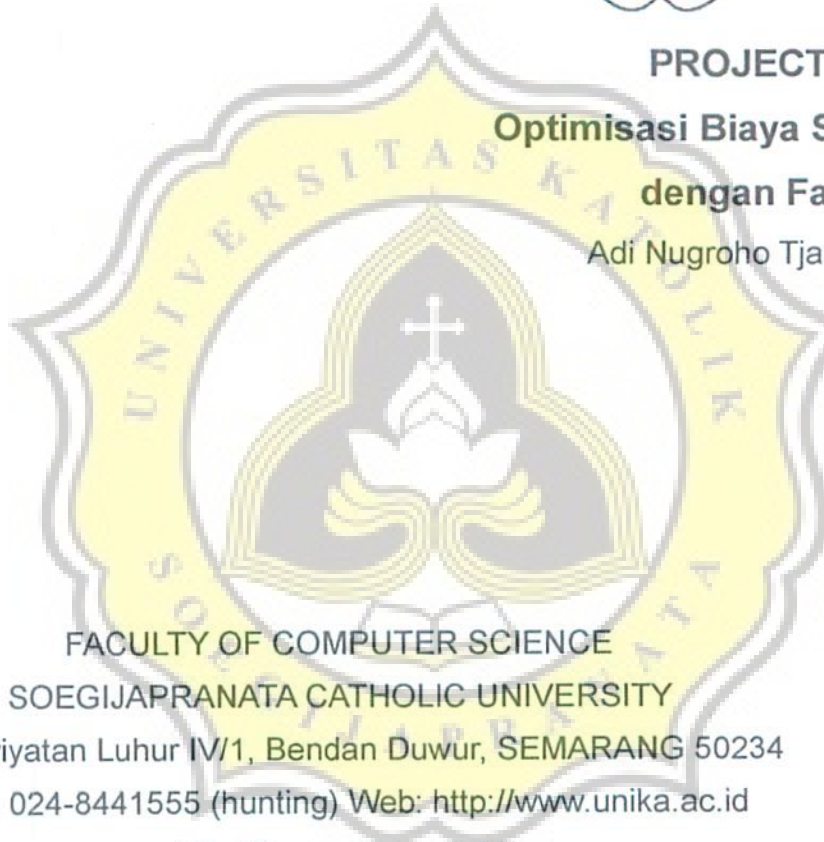
PROJECT REPORT

**Optimisasi Biaya SMS Blast
dengan FastLinklist**

Adi Nugroho Tjandrasaputra

07.02.0030

2014



FACULTY OF COMPUTER SCIENCE

SOEGIJAPRANATA CATHOLIC UNIVERSITY

Jl. Pawiyatan Luhur IV/1, Bendan Duwur, SEMARANG 50234

Telp. 024-8441555 (hunting) Web: <http://www.unika.ac.id>

<http://ikomunika.web.id/>

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APPROVAL AND RATIFICATION PAGE

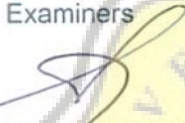
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This project report has been approved and ratified by the Dean of Faculty of Computer Science and Supervisor on August 6th, 2014

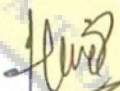
With approval,

Examiners



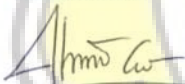
Suyanto Edward Antonius, Ir., M. Sc.
NPP : 058.1.1992.116

Supervisor



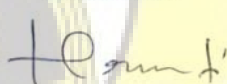
Hironimus Leong, S. Kom., M. Kom.
NPP : 058.1.2007.273

Examiners



Shinta Estri Wahyuningrum, S. Si., M. Cs.
NPP : 058.1.2007.272

Examiners



Rosita Herawati, ST., MIT
NPP : 058.1.2004.263



Dean of Faculty of Computer Science

Hironimus Leong, S. Kom., M. Kom.
NPP : 058.1.2007.273

STATEMENT OF ORIGINALITY

I, the undersigned,

Name : Adi Nugroho Tjandrasaputra

ID : 07.02.0030

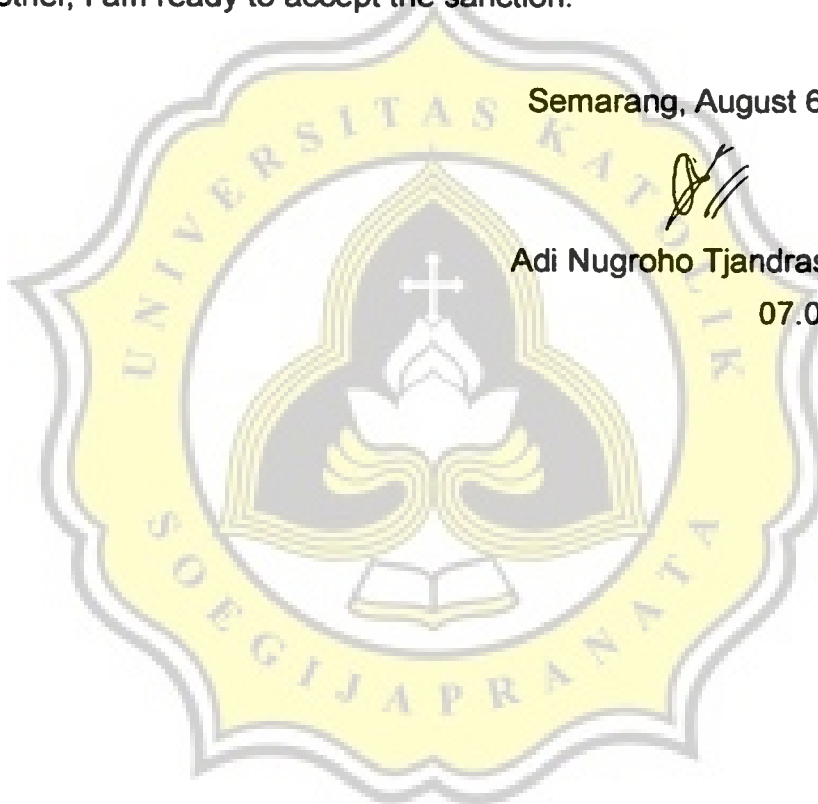
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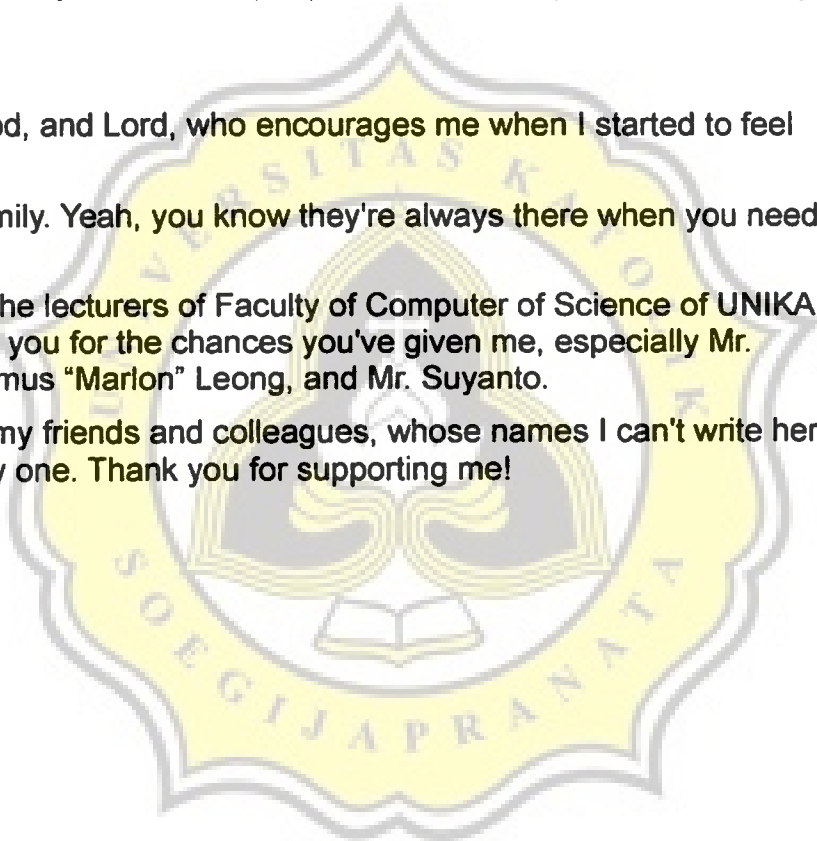


FOREWORD

The process of making of this project is not easy, but it greatly interests me, especially in applying of Fast Linked List in an application. The knowledge I've gained so far in creating the application is huge, as it is not only a matter of applying the algorithm you've learned, but also requires to streamline the flow of the application.

I must say thank you for these people who have helped me in making of this project :

1. My God, and Lord, who encourages me when I started to feel down.
2. My family. Yeah, you know they're always there when you needed them!
3. All of the lecturers of Faculty of Computer of Science of UNIKA. Thank you for the chances you've given me, especially Mr. Hironimus "Marlon" Leong, and Mr. Suyanto.
4. All of my friends and colleagues, whose names I can't write here one by one. Thank you for supporting me!



ABSTRACTION

Optimizer is an application that helps in deciding the most cost-efficient mobile phone operator for SMS Blast (known as Bulk SMS), based on the cost of texting between the same operator and different operator. The concept is simple, yet applicable to those who wish to lower the unnecessary cost and choose between different operators who suit best of our list of numbers.

One who will benefit the most is beginner marketing officer, or a company that wants to start SMS Blast marketing with a single-number device.

This application offers an improved version of LinkedList : FastLinkedList, which improves the performance of search on a long, but already-sorted, LinkedList. The search time reduction is, however, dependent on the length of the LinkedList, and the efficiency of the index.

Keyword : SMS Blast, Bulk SMS, LinkedList, FastLinkedList



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