

**STUDENT SATISFACTION ANALYSIS OF PUBLIC HEALTH STUDY
PROGRAM UNIVERSITAS MUHAMMADIYAH KALIMANTAN TIMUR
TOWARDS ONLINE LEARNING PERFORMANCE USING C4.5
ALGORITHM**

THESIS

**Submitted in partial fulfillment of the requirements for a Bachelor
of Computer Science**

SUBMITTED BY :

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**INFORMATION ENGINEERING S1 STUDY PROGRAM
FACULTY OF SCIENCE AND TECHNOLOGY
UNIVERSITAS MUHAMMADIYAH KALIMANTAN TIMUR**

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APPROVAL SHEET

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LEARNING PERFORMANCE USING C4.5 ALGORITHM

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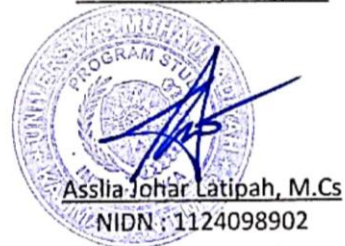
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STATEMENT OF AUTHENTICITY OF THESIS

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Stating that the thesis with the following title: Student Satisfaction Analysis of Public Health Study Program Universitas Muhammadiyah Kalimantan Timur Towards Online Learning Performance Using C4.5 Algorithm

1. This paper is completely ORIGINAL and has NEVER been submitted for a Bachelor's Degree in Computer Science, either at the Universitas Muhammadiyah Kalimantan Timur (UMKT) or other universities.
2. This paper is MY own idea, formulation and research, without any help from other parties except the direction of the Advisory Lecturer
3. In this paper there are no works or opinions of others, except in writing that is clearly stated as a reference in the manuscript with the name of the author mentioned and mentioned in the Bibliography of this paper.
4. The software used in this study is entirely my responsibility, not the responsibility of the Universitas Muhammadiyah Kalimantan Timur (UMKT)
5. I make this statement in truth, if in the future there are irregularities and untruths in this statement, then I am willing to accept ACADEMIC SANCTIONS with the revocation of the bachelor's degree that has been obtained, as well as other sanctions in accordance with the prevailing norms at Muhammadiyah Higher Education.

Samarinda, 10 June 2022

Which States,



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FOREWORD

Alhamdulillah, by giving thanks to Allah SWT, because with His guidance this thesis is entitled "Analysis of student satisfaction on online learning performance in the Public Health Study Program Universitas Muhammadiyah Kalimantan Timur using the C4.5 algorithm" could writer complete it on time, as one of the requirements to complete lecture assignments and to achieve the graduation requirements of Universitas Muhammadiyah Kalimantan Timur Samarinda.

All deficiency in writing thesis this very realized by writer, however on help morale nor material from various party get it everything is fulfilled completeness in the writing. For that in opportunity this The author should express his gratitude and highest appreciation to various parties who directly or indirectly have given his help.

1. Mr. Prof.Dr.Bambang Setiaji as the rector of the Universitas Muhammadiyah Kalimantan Timur, and Prof. Ir. Sarjito, MT, Ph.D as the Dean of the Faculty of Science and Technology, Universitas Muhammadiyah Kalimantan Timur who has been pleased to provide the author with the opportunity to complete his studies at the Universitas Muhammadiyah Kalimantan Timur.
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4. All lecturers of the Informatics Engineering Study Program and all lecturers of the Universitas Muhammadiyah Kalimantan Timur who have provided a lot of knowledge to the authors so that they can complete writing thesis as wrong one condition for get title Bachelor of Computer Science.

5. Person old and sibling beloved which always give love Dear, dua, advice, as well as on patience which outside normal face in every step of the author's life, which is the greatest gift in life.
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Samarinda, 20 June 2022

Resky Risjayadi

ABSTRACT

This study aims to analyze the level of student satisfaction with online learning performance in the Public Health Study Program Universitas Muhammadiyah Kalimantan Timur using the C4.5 Algorithm method. There are five aspects that are seen in assessing the level of satisfaction, namely tangible, reliability, assurance, responsiveness, and empathy. In the Public Health Study Program Universitas Muhammadiyah Kalimantan Timur, where the data source used used a questionnaire/questionnaire technique given to the 2019 and 2020 Public Health students, after doing the calculations, it was found that the aspects of assurance, responsiveness, reliability and tengibles had the highest gian which later became decision tree. In this study using rapidminer tools to create a decision tree. In this study, the accuracy of the use of the C4.5 algorithm is 100%.

Keywords : *C4.5 Algorithm, RapidMiner, Student satisfaction, online learning*

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ATTACHMENT LIST

Attacment 1. Biography

Attacment 2. Diagrams on Google Forms

Attacment 3. Questionnaire Validity Test

Attacment 4. Satisfaction Questionnaire Data

Attacment 5. Classification Dataset

Attacment 6. Research permit

Attacment 7. research reply letter

Attacment 8. consul sheet

Attacment 9. Turnitin cover