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Turnitin Services in Plagiarism Prevention at The Unnes House of Science Library UPT

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Abstract

Plagiarism is an academic crime that greatly disrupts the performance of a University. The creative works of writing created by the academic community of Semarang State University need to be protected for their authenticity. Sometimes students' writings in the process of creating written works in the form of theses, dissertations and dissertations must include other written works as citations to support the novelty of their writing. Since 2021, the Semarang State University Library Unit has been appointed as the gateway for selecting student writings to be submitted to the Final Assignment Examination. Through the procedures that have been prepared, each student who will take the final exam submits online in the form of a document file that will be processed by the Library Unit staff and provide the results of the document. From the documents that have been sent and uploaded in the Turnitin application, a similarity presentation is produced. The results of this similarity make it an interesting material to study the percentage level of the initial writing and the improvements sent in the similarity submission. This study will look at Turnitin data submitted in 2022. The data is 8000 Turnitin submission data and its improvements. From this data, it can be expected that this study aims to determine how effective the use of the Turnitin application is in filtering final assignment writing from students before being tested by the examining committee at the Faculty. After being tested and declared passed, this final assignment will be published in the Unnes repository on the page <http://lib.unnes.ac.id>. The output produced in this study is targeted to be published in a national journal indexed by Sinta, namely the Journal of Educational Research <https://journal.unnes.ac.id/nju/index.php/JPP>. This study is expected to be used as a reference for managers of library materials from students' work that are ready to be published so that they are safe from plagiarism.

Keywords: Plagiarism, final assignment, turnitin

INTRODUCTION

Writing of Student Final Assignments has long been published through <http://lib.unnes.ac.id>. Unnes students after taking the final exam and being declared to have passed by the committee will continue their graduation process through the graduation registration procedure. One of the registration processes is by collecting the results of their final assignments to the Library UPT which will be recorded and published in the Unnes repository. After this flow is carried out by students and several other flows are passed, students can register for the University graduation ceremony.

Before 2019, Semarang State University had not subscribed to Turnitin as an application to detect sentence equivalents or plagiarism in student writing. Previously, only Title equivalents were still manually detected by supervisors and heads of departments to select final project submissions submitted by students. An effective way is needed to filter the writing because at that time the publication of the writing had been uploaded to the University repository. Not only the title or content in the final project writing, the citation of the writing is certainly very vulnerable in writing because equivalents or plagiarism are very diverse.

After 2019, Semarang State University subscribed to Turnitin to see the level of plagiarism of academic writings. Initially, Turnitin was only used as a tool to help journal authors before being published in the UNNES Journal management. The journal team uses Turnitin as a detection and review tool for author writings. Meanwhile, UNNES currently manages 177 journals, four of which are indexed by Scopus, so the use of Turnitin is very vital in its operations.

The management of Final Assignment matching checks was originally distributed in each department to validate each student's writing. This process turned out that the documents sent to the university were not the same as the documents checked for plagiarism at the study program level. This is what prompted the Turnitin check to be centralized at the UPT Library of Semarang State University.

This was done because the final assignment file after being checked would be ready to be published on the page <http://lib.unnes.ac.id>.

This Turnitin match checking is an important tool run by universities to maintain an academic climate free from plagiarism. The Library Unit is trusted to oversee this process and provide access to final assignments ready for publication.

Problem Solving Approach

From the tasks carried out by the Library UPT, making the final assignment writing selection gate is an important task. From several Turnitin results received by the Library UPT, many exceed the threshold permitted by the University. From the data obtained from Turnitin output, it can be used as material for research on how much the effectiveness of using Turnitin can affect the results of students' final assignment writing that will be published.

UPT Library Rumah Ilmu Universitas Negeri Semarang as one of its main tasks is to store and present library materials for students and lecturers in its environment and the repository is a serious matter to maintain the library so that it can be accounted for. By maintaining the final report of students that need to be in Turnitin, seriousness is needed that needs to be maintained and accounted for.

The right approach that has been taken by the University policy is to manage the final student writing data in a controlled and integrated manner. This management needs to be studied and used as a reference to determine the effectiveness of using Turnitin to check the word equivalents in each UNNES student's writing.

State of the art and novelty

In conducting research with the scope of archive system integration at a university, several articles that have been published are as follows:

Iqbal Al-Parisy: 2020 (1) "Designing Library Management and Service Governance Based on Qualitative Methods" The importance of the quality of human awareness levels, because school libraries and university libraries are an integral part of supporting the education process. With the synergy of intellectual quality and rationality, there is no degradation of education, elements that must be met such as services, quality, abilities and attitudes from both librarians and users and the existence of library management functions with the fulfillment of human resources and collections that meet library standards according to Law no. 43 of 2007.

Febriyanto, 2020 (2) ; Implementation of Personal Assistant Library Service (PALS) in improving reference services in college libraries The implementation of PALS reference services in the Pancoran University library is still seen as being at the stage of an individual-based library service initiative in Indonesia. Individual-based services have advantages in overcoming users who are still confused in utilizing information resources, in addition, services can also be provided more focused and in-depth on certain subjects.

Struggle 2018. The Role of Librarians in Developing Service Quality at the Muhammadiyah University of Pontianak Library" The Muhammadiyah University of Pontianak Library has run several types of services including Circulation/borrowing and returning library materials, Reference services, On-site reading services, Membership services, Electronic collection services. Librarians as library innovators continue to strive and plan to develop the quality of library services such as planning to create a Muhammadiyah Corner, repair and expand the library space, update collections, and recruit additional human resources.

Khaerah, 2020" (3) Analysis of Librarian Social Skills in Improving Service Quality at the Takalar Regency Library and Archives Service" Librarians have been very helpful in preparing what users need when they are in the library. Assistance to users is in the form of preparing search tools through inputting into the book database and preparing other facilities such as reference rooms, children's reading rooms, prayer rooms, and mobile library facilities so that all levels of society can take advantage of the library.

Naibaho 2020 (4) "Evaluation of Online Services and Access to Digital Collections of the University of Indonesia Library" This study of the use of UI Library Services 2018 is a strategic step by the Library in evaluating services to users. Forty-one statements divided into five topics in this study showed quite diverse results.

A Prabowo, 2018 (5) "THE ROLE OF LIBRARIANS IN TURNITIN SERVICE LITERACY FOR LIBRARIANS AT DIAN NUSWANTORO UNIVERSITY" The use of turnitin services by library users currently still needs attention from the library along with the emergence of fraudulent acts against the turnitin system. Library users in this case lecturers and students must understand the purpose of this

service. Turnitin service literacy activities are the librarian's ability to recognize information, analyze, and evaluate a service. Librarians must play an active role in every service provided by the library.

Prihatini, 2021” (6) THE ROLE OF LIBRARIANS AS PERSONAL LIBRARY SERVICE FOR TURNITIN SERVICES” The role of librarians as personal library service for Turnitin services has been carried out optimally, but due to the limited number of human resources for this service librarian, the time required to fulfill incoming service requests is longer. Meanwhile, the role of librarians as personal library service in improving Turnitin services has also been quite good, socialization by librarians in the university environment has also received a good response from the academic community.

Shauro 2020 (7) “Leiden University Library virtual reference service through the KITLV-Jakarta library” librarians at the KITLV-Jakarta Library do not have the same access as librarians at the Leiden University Library, even though the KITLV-Jakarta Library is a representative of the Leiden University Library in Jakarta after being acquired by the Leiden University Library in 2014. Until now, the KITLV-Jakarta Library has played a role as a research media and provider of collections on Indonesia and Southeast Asia published in Indonesia to meet the collection needs of the Leiden University Library.

Sungadi 2019” (8) Library Promotion and Marketing of Library Services “The Role of Library Professionals” Budget constraints in the advancement of new technology and implementation in libraries have opened up new perspectives for marketing library resources, products and services.

Supriyanto 2021 (9) "Information Search Services and Turnitin Services During PSBB at the Bogor Agricultural Institute Library and Gadjah Mada University Library" IPB University Library and UGM Library, despite facing PSBB, have tried to optimize services so that they run as they should. Although users cannot visit the library in person, users/students who are writing their final assignments can still complete them on time. This is a must for the IPB University Library and UGM Library to always serve user requests by utilizing online services.

Ulfa 2020” (10) Implementation of Information Technology to Improve the Quality of Library Services” From the explanation above, it can be concluded that the implementation of information technology to improve the quality of library services is an activity of implementing or applying technology used in delivering or processing information to improve the quality or standards that must be achieved in the main activities in each library.

Wijonarko 2019” (11) Efforts to Improve Information Services of the Institute of Domestic Government in Jadinangor” Library collections that include service facilities and infrastructure for librarians and library administrators are a strategic role that focuses on developing and implementing systems that adapt to the development of science that is constantly changing.

METHODS

The research method is a way of working to collect data and then process it in such a way as to produce data that can solve research problems. This was expressed by Winarno Surakhmad (12) , namely: "The research method is the main way to achieve a goal, such as testing a series of hypotheses using certain techniques and tools. This main method is used after the researcher evaluates its suitability to the research objectives and situation. The role of research methodology is very important when someone tries to collect the data needed for research. Research methodology provides guidelines for conducting research or instructions for conducting that research. Methodology means including methods and methods for testing the data needed to solve or answer research problems. This study uses a descriptive analytical method with a quantitative approach. As noted by Nana Sudjana and Ibrahim (13) : Descriptive research is research that tries to describe a symptom, event and incident that is taking place, where researchers try to describe the events and incidents that are the center of attention and describe them as they are.

The research method is a research flow that has the aim of collecting data needed in the research. While the research flow process is as follows:

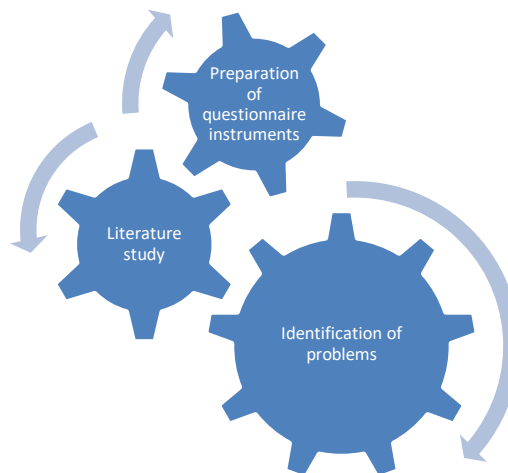


Figure 1. research method

Research Stages

a. Identification of problems:

Problem identification is the initial stage of a study by identifying the problem. Problem identification is used to find out the problem to be analyzed. Thus, the final results that can be obtained will be in accordance with the objectives of the study. This study was raised because the author felt the need for it because of the management of Turnitin which has been managed by the Library UPT so that data can be obtained more easily and reviewed for identification.

b. Literature Study:

Literature study in this study is useful for deepening the knowledge that is the basis for this study. Literature sources can be obtained from national and international journals, accessing public websites, and previous research. Several journals that have been collected have been presented by researchers in the state of the art.

c. Preparation of Questionnaire Instrument:

The compilation of the questionnaire is used to accommodate and manage questions that will become data to find out the title data received by the Turnitin operator and compile an instrument. The finished instrument is added to each Turnitin submission by students. The number of data expected to fill out the questionnaire is students who are ready to graduate in the even semester of 2023. The estimated data included in this compilation is around 3000 students

d. Data collection:

Research data collection was conducted to ensure that the data held is valid and reliable. The data covered includes primary data derived from the distribution of questionnaires to each student who submitted Turnitin and secondary data derived from literature studies.

e. Data Analysis and Evaluation:

The data analysis stage is obtained from respondents who are studied and described in the data analysis. Furthermore, evaluating the data that has been collected in a matrix that can be used as a guideline for managing the University library

Population and sample

The subjects of this study were Turnitin Managers at the UPT Rumah Ilmu Library, Semarang State University. The data processed were the final project title data submitted in the Turnitin process for the even semester of 2023.

RESULTS AND DISCUSSION

Turnitin is a very easy-to-use tool that works quickly in determining whether a scientific paper or work can be authenticated. According to the Queen Mary University of London blog, Turnitin is claimed to often act as a web-based anti-plagiarism system used by many universities.

Plagiarism Prevention Measures in Writing Scientific/Written Articles Providing reports that can help identify examples of plagiarism

Provides an identity number and grade for plagiarism-related writing to students or researchers that needs to be corrected to prevent plagiarism.

Improving the quality of writing, academic writing or academic writing in the university ecosystem. In the world of writing, especially scientific writing, in essence there is no work that is truly original. Scientific work increasingly relies on existing theories, so it is important to include sources of views and arguments used in writing the document. Common plagiarism is someone's negligence in writing or correcting sources. This can be avoided by making footnotes/contents for each phrase or sentence obtained from external sources. Citations will indicate which parts of the article come from external sources and must be specifically listed in the bibliography.

Plagiarism is the act of stealing someone else's thoughts and claiming them as your own work without permission from the original author. Therefore, try to understand the source or reference and then rewrite it creatively to support the findings or hypotheses of the scientific work you want to write without changing its meaning.

According to the Big Indonesian Dictionary (KBBI), interpretation is the breakdown or reformatting of a text or composition into a different arrangement of words with the aim of explaining the hidden meaning.

From the number of UNNES students who have submitted to be tested for their suitability, there are 10,963 article submissions that were checked by the library staff of the Rumah Ilmu. The data is in table 01. From the table, it is dominated by undergraduate students with a total of 10,637 submissions from 2023 to August 20, 2023. This data of course always increases according to the submissions of students whose articles will be tested. Turnitin is a requirement by study programs if they will submit a final exam.

Table 1. Turnitin User Data at UNNES Science House

No	Level	Users
1	Diploma	22
2	Bachelor	10,637
3	Master	279
4	Doctoral	25

Average Turnitin Results

In submitting Turnitin, the average can be taken as shown in table 02. From the table below, it shows that the work of diploma students has done an average of 4.5 out of 22 titles submitted for turnitin. While in the undergraduate program, the average Turnitin submission was 3.4 times. While for the master's program with 279 users, it has used an average of 3.3 times. For the doctoral program, Turnitin was submitted 3.4 times in meeting the minimum agreed Turnitin value standard, which is a maximum of 26%.

No	Level	Users	Average repeat rate
1	Diploma	22	4
2	Bachelor	10,637	3
3	Master	279	3
4	Doctoral	25	3.4

Average value

Meanwhile, the initial value for submitting an average Turnitin submission is as follows:

Turnitin initial value table results			
No	Level	Users	Initial turnout value (%)
1	Diploma	22	30
2	Bachelor	10,637	35
3	Master	279	36
4	Doctoral	25	37

From the table above, it shows that the average value of diploma students' work is 30% of the 22 titles submitted to Turnitin. While in the undergraduate program, the average Turnitin percentage submitted was 30% times. While for the master's program with 279 users, the average initial Turnitin percentage submitted was 35%. For the doctoral program, the Turnitin submitted was 35%.

The number of UNNES graduates is certainly very large. This year, UNNES students reached 45,595 students who were actively registered as students (data on October 10, 2023) taken from data.unnes.ac.id. and each year also graduates more than 7,000 students who will graduate each year. This means that the Turnitin Rumah Ilmu service serves more than a minimum of 21,000 services each year if applicants take the Turnitin test an average of 3 times.

Of course, this service will be better if it has been separated between the final assignment testing and the journal matching service. The university plans for the journal article testing to go through the iThenticate application which will be managed by the university journal center. By dividing the matching service, it will be more focused and adjust the service for students in the Library UPT and for journal article services in each journal manager and the Semarang State University Journal Center

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