PROJECT REPORT
Produce Cross Word Answer using Genetic Algorithm
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PRODUCE CROSS WORD ANSWER USING GENETIC ALGORITHM

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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.

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Donny Budiyanto
11.02.0062
FOREWORD

After 3.5 years, I have studied in Faculty if Computer Science of Soegipranata Catholic University. Finally, I have been able to make a project as a requirement of my graduation. Produce Cross Word Answer using Genetic Algorithm is project title, to finish this project is not easy. Many obstacles and barriers in my way to finish this project. But with the help of many peoples, this project can finished in time. In this opportunity, I would say thank you to my Lord Jesus Christ, for His blessing and His miracle so I can finish my projec, my parents (Budiyanto and Tati Utomo) for their support, love, pray and blessing, my brother and sister (Ferdy Budiyanto and Karina Budiyanto) who never tired give me motivation everyday and my other lectures and friends who support me that can't be mentioned one by one.
ABSTRACT

In newspapers, cross word always loaded and offers a number of prizes for the winners. Sometimes the answer to the cross word is the word that is rarely used in everyday life. It will be difficult for the person who answered the cross word. Therefore, this project will help answer the cross word. The project will provide possible answers of the letters that the user entered.

This project will apply genetic algorithms and written with java programming language. Genetic algorithms will process the letters outcomes user input to generate the possible answers in the cross word. The project also uses a Levenstein Distance algorithm to make sure the answers are produced accordance with the existing grammar. The result will show in GUI (Graphical User Interface).

Keyword: Genetic Algorithms, Levenstein Distance Algorithm, Cross Word, Cross, Word
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