



SCIENTIFIC ARTICLE WRITING TRAINING PROGRAM FOR PROSPECTIVE ELEMENTARY SCHOOL TEACHERS

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Abstract

Because of the numerous issues that arise in the language learning process in the classroom and the lack of interest among prospective teachers in conducting classroom action research, this task is complete. And, the teacher still does not understand the concept and is skilled at writing good scientific articles. This activity aims to provide understanding to teachers, make teachers proficient in writing proposals, and increase the motivation of teachers to conduct classroom action research. The location of the activity is Bhayangkara University, Greater Jakarta. The number of participants is 100 people. The model used is mentoring or counseling on basic concepts and training in proposal writing and analyzed with a qualitative descriptive approach. The activity method is a presentation in which prospective elementary school teachers compile scientific articles and present them to the other participants. The observations showed positive things. Namely, the teachers were enthusiastic in participating in the activities and their desire to practice them in learning activities. In addition, participants can produce sample proposals. The participants are looking forward to follow-up activities.

Keywords: Scientific Article, Writing Training, Elementary School, Prospective Teacher

INTRODUCTION

Scientific articles are defined as the process of delivering research results designed to accelerate the creation of quality education and learning in the classroom (Darmalaksana, 2021). The problems that arise during learning at the school are the reasons for conducting research. Observations and evaluations in ongoing learning and teaching activities are used for self-reflection. In the end, the hope for improving the quality of education and teaching in the classroom is achieved.

Community service activities are part of one pillar of the Tri Dharma, which takes place at universities and in education and research. Community service is carried out by applying and implementing technology, science, and culture directly to the community formally to build community capabilities. In the end, it is expected to accelerate the achievement of educational goals. Therefore, the focus of this community service activity is to increase the ability or professionalism of teachers/educators in the field of research, namely through writing scientific articles by students.

The background of this service activity is the many problems that arise in the language learning process in the classroom and the low interest of teachers in conducting research and publications. In addition, prospective elementary school teachers still do not understand how to publish research results in their entirety and how to write excellent and well-planned research proposals. The information is from an interview with a lecturer who teaches educational research at Bhayangkara University, Greater Jakarta. Scientific articles are defined as activities and efforts in disseminating research carried out and sought by researchers in the community to benefit from the results obtained. They are expected to become elementary school teachers who have good character (Septinaningrum, 2019).

Writing scientific articles can be an activity for teachers in accelerating the process and learning outcomes comprehensively. In addition, classroom action research can be used as an activity for teachers to become more professional in teaching. According to Pribadi (2015), writing scientific articles makes teachers more caring and applicable to the learning process in the classroom. Professionals and teachers can improve the learning process through an in-depth assessment of what is happening in the school. Law No. 14 of 2005 concerning Teachers and Lecturers states that a teacher must have educational, personality, social, and professional competencies. The definition of competence obtained consists of several things regarding the process of knowledge, abilities, and behavior that must be realized, applied, mastered, and practiced by prospective teachers in carrying out their duties. One of the professional forms of future teachers is implementing research, one of which is publishing the results. As a result, the Scientific Article Writing Program for Prospective Elementary School Teachers is one of the initiatives to increase prospective teachers' interest in conducting research and publishing research findings to improve the quality of future teachers and the quality of learning in elementary schools (Afifah, 2019). The purpose of this activity is to enhance the skills of aspiring elementary school teachers at Bhayangkara University in Greater Jakarta so that they can be more creative and motivated when creating learning processes and improve their ability to publish with quality.

METHOD AND PROCEDURES

Partners aimed at implementing community service activities are prospective elementary school teachers. The intended target is elementary school teacher education students at Bhayangkara University, Greater Jakarta. However, following the developments and needs of the chief executive and the team, he expanded the benefits of the community service program to elementary school teachers considering the activities were very useful. We choose the target of primary school teachers or students of the Primary School Teacher Education Study Program. Students are agents of reform that must be developed through increasing competence through education and teaching. The teaching and learning process in applying science, technology, and skills is carried out for activities to improve the quality of students, whose function is to produce outputs and outcomes that are beneficial to education. One of the competencies that students must possess is conveying scientific information related to various thoughts and valuable research (Ismail, 2018).

Scientific articles are one of the most valuable outcomes. This study is in streak with Dikti's (2012) directive, which normalizes completion in each degree of education level. The first strata must produce scientific works that can disseminate in scientific publications. Thus, writing scientific papers is an absolute requirement for students who will graduate from college (MF. Arrozi Adhikara, Darmansyah, 2014) and implement the tri dharma of higher education. Scientific article writing training is carried out using an online method using Google Classroom, Zoom Meeting, and Google Meet media.

The training implementation process is designed according to the development of information technology to make it easier for participants to receive and access the material. Critical thinking skills are also part of the training. This case can prepare students to face global challenges (Anggraeni, 2021).

RESULTS

First Stage: Implementation

Article Writing Training Materials to publish scientific articles for prospective elementary school teachers, Bhayangkara University, Greater Jakarta, are held in 32 hours of virtual face-to-face meetings using zoom meetings and Google classrooms with synchronous and asynchronous media models. The training team will provide the material with refers to a predetermined schedule of materials, namely: introduction to writing scientific articles, determining state of the art, determining methodology, data collection methods, systematic writing of scientific papers, literature review, ethics of writing scientific papers, steps for publishing scientific articles. Ethics in the essay is also given to equip prospective school teachers with good character values (Opik, 2019).



PELATIHAN PENULISAN ARTIKEL ILMIAH BAGI GURU SEKOLAH DASAR
 PENDIDIKAN GURU SEKOLAH DASAR
 FAKULTAS ILMU PENDIDIKAN
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NO	MATERI	JP
1	Pengantar Penulisan Artikel Ilmiah	4
2	Menentukan State of the Art	4
3	Menentukan Metodologi	4
4	Metode Pengumpulan Data	4
5	Sistematika Penulisan Artikel Ilmiah	4
6	Tinjauan Pustaka/Kajian Teori	4
7	Etika Penulisan Artikel Ilmiah	4
8	Langkah Publikasi Artikel Ilmiah	4
	TOTAL	32

Figure 1. Scientific Article Writing

This scientific article writing training activity is intended to help prospective elementary school teachers to be able to produce scientific papers as their graduation requirements and be able to present the results of their thesis research and draft scientific articles in the form of research reports and articles in scientific journals. The process of writing down ideas and ideas in the form of words becomes the basis for participants in carrying out thinking activities as a whole (Syaodih, 2019). The following are the details of the implementation of scientific article writing mentoring activities and being able to compose scientific publication articles for students of the Primary School Teacher Education Study Program, Bhayangkara University, Greater Jakarta



Figure 2 Training Design

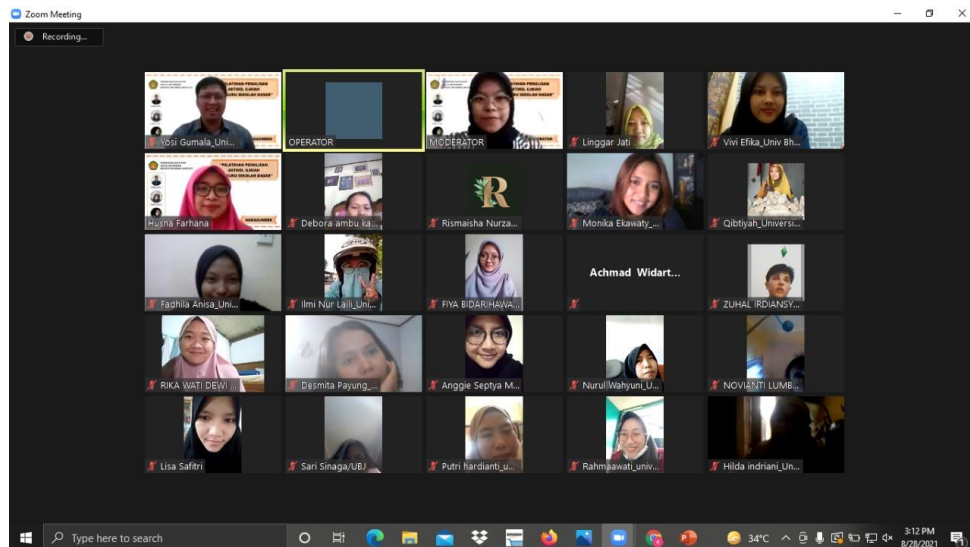


Figure 3. Training Process

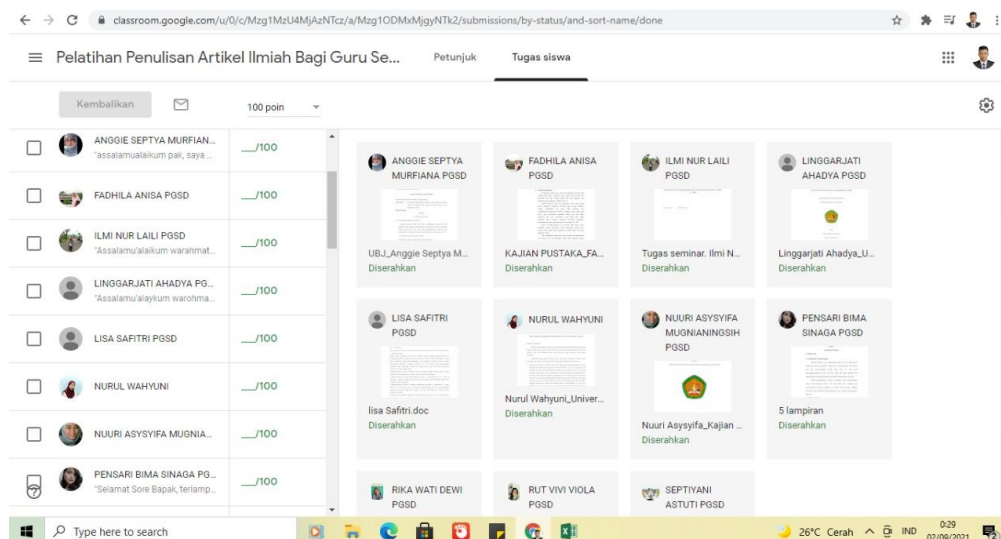


Figure 4. Evaluation Process

In general, the community service activities listed are result-giving. Each participant and member of the implementation team will receive a certificate. then the target output/output of the Community Service program includes:

1. Provide understanding to prospective elementary school teachers about the concept of writing scientific articles
2. Make teachers skilled in writing scientific papers.
3. Increase the motivation of future teachers to conduct and develop scientific research and reports.

This PPM will use the presentation method of activity because prospective teachers will create scientific articles after receiving counseling on the concept of scientific articles and training on how to write well-implemented, programmed, and planned articles. The process of using digital media is expected to help facilitate participants in understanding all the material provided (Suherman, 2021).

Second Stage: Creating Training Materials

Based on the literature study, the material on scientific articles is made in the module regarding the meaning, understanding, and application in Scientific Article activities, especially during the covid-19 pandemic. Scientific article writing materials adapted to the development of teachers and 21st-century competencies will make it easier to adjust to the times (Ningsih, 2019). The material is written in pdf format and presented using google classroom, the process of making material always uses the principles of ease and affordability in reading. Nurkaeti (2019) A good reading process can improve student achievement in learning. Problem-solving ability is also a reference for the team in designing appropriate modules so that thinking skills are expected to increase. This learning is essential,

considering that thinking skills are the main foundation in developing 21st-century learning (Gumala, 2019).

Third Stage: Presenting the Training

This training is carried out using lecture, discussion, and simulation methods. Training is a short-term educational process that uses systematic and organized procedures to learn technical knowledge and skills for limited purposes (Irawati., 2018). This training is conducted for prospective elementary school teachers at Bhayangkara University, Greater Jakarta. Presentation of material is used efficiently in this training, and participants are expected to use existing information technology to accommodate learning needs. This study is corroborated by Wibowo (2021) that the use of appropriate information technology can improve the ability of teachers to face the progress of the times and compete globally. The interaction through digital media is expected to facilitate the reach of the information correctly, considering the intended target is prospective elementary school teachers who are internalizing the use of technology.

CONCLUSION

The scientific article writing program helps develop the critical thinking skills of prospective elementary school teachers. Through article writing activities, elementary school teacher education students can understand scientific articles in their entirety. The suggestion from this training is to continue developing the process of writing articles that follow the latest research and the use of media in delivering material tailored to the topic and design of the training.

ACKNOWLEDGMENTS

Thank you to LPPMP Bhayangkara University, Jakarta Raya, for providing total funding for community service projects. Thank you to the Bhayangkara Jakarta Raya University Primary School Teacher Education Study Program, who have helped achieve the activity process.

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