



## PROJECT REPORT

### Statistical Calculation of Mean, Median, Mode, and Standard Deviation Using PHP programming language

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**PROJECT REPORT**

Statistical Calculation of Mean, Median, Mode, and Standard  
Deviation Using PHP Programming Language

by

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of Computer Science and Supervisor on 13 July 2015

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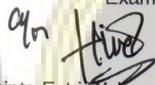
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**STATEMENT OF ORIGINALITY**

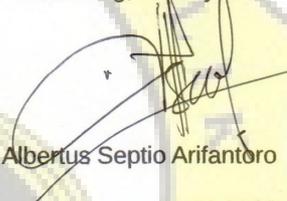
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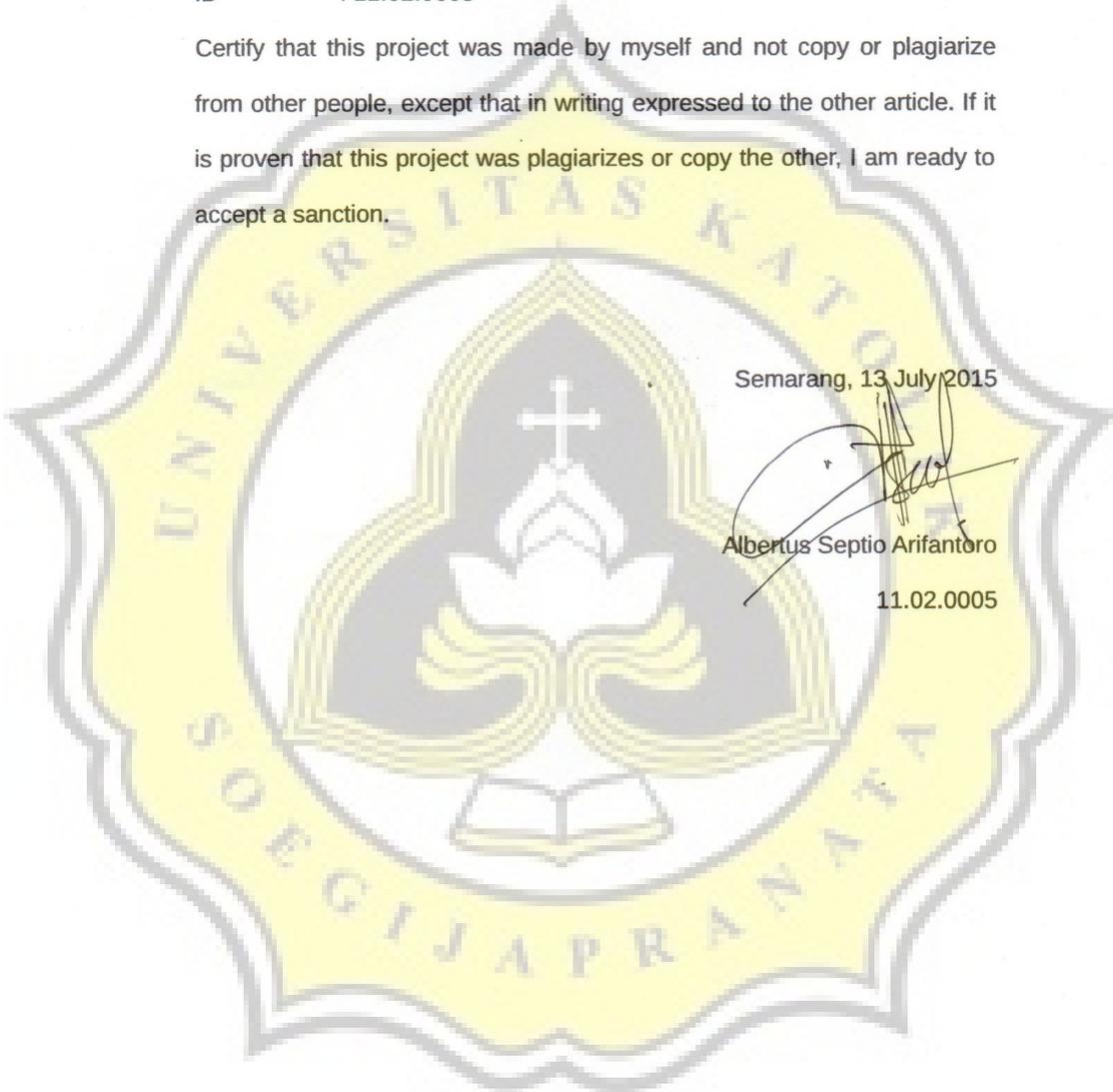
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Semarang, 13 July 2015

  
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11.02.0005



## FOREWORD

A long journey I was in college in the Faculty Computer Science Unika Soegijapranata this I ended up with made the Task of the End of a called Program Statistical calculations were the Mean, Median, Mode, and Standard Deviation equipped with Linear Graphs. Joy and sorrow I live in the line of Duty this End, a title rejected, and the guidance a couple of times that is certainly very tiring finally got me through it with good. Thank you I say to the almighty God who always give you a miracle – the miracle of the fact and also a blessing as well as guidance to me. My Father Andreas S. Ananta, my Mother Th.Mj Retno Trisnarningsih, my Brother Adrianus Setyawan Aditama, my Sister Yashinta Mutiara Laksmidara, and my girlfriend Maria Alin Deivyline who always give attention, prayers, and support me from the start till the end of the composing Job this End. Suyanto Edward Anthony, Ir., M. Sc, Hironimus Leong, S. Kom., M. Kom, Shinta Estri Wahyuningrum, S. Si., M. Cs, Rosita Herawati, ST., MIT has been teaching me from the beginning to go to college until now, and that always give advice that is good to work on my End. My friend from Gratia Choir, Gratia Voice, CAT'anMilk Resto, Greget Messenger, all my friend who help me in the process of progress Task End, and all those who have supported me until the end of the preparation of this final task that cannot be mentioned one by one.

## PREFACE

Statistics is a collection of data in the form of numbers or letters are arranged in the form of tables, and can also be data sets that have the same kind and type. The statistical calculations used most often is the calculation of Mean, Median, mode, and standard deviation. The project discusses the calculation of statistics related to the Mean, Median, mode, Standard Deviation, and that aims to help students, or workers in order to calculate stats quickly and precisely.

Chapter 1 describes the background of the making of the project from the beginning to the end of the creation of this project. While the project has the limitation that will be described in the scope. Will be shown also the purpose of the creation of this project.

Chapter 2 discusses the study literature that contains an explanation of the understanding and implementation of the data structure against this program. Besides it will be explained the notion of statistics and calculation of mean, median, mode, and standard deviation. As well as the implementation of the programme of statistical calculations that had previously been made by others, and the difference this program with the program that was previously created by other people.

Prior to this project made the step to do is to make planning in advance, so that the goals of the project can be completed properly in a timely manner. This planning is discussed in Chapter 3.

While the road program from beginning to end, starting from the place the files to process the calculation and display of the graph will be discussed in Chapter 4. Next talk about program implementation and the test program is already running well or not will be discussed in Chapter 5.

In the final part will be shown the conclusion summarizes the full target of making the project from beginning to end.

## ABSTRACT

*This program describes the Statistical calculation of Mean, Median, mode, and standard deviation. Users are able to understand the results of the statistics by way of pasting a CSV file that contains numerical data as well as the letter.*

*Due to the vast amount of numerical data, or data contained in the letter of the Statistics then this program presents a statistical calculation that calculates about Mean, Median, mode, Standard Deviation, and that aims to make it easier for the user in the process of its calculations. In addition, the program can display a graph that would later help the user in viewing the statistical results.*

*The goal of this program is to help the user in the calculation of the statistics prove very difficult and long certainly spend a very long time, so after using this program can be generated calculating statistics Mean, Median, mode, Standard Deviation quickly, and right. After the results of its calculations indicated to the user in the form of text that contains the results of Mean, Median, mode, Standard Deviation, and then after that the user will be shown the results of a calculation in the form of graphs. graph line graph is used because it is easier in reading and understanding the content of the statistical data. This program is created by using the PHP programming language, and 2 dimensional array for data structures. struktur 2-dimensional array of data serves to store data to be displayed.*

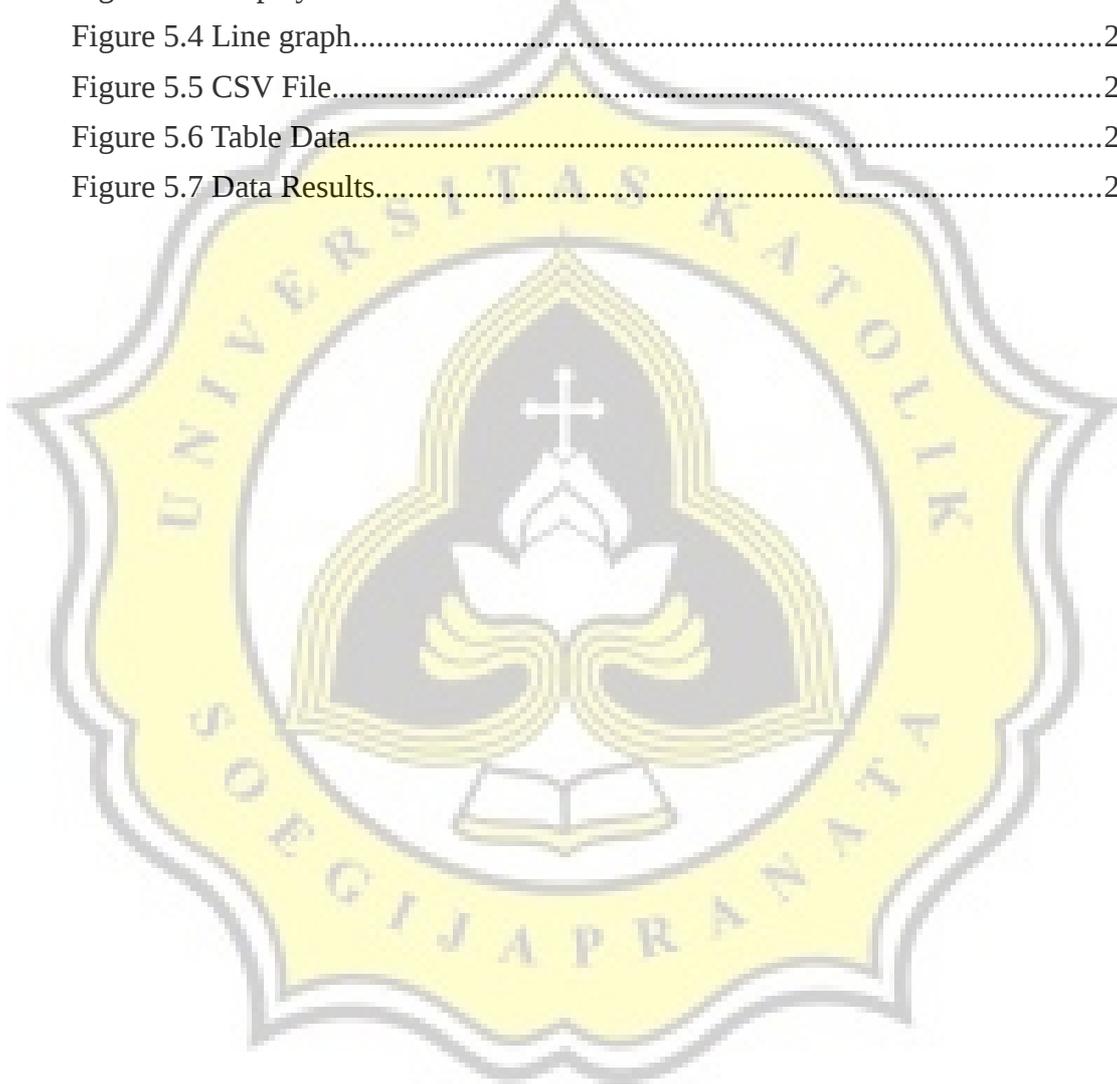
**Keyword: Statistics, PHP Programming, 2 Dimensional Array**

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