



TRAINING FOR THE PREPARATION OF SCIENTIFIC ARTICLES FOR LECTURERS AND STUDENTS AT HIGHER EDUCATION IN BANTEN

Sri Mulyono¹, Sumarsid^{2*}, Muhsin³, Ratih Kusumastuti⁴, Wahyu Wiguna⁵, Ahmad Mukhlis⁶

¹Institut Daarul Qur'an Jakarta, Indonesia

²Sekolah Tinggi Manajemen LABORA, Indonesia

³Universitas Tanjungpura, Indonesia

⁴Universitas Jambi, Indonesia

^{5,6}Universitas Bina Bangsa, Indonesia

Email: marsiddpk05@gmail.com²

Abstract

Scientific article writing training is very important in improving the skills of students and lecturers in compiling good and correct scientific articles. With this training, it is hoped that students and lecturers can acquire the knowledge and skills needed to face challenges in the academic world, and can gain recognition for the scientific work they produce through publication in accredited national journals and reputable international journals. The purpose of this training is to increase the understanding of students and lecturers in writing good and correct scientific articles and it is hoped that participants will gain knowledge and skills in compiling scientific articles in accordance with standards set by accredited national journals and reputable international journals.

The method used in scientific article writing training through zoom meetings with a combination of lecture and practice methods is a very appropriate method. With this method, participants can follow the training material more easily and can immediately practice writing good and correct scientific articles. The participants who took part in the training were approximately 100 people, a large enough number of participants for a scientific article writing training. The results of the service activities carried out were very satisfying, with increased partner knowledge in terms of writing scientific articles. This training can also help students to realize the importance of scientific publications in the context of disseminating knowledge. With scientific publications, students and lecturers can make a real contribution to the academic world and can help improve the quality of education in Indonesia.

Keywords: Training, Scientific Articles, Publications

INTRODUCTION

Scientific articles have the goal of publishing research results or thoughts that are of high quality and academically justifiable. Scientific articles also serve to disseminate new knowledge and update existing knowledge in certain fields of knowledge. In writing scientific articles, there are writing procedures that must be followed. In addition, scientific articles must also be written in clear, straightforward language, and in accordance with agreed scientific guidelines or conventions.

The sources of materials used in writing scientific articles must be sourced from materials that can be trusted and are relevant to the topic to be discussed. Research results reports, collections of papers, books and textbooks/teaching materials, as well as reports on project development activities can be sources of materials used in writing scientific articles. In today's digital era, publication of scientific articles can also be done online through accredited scientific journals or other online platforms that are recognized as scientific publications. In this case, the author must ensure that the journal or online platform is accredited and has a good reputation in the academic world.

A scientific article is a text compiled from a research report and published or published in a journal. In addition, scientific articles can also be raised from the results of thinking and literature review, or the results of project development (Slameto, 2016). The purpose of writing scientific articles is to publish high-quality and academically justifiable research results or thoughts and to disseminate new knowledge and update existing knowledge in a particular field of knowledge. Arta, (2019) said that scientific articles are a form of Scientific Writing (KTI). In addition to scientific articles, KTI can also be in the form of theses, theses, dissertations, papers, or research reports. KTI is a written report on the results of scientific activities, which include research, development, community service, or thoughts in a particular field of science. KTI is written using standard language, in accordance with applicable grammar and spelling rules, and must meet scientific and ethical criteria for good and correct writing. Writing is an activity carried out by someone to express ideas and/or thoughts in written form. Writing can be done in various forms, such as articles, essays, short stories, novels, or scientific works. In addition, Bahri et al., (2011) explained that writing can also be a means of acquiring new knowledge and improving critical and analytical thinking skills. In the academic world, writing is also a very important activity, both for completing college assignments, making research reports, and publishing research results in scientific journals.

Currently, many tertiary institutions require students to write scientific articles as one of the requirements for completing their studies. In addition, higher education institutions also pay great attention to increasing student competency in writing scientific articles, either through scientific writing courses, writing workshops, or joint research activities with lecturers. This is done to produce graduates who have the ability to write good scientific articles and are able to publish research results in leading scientific journals, as well as to improve the quality and quantity of research conducted by these universities.

Scientific journals have strict procedures for selecting and selecting articles to be published. This process includes a peer-review process, namely the process of evaluating articles by experts or experts in the same field as the topic of the article. Scientific journals usually have several categories such as national journals and international journals. National journals can also be accredited or not accredited. Accredited journals have a higher level of credibility and quality because they have gone through a rigorous evaluation and assessment process by the scientific journal accreditation body. Therefore, the publication of scientific articles in accredited journals can improve the image and reputation of the authors, and can make a greater contribution to the development of science. However, to be able to publish articles in accredited journals, the requirements and standards that must be met by these articles are also higher.

Publishing scientific articles can make a positive contribution in advancing science and technology and contributing to national development. Therefore, the role of higher education institutions in forming a conducive academic climate and supporting the publication of scientific articles is very important in creating superior and highly competitive human resources at the global level. Publication

of scientific articles is also a way for writers to gain recognition from experts and academics in their fields, and can be a reference material or reference for other researchers who wish to develop similar research (Dharmawan, 2015). Therefore, it is important for authors to ensure that scientific articles written meet established academic standards, such as clear research methods, accurate data analysis, and logical conclusions.

Indeed, many students and lecturers have difficulty expressing their ideas or ideas to the mass media because they are trained to write in scientific language at universities. In addition, several other factors that can cause these weaknesses include lack of regular writing practice, ignorance in recognizing the audience and purpose of writing, and lack of mastery of the language used. Therefore, regular writing exercises and various strategies are needed to help students improve their writing skills in general, not only in the context of scientific work.

The problems described by Musaljon et al. (2019) is indeed often encountered in writing scientific articles. In addition, there are many other problems that are often faced by writers of scientific articles, such as lack of clarity on research hypotheses, lack of detail in presenting research results, inaccuracy in preparing theoretical frameworks, and so on. Therefore, before writing a scientific article, the writer should pay attention to the writing guidelines and carefully plan the structure and content of the article to be made. Scientific article writing training can help students and lecturers to improve their ability to write scientific articles (Novitasari, 2019). With this feedback, students can improve the weaknesses in writing their scientific articles.

The main objectives of community service for students and lecturers in making articles worthy of publication are:

1. Increase the awareness and ability of students and lecturers in complying with the procedures for writing scientific articles that are good and correct according to applicable guidelines.
2. Producing quality scientific articles that are suitable for publication in national and international scientific journals.
3. Improving the image and reputation of universities in Banten in the academic and scientific world through the publication of quality scientific articles that contribute to the development of science.

The training approach is an approach that can help participants to be more actively involved in the learning process. In Community Service activities which are packaged using a workshop approach, participants will be invited to be involved in lecture, discussion, and exercise methods. The lecture method is used to provide a basic understanding of writing scientific articles, discussion is used to deepen participants' understanding and clarify unclear concepts, and exercises are used to provide direct experience in writing scientific articles. Thus, participants are expected to be more active in learning and understanding the material presented, so that they can improve their ability to write scientific articles.

METHOD

The community development method is a community service method that focuses on the active participation of the community in the development process. In the context of scientific article preparation training, this method can provide opportunities for participants to be actively involved in the learning process and improve their writing skills through practical exercises. In combination with theoretical concepts, participants can understand the basics of writing scientific articles and practice directly in workshop activities. This is expected to increase the motivation of participants in learning and develop their writing skills. A previous study by Jasmine & Weiner (2007) also showed that the use of the workshop method can make a positive contribution to improving participants' writing skills.

The lecture and discussion method is a suitable method for use in scientific article writing training because it can provide a systematic and structured explanation through lectures, while discussions can provide opportunities to interact and clarify participants' understanding of the material that has been presented. In addition, the use of Zoom Meeting media also allows participants to remain involved even if they do not meet face to face (Arta, 2019).

With a target of 100 participants consisting of students and lecturers at tertiary institutions in Banten, scientific article writing training can provide significant benefits in improving the ability to write scientific papers for participants. Hopefully this training can run well and give positive results. This scientific article writing training will be held on January 17, 2023 at 09:00-12:00 WIB.

Activity Plan



Registrasi Pelatihan Penyusunan Artikel
Pendataan Peserta Pelatihan

Nama Peserta:
Short-answer tex

Perguruan Tinggi:
Long-answer tex

Figure 1 Display of the Participant Registration Form on Google Form

This previous preparation will make it easier for participants to take part in the training and be more focused on developing scientific article writing. In addition, by preparing research reports that have already been made, participants will be able to practice directly applying the material provided in the training. It is hoped that with this previous preparation, participants can be more active and participate optimally in the scientific article writing training.

The initial session of writing this scientific article, starting with making an abstract, making an abstract in a scientific article is indeed important because an abstract is a brief summary of the entire contents of a scientific article. Abstracts must be able to provide an overview of the research problem, research objectives, research methods, research subjects, research design, research results, and

conclusions from the research that has been done. Therefore, in the initial session of writing this scientific article, it is important to pay attention to how to make a good and correct abstract so that the contents of the scientific article can be easily understood by readers.

The second session, writing an introduction to a scientific article is important to provide an overview of the background of the problem that is the focus of the research. The second session of this introductory writing aims to clarify the background of the problem that each student and lecturer wants to examine in classroom action research. In this session, the training participants will be given an understanding of how to formulate a clear and specific problem background, and how to relate it to the classroom action research they are currently conducting.

The third session on research methods is important for explaining to readers how research is carried out, while the fourth session on results and discussion is the most crucial part in a scientific article because it contains information about the findings and analysis of the research conducted.

The last session regarding the bibliography, the bibliography in a scientific article must be made systematically and regularly, only listing the sources used or referred to in the article. The learning process is not only limited to students, but also to lecturers and anyone who wants to develop their knowledge and skills. Training and courses like this are very important in helping to improve the quality and competence of students and lecturers in the field of writing scientific articles. Therefore, the speaker is very appropriate in giving clear directions on how to write a bibliography that is correct and in accordance with applicable standards. By studying seriously and applying the knowledge gained, it is hoped that students and lecturers will be able to produce quality scientific articles that are useful for the development of science.

These sessions look very structured and provide clear guidelines for students and lecturers to develop their scientific articles. This is very important to improve writing skills and produce quality scientific articles. By participating in this training, it is hoped that students and lecturers will be more prepared and confident in writing scientific articles and be able to produce articles that can be published nationally and internationally.

It is hoped that with this training, students and lecturers can better understand and master the technique of writing good and correct scientific articles, so that they can gain recognition and publication in related journals.

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Research gaps or research gaps are things that have not been touched or have not been studied in previous studies, which then become the basis for conducting new research. An example of a research gap could be a topic that is currently hot and widely discussed in the mass media, but has not been widely studied in existing scientific research. For example, the influence of social media on consumer behavior in the online fashion industry in Indonesia. This could be a research gap because of the large number of social media users and the growth of the online fashion industry in Indonesia, but not many studies have studied the influence of social media on consumer behavior in the online fashion industry in Indonesia.

Research gaps can be found through an in-depth literature review of previous studies related to the topic to be studied. After that, the researcher can identify areas or aspects that have not been sufficiently explained or have not been well researched. This can then be conveyed clearly in the research background. With a clear research gap, the research carried out will have added value and a significant contribution to the development of science. It was very positive to see that the workshop participants benefited and increased their understanding of writing scientific articles. Of course, this kind of training and workshops can help students develop their writing skills and improve the quality of their scientific publications in the future.



Figure 2 Community Service Team for Scientific Article Writing Training

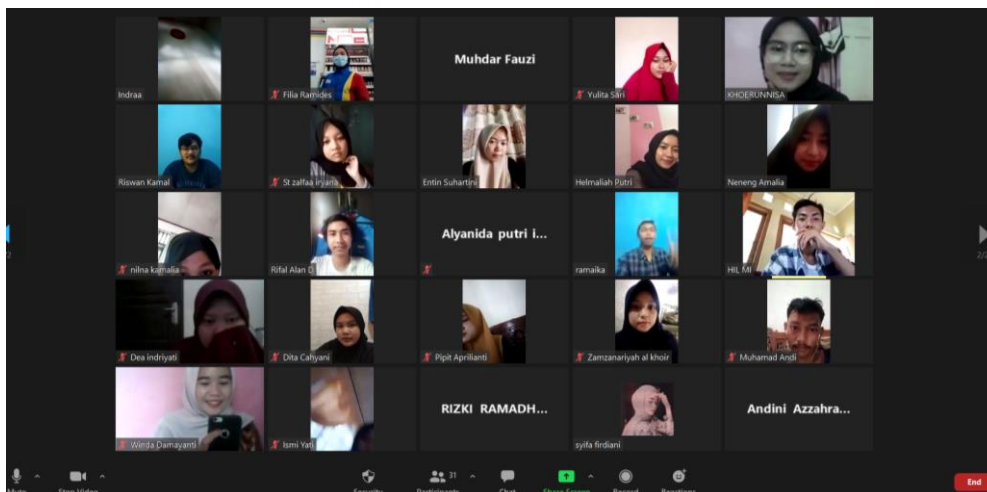


Figure 3 Process of Scientific Article Writing Training Activities

Solutions from the Implementation of Community Service Activities

As a solution, lecturers and community service teams can hold training or workshops that focus on using blended learning with Google Classroom or Zoom meetings. This workshop can help increase student and lecturer understanding of the use of technology in learning, and also provide concrete examples of how this technology can be used effectively in learning (Aisyah, 2014). In addition, lecturers and community service teams can assist students and lecturers in identifying existing problems in class and providing appropriate solutions. Thus, students and lecturers can improve their ability to find solutions to existing problems. In addition, lecturers and community service teams can also provide training on writing scientific articles that are appropriate and in accordance with academic standards, so that students and lecturers can improve their ability to write good and quality scientific articles.

Of course the results of this training activity will be very useful for students and lecturers to improve the quality of writing their scientific articles. With the increased ability to write scientific articles, it is hoped that it will encourage an increase in the number of publications in accredited national journals. In addition, with good publication skills, students and lecturers are expected to be able to expand their network of collaboration with researchers from outside universities and produce works that are beneficial to society at large.

Supporting and inhibiting factors for Community Service Activities

In general, this training event ran smoothly and was successful. Support from partners, namely the publisher Journal of Education and Social Center (ESC), is also very important to facilitate and develop the publication of scientific articles that are maximized and reviewed. That way, this kind of training activity can continue in the future and provide even greater benefits for students and lecturers at tertiary institutions in Banten.

Regarding these inhibiting factors, efforts may be needed to increase understanding of the benefits of writing scientific articles and increase motivation to write. This can be done by providing clearer information about the benefits of writing scientific articles, such as improving academic and professional abilities, contributing to increasing knowledge, and increasing opportunities to get recognition and awards.

CONCLUSION

This community service activity is an effective scientific article writing training activity for solving problems faced by students and lecturers in writing scientific articles. This training provides the knowledge and skills needed to publish scientific articles in the right journals. It is hoped that the results of this service activity can provide benefits for students and lecturers and contribute to the development of science and technology in tertiary institutions.

The purpose of this activity is scientific article writing training activities. It is hoped that students and lecturers at tertiary institutions in Banten can improve their skills in writing and publishing scientific articles, both in national and international journals. It is also hoped that this will improve the quality and quantity of scientific publications from these universities, as well as provide benefits for the public and journal readers who access the research results.

ACKNOWLEDGMENTS

Hopefully this community service activity can continue and provide positive benefits for the community and universities in Banten. Thanks also to the sponsors who have supported this activity so that it can be carried out properly.

Feedback from training participants is very important to improve the quality of community service activities in the future. By listening to input from participants, deficiencies and improvements can be identified to make community service activities more effective and efficient. In this case, the participants provided input for the continuation of a similar program in the Banten area, which shows that these community service activities are still needed by educators in the area. In addition, participants also asked for additional time for more intensive guidance, which could help improve participants' understanding and skills in writing scientific articles.

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