PROJECT REPORT
Chinese Postman Problem Solution Using Tabu Search on Android
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10.02.0050
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APPROVAL AND RATIFICATION PAGE

PROJECT REPORT

CHINESE POSTMAN PROBLEM SOLUTION USING TABU SEARCH on ANDROID

by

10.02.0050 – Panji Raka Wijaya

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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, 18 July 2014

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ABSTRACT

Chinese postman problem (CPP), postman tour or route inspection problem is a branch of mathematics problem, that often discussed usually in math class. So CPP is really important to people that work at mathematic sector, CPP can be another solution for Traveling Salesman Problem. But people does not really care about learning CPP, because people do not want to be bothered. So with this project, CPP on Android they can easily understand how CPP works.

This problem is fairly easy to understand in class. This android application simulation project of CPP will make the student easier to simulate a problem of postman with the aim of the student will be understood more about the solution.

This project designed for user interests of CPP, this project can handle infinite pattern of graph designed by user, and so make a solution of the graph that draws by user.

Keyword : Chinese Postman Problem, Tabu Search Algorithm
FOREWORD

It is with great pleasure that I present to you the report for my project entitled Chinese Postman Problem Solution Using Tabu Search on Android. I hope you will find this report both informative and functional that it will give you a greater understanding of the work undertaken by me. More importantly, I hope that you will gain an appreciation of the difficulties faced by me, all of whom face some form of disadvantage in their lives, whether it be financial difficulties. Also in this opportunity, I would like to give my deeply thanks to:

- my supervisor for helping, guiding and giving me a lot of ideas, advice, and feedbacks in the process of 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.
- Every person that either directly or indirectly had already supported me, given me a lot of motivation. Including all of my friends in Faculty of Computer Science Soegijapranata Catholic University.

Finally, I would like to apologize if the project still has many shortcomings. I look forward to any suggestion and criticism.

Semarang, July 18th 2014

[Signature]

Paprj Raka Wijaya
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