



## RESEARCH BOOTCAMP TRAINING TO IMPROVE RESEARCH COMPETENCE AT THE MUHAMMADIYAH UNIVERSITY OF PALOPO, NAHDLATUL ULAMA UNIVERSITY OF INDONESIA, AND AL-AZHAR ISLAMIC UNIVERSITY OF MATARAM

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### Abstract

University is one of the centers of intellectual development in order to improve competitiveness, performance, and quality. However, universities need to make improvements, especially in research, because it is often found that lecturers and students have difficulties in writing articles and publications, especially those experienced by students on private campuses such as Muhammadiyah University of Palopo, Nahdlatul Ulama University of Indonesia, and Al-Azhar Islamic University Mataram. This activity is one of the efforts to overcome these problems. With this activity, it is hoped that participants can be helped in making articles by learning about accessing indexed national and international journals and using Quillbot software for paraphrasing.

**Keywords:** Research, Research Software, Article access, publication

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### INTRODUCTION

In the 21st century, lecturers have become facilitators to create an effective learning environment for students. In addition, lecturers must understand how to interact with students. The tasks assigned to lecturers, especially in carrying out tridarma, are more competitive and require a certain level of competence to run well. Excellent (qualified) lecturers are needed so that they can adapt well in the middle of the 21st century.

The development of education today is required to be more advanced by the times. In an era of rapid change, education plays a very important role. In this century, universities are faced with various challenges, especially those related to increasing competitiveness and human resources. Excellent human resources are needed who have a global outlook, have a master of science and technology, and have creative performance.

Higher education is one of the centers of intellectual development. Higher education as an educational institution carries out the duties of the tridarma of higher education to increase competitiveness, performance, productivity, and quality. To do so, it is necessary to make improvements to each component of it, for example, research. At the university level, lecturers and students often find it difficult to work on their research, especially in terms of writing articles and publications. This difficulty is experienced by many students at private campuses such as the Muhammadiyah University of Palopo, Nahdlatul Ulama University of Indonesia, and Al-Azhar Islamic University of Mataram. The conditions of the COVID-19 pandemic have made learning and research activities, including thesis guidance, difficult to conduct remotely and have made it difficult to write scientific articles and publications.

Based on data from the Ministry of Education, Culture, Research, and Technology, one of the research-related problems faced by Indonesia is that the number of students and lecturers is not yet proportional to the number of publications produced. Until 2019, out of 4,607 universities and 177,000 lecturers and researchers registered in the Science and Technology Index (Sinta), Indonesia only produced 34,007 Scopus-indexed journals. The low number of scientific publications by Indonesian researchers is partly due to a lack of understanding and interest in research, especially among students. This happens because national innovation in research is still low.

Based on the results of the initial observations made by the community service team, it was found that research activities in universities still need to be improved. The implementation of research both at the lecturer and student levels at the place of service has challenges, including a lack of skills among lecturers and students at the place of service in using research support software; a lack of ability among lecturers and students at the place of service to write scientific articles and publications; and a lack of knowledge among lecturers and students at the place of service in finding the latest scientific journal articles as research support.

Based on these conditions, to improve the quality of research through the activity "Research Bootcamp Training to Improve Research Competence to Improve Research Competence". This activity is important so that partners can have basic skills in conducting research whose main goal is to publish in international journals. Publication of scientific articles can improve the quality of learning at the university; this activity is also carried out in an effort to increase understanding and interest in research among students and lecturers.

## **LITERATURE REVIEW**

Limited access to journals and scientific articles is certainly a barrier to conducting research. Some articles can only be accessed by certain groups. Meanwhile, to produce quality articles, relevant and up-to-date references are needed. Therefore, in this activity, the speaker will provide material on accessing journals.

One of the other problems with research is the high rate of plagiarism detected. One way to reduce the points of plagiarism is by paraphrasing. Manual paraphrasing is generally done by summarizing, using synonyms, changing sentence structure, and rewriting based on one's understanding. However, if there is too much to paraphrase, this manual system will take a lot of time. With the development of the current era, researchers are facilitated by research support software called Quillbot. Quillbot can be used by students to rewrite or as an alternative tool when they cannot paraphrase manually (Fitria, T. N., 2022).

## **METHOD AND PROCEDURES**

The method used in this activity is the lecture method (presentation of material), practice, and discussion, with the intention that the material can be received by participants or partners. Basic Skills

Training for Scientific Writing (Research Bootcamp) activities are aimed at Partner Students and on campus, where participants learn theory and practice related to accessing indexed national and international journals. Participants are expected to be able to paraphrase using Quillbot software. The details of the information of this seminar activity are as follows:

1. Time and Place of Implementation

- Date : Friday, 09 April 2021  
 Time : 19.00 Wib – Pk. 8:45 p.m.  
 Place : Virtual Conference (Zoom Cloud Meetings Application)

2. Implementation (Event Arrangement)

The composition of the implementation event is as follows:

Table 1. Event Arrangements

Time (Duration in minutes)		Agenda	Keterangan
08.00 s.d 08.30 WIB	30	Participant registration	
08.30 s.d 08.35 WIB	5	Opening MC	MC (Diva Maharani and Anis Syalsabila)
08.35 s.d 08.40 WIB	5	Listening to "Indonesia Raya"	MC (Diva Maharani and Anis Syalsabila)
08.40 s.d 08.45 WIB	5	Remarks by the Chief Executive Officer	Ati Sumiati, MM
08.45 s.d 08.50 WIB	5	Remarks by the Dean of FEB Universitas Muhammadiyah Palopo	Hapid, S.E., M.M
08.50 s.d 08.55 WIB	5	Remarks by the Dean of FEB, University of Nahdlatul Ulama Indonesia	Taufik Hidayadi, M.Si
08.55 s.d 09.00 WIB	5	Remarks by the Dean of FE Al-Azhar Islamic University Mataram	Muhamad Sayuti, SE., MM
09.00 s.d 09.05 WIB	5	Greetings and Opening of the event by the Dean of FE, State	Prof. Dr. Ari Saptono, SE., M.Pd

<b>Time (Duration in minutes)</b>		<b>Agenda</b>	<b>Keterangan</b>
		University of Jakarta	
09.05 s.d 09.10 WIB	5	The awarding of e-certificate to the Deans of FE Muhammadiyah University of Palopo, Nahdlatul Ulama University of Indonesia, and Al-Azhar Islamic University of Mataram by Prof. Dr. Ari Saptono, SE, M.Pd as Dean of FE UNJ.	MC (Diva Maharani and Anis Syalsabila)
09.10 s.d 09.50 WIB	40	Material I (accessing journals & paraphrasing with Quillbot software) and Q&A	Prof. Dr. Rd. Tuty Sariwulan M.Si
09.50 s.d 10.40 WIB	50	Material II (Use of Grammarly & Mendeley Software) and Q&A	Dr. Suparno, S.Pd, M.Pd
10.40 s.d 11.10 WIB	30	Quiz and Doorprize	MC (Diva Maharani and Anis Syalsabila)
11.10 s.d 11.15 WIB	5	Giving e-certificate to the speaker by Mrs. Dr. I Gusti Ketut Agung Ulupui, SE, M.Si, AK, CA as the Vice Chairperson of the Activity Organizer	MC (Diva Maharani and Anis Syalsabila)
11.15 s.d 11.20 WIB	5	Closing	MC (Diva Maharani and Anis Syalsabila)

## RESULTS



Figure 1 Opening Speech from Mr. Taufik Hidayadi, M.Si. as (UNUSIA)



Figure 2 Opening Speech from Mr. Muhamad Sayuti, S.E., M.M (UNIZAR)



Figure 3 Opening Speech from Prof. Dr. Ari Saptono, SE., M.Pd (UNJ)



Figure 4 Opening Speech from Mr. Hapid, S.E., M.M (Univ Muhammadiyah Palopo)

The main activities of this event started at 09.10 WIB and ended at 10.40 WIB. Before starting the material, the committee has appealed to participants to download or prepare applications that will later be used. In this activity, the speaker delivered the material using the lecture method accompanied by practice. Then we continued with questions and answers. In the question-and-answer session, participants seemed enthusiastic with the many questions asked, but the committee limited the number of questions that could be asked to only three due to time constraints. The questions submitted by the participants were about the application that supports article writing and also article writing. With this material and Q&A session, it is hoped that participants will be able to create articles more easily and quickly in their work.

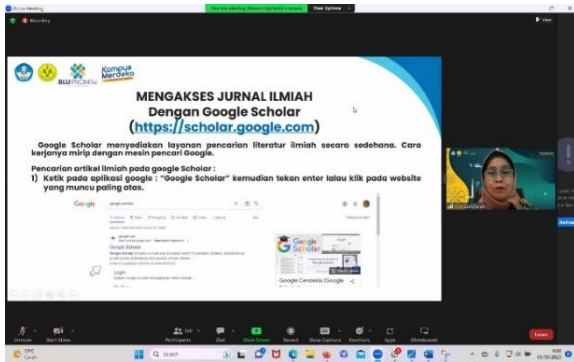


Figure 5 Accessing the Journal 1.

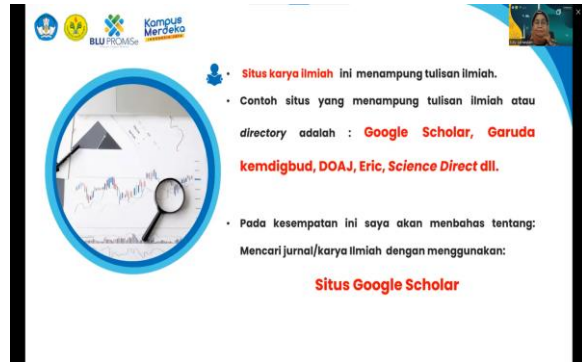


Figure 6 Accessing the Journal 2.

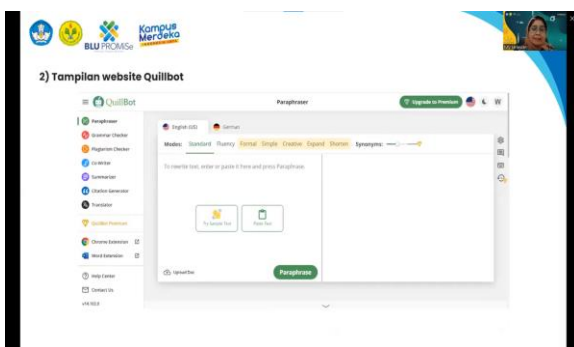


Figure 7 using the Quillbot 1.



Figure 8 using the Quillbot 2.

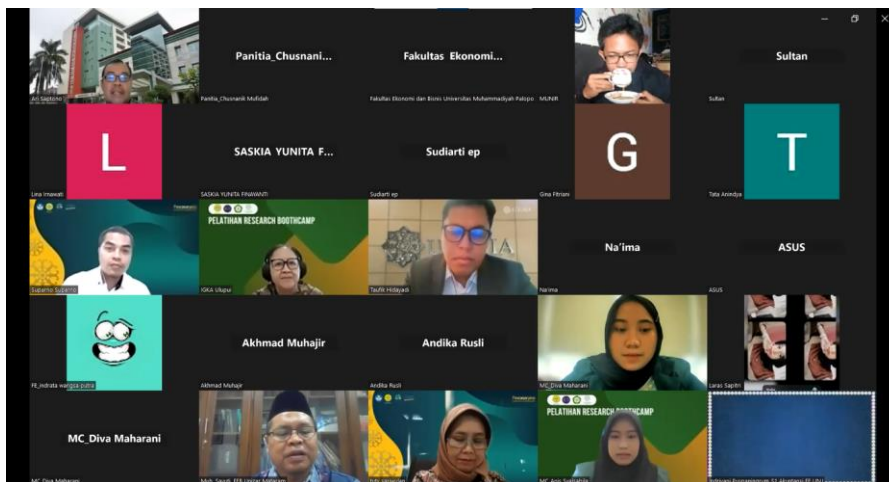


Figure 9 Documentation

After the material and Q&A session, followed by a quiz as a test of the participant's understanding of the material that had previously been explained, with a total of 349 participants, this activity went well, even though there were some criticisms and suggestions given by the participants through the Google form provided by the committee as a means to see the evaluation or assessment given by the participants. In the evaluation results, both the mastery of the material by the speaker, the

relevance of the material to the needs of the participants, and the answers given by the speaker during the event received a positive response, namely very agree with the percentage range above 50%.

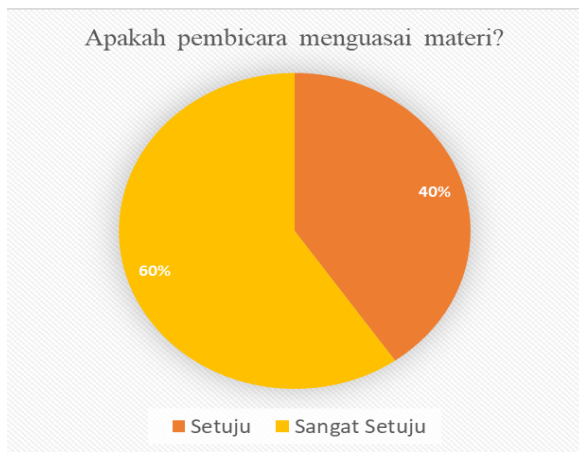


Figure 10 Evaluation 1

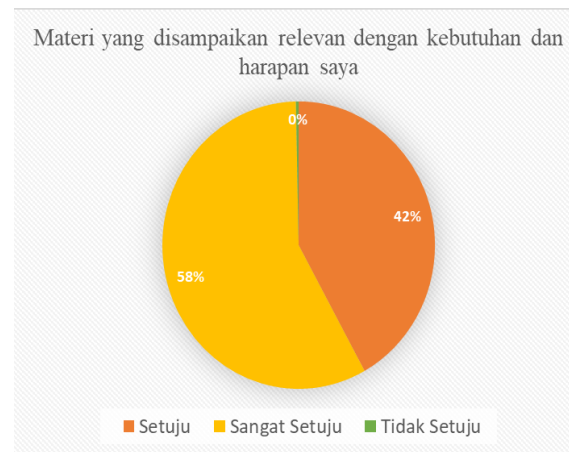


Figure 11 Evaluation 2

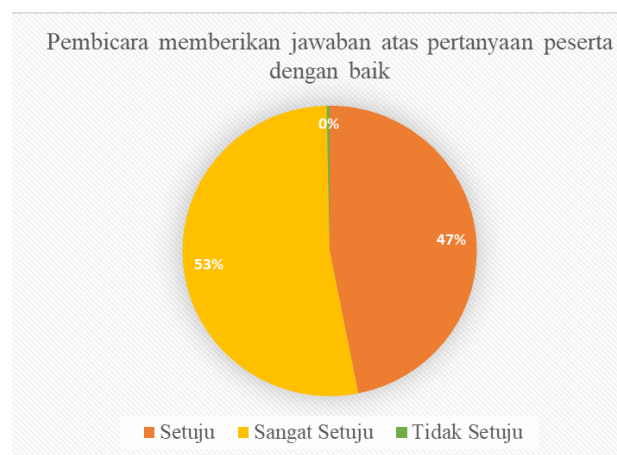


Figure 12 Evaluation 3

## DISCUSSION

The activities that lasted for approximately eight months included the proposal submission stage, the preparation stage, and the implementation stage until the formation of the PPM report output. The preparation stage took approximately 3 months, starting with mapping the problem, making proposals, conducting surveys, communicating with partners, and preparing the implementation site. The implementation stage lasted for one day, starting with the opening of the event, the presentation of material, and ending with tests and questionnaires. The results of this activity can be reported as follows:

1. Attended by two lecturers from the Faculty of Economics, State University of Jakarta as speakers, three deans from partner universities, the Coordinator of the Bachelor of Accounting Education

- Study Program, lecturer from the Faculty of Economics, State University of Jakarta as the event committee, and student participants from within the campus and partner campuses.
2. This activity was held on Friday, May 5, 2023, online through Zoom Cloud Meetings and was opened by remarks from four university representative deans, namely the Dean of FE at Jakarta State University, the Dean of FEB at Nahdlatul Ulama University Indonesia, the Dean of FEB at Muhammadiyah University Palopo, and the Dean of FE at Al-Azhar University Mataram. After that, it continued with the presentation of material by the speakers.
  3. The training participants showed their enthusiasm for participating in this event, as seen by their liveliness in asking questions and applying the software to be applied later.
  4. For evaluation purposes, participants were interviewed in the form of a questionnaire. The interviews revealed that the event was very interesting and should be continued in the future. The drawback we faced was that some features in Quillbot require a subscription.

## CONCLUSION

After completing this activity, we can draw the following conclusions:

1. Participants were given references to many reputable article sites such as Google Scholar, Garuda Kemendikbud, DOAJ, ERIC (Education Resources Information Center), and Science Direct to facilitate participants in finding references to articles indexed nationally and internationally.
2. With Quillbot software, paraphrasing activities carried out by Partner Students to support the process of writing scientific papers become more accessible, efficient, and faster.
3. The Partner Students and on-campus students who participated in the Basic Skills Training for Scientific Writing (Research Bootcamp) have basic skills that can be applied and developed in making their scientific papers.

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