PROJECT REPORT

ANALYSIS COMPARISSON BETWEEN SIMPLE ADDITIVE WEIGHTING (SAW) AND WEIGHTED PRODUCT ALGORITHM ON EMPLOYEE PERFORMANCE BASED ON RATINGS

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APPROVAL AND RATIFICATION PAGE

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ABSTRACT

PT Kurios Utama still uses employee ratings manually. The manual method is very ineffective, because it is fairly slow in processing data calculations. In addition, the ranking process of employee rankings is very difficult. Because the number of employees is relatively large so it takes a long time to rank employees.

Therefore a method is needed to solve calculations quickly and effectively. One method for completing calculations using an algorithm. Algorithms for calculating and sorting employee ratings, there are two algorithms that can be used, namely the Simple Additive Weighting algorithm and the Weighted Product algorithm. This project will discuss the comparison of the results of the two algorithms.

After comparing the results of the two algorithms. Test ten times with different weights. Produce different ranking calculations between original data, Simple Additive Weighting algorithm and Weighted Product algorithm.

Keyword: Simple Additive Weighting, Weighted Product, Employee Perfomance, Rating

PREFACE

The report consists of 6 chapters. Chapter 1, explains the background of the problem, the solution to overcome the problem, the boundaries of the project and the final goal of the project. Chapter 2, about the journal discussion used as a reference and analyzed. Chapter 3, explains how to get data, programming languages and data processing. Chapter 4, describes the flow of algorithms and design flowcharts. Chapter 5, the implementation contains the source code and an explanation of the flow code. The test contains a data experiment. Chapter 6, concludes from all of these projects through suggestions for continuing things that have not been completed in this project.

TABLE OF CONTENTS

ILLUSTRATION INDEX

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INDEX OF TABLES