



**PROJECT REPORT
STATISTICAL CALCULATOR FOR ANALYZE
STUDENT'S GRADE**

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13.02.0120**

**Faculty of Computer Science
Soegijapranata Catholic University
2017**

APPROVAL AND RATIFICATION PAGE

STATISTICAL CALCULATOR FOR ANALYZE STUDENT'S GRADE

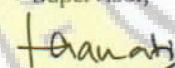
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This project report has been approved and ratified
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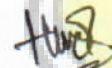

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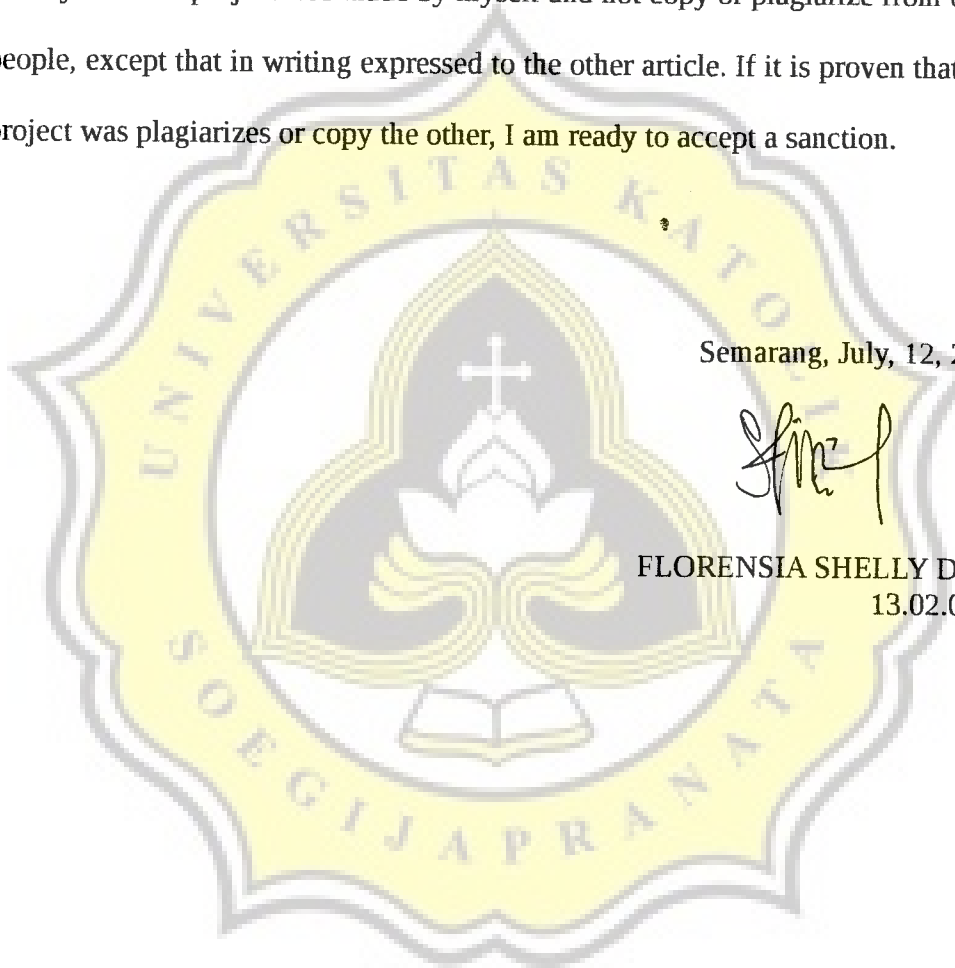
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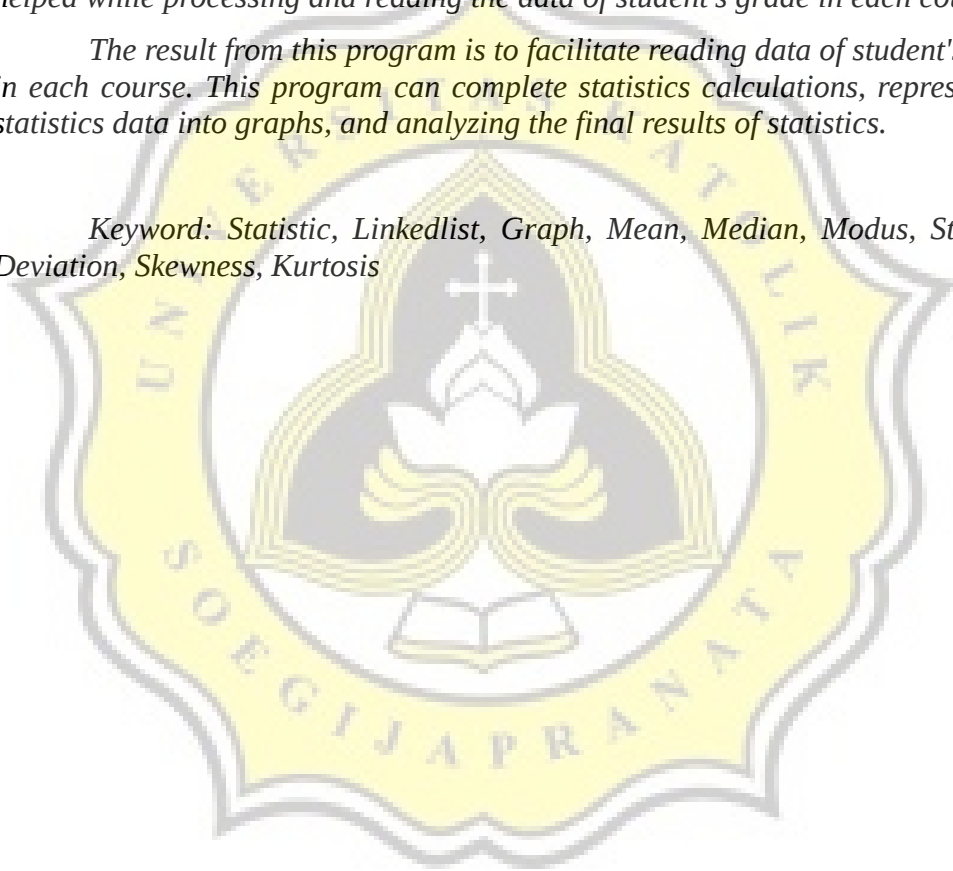
ABSTRACT

Department of informatics engineering at the Soegijapranata Catholic University store data of student's grade every semester. The data consist of student number (nim), subject code, grade, year and semester. But those data are never analyzed, because it is difficult to process all the raw data.

Therefore needed a program to simplify data processing of student's grade using statistics formulas. The data structure used is linkedlist which store data of student's grade. This program will be represent the raw data with graph visualization. By using this program, informatics engineering department will be helped while processing and reading the data of student's grade in each course.

The result from this program is to facilitate reading data of student's grade in each course. This program can complete statistics calculations, represent the statistics data into graphs, and analyzing the final results of statistics.

Keyword: Statistic, Linkedlist, Graph, Mean, Median, Modus, Standard Deviation, Skewness, Kurtosis



PREFACE

This program is used to simplify data processing of student's grade at Soegijapranata Catholic University using statistics formulas. The statistic formulas that used in this program are mean, median, mode, standard deviation, kurtosis and skewness. The skewness and kurtosis formula will shown the analyze from the result calculation. This program is facilitated with graph visualization, it will represent the raw data.

All of the raw data will be stored in linkedlist, after that the student's grade data will be convert into number so it can be calculated with statistic formulas. This program will do calculations according to year or semester or subject that choosen before. To complete this program, the programming language that will be used in this program is C++ programming language and CGI (Common Gateway Interface) to connect this program into web page.

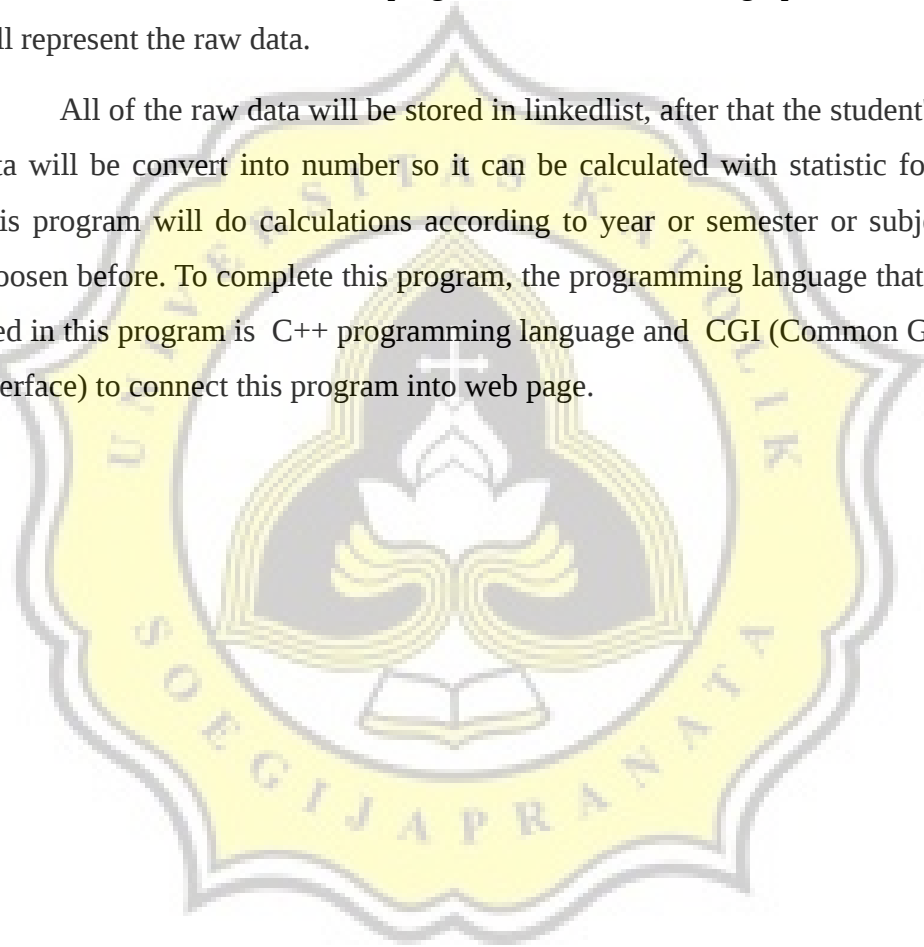
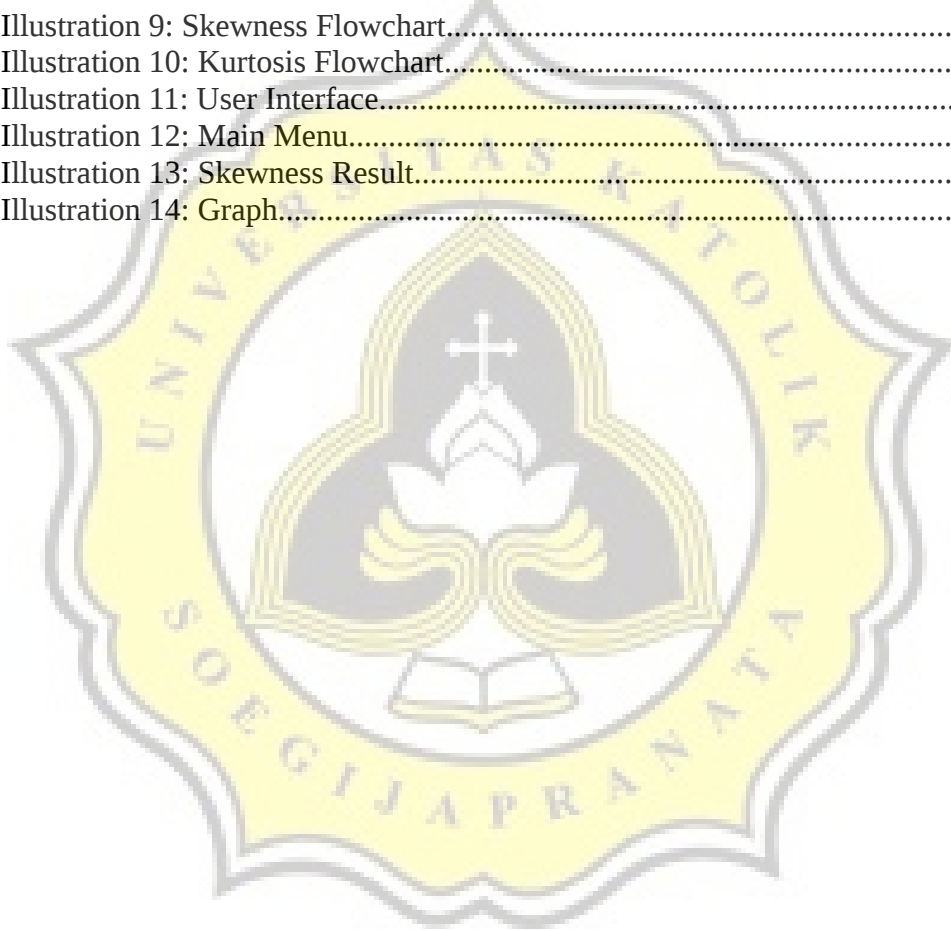


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