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Scientific Literacy: Sports Scientific Article Writing Training as an Effort to Increase Teachers' Professional Competence in Probolinggo Regency

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Abstract

Developing teacher professionalism is an important concern for the government as an education provider. Teachers have an important task and role, not only to provide scientific and technological information, but also to form attitudes and souls that are able to survive in the era of global competition among their students. Efforts to increase teacher professionalism are carried out through teacher certification programs, providing education and training for teachers, forming Focus Group Discussions in Teacher Working Groups and Subject Teacher Deliberations as well as always being productive in producing work in the field of education. One of the important self-development activities for teachers to participate in is related to writing scientific papers as a condition for employee promotion. The aim of this Community Service activity is to provide scientific literacy related to article writing as an effort to increase the professional competence of teachers in Probolinggo Regency. The methods used in this activity are workshops, offline and online training and assistance in completing tasks. Evaluation of the implementation of Community Service activity is based on filling out questionnaires by participants with an average score of 4.46 on a scale of 0-5. The result of this training is an increase in participants' knowledge of writing sports scientific articles.

Keywords: *training, articles, professional competencies, physical education teachers*

INTRODUCTION

Teachers are professional educators who have several tasks to educate, teach, guide, direct, train, assess and evaluate students. Teachers have a high role and responsibility for the quality of education. In order to support the role and function of teachers, the government sets standards for teacher qualifications and competencies, namely pedagogical, personal, social and professional competencies [1]. Currently, teachers are required to be more professional, more reliable and more competent as educators because students are the spearhead of the nation's next generation, including carrying out the task of leadership and progress of a nation [2].

The development of teacher professionalism is an important thing that needs to be considered because teachers have a duty and role not only to provide information and science & technology, but also to shape the attitudes and souls of students to be able to survive in the era of global competition. Teachers help students to be able to adapt to various life challenges within themselves. This student empowerment includes personal aspects, especially intellectual, social, emotional and skills aspects. This task is difficult because not only do teachers have to prepare the younger generation to enter the 21st century, but they also have to prepare themselves to continue to exist, both as individuals and as professionals who are always willing to learn and develop themselves continuously. Efforts to increase professionalism are a joint responsibility of the government, the community, schools and teachers concerned and universities.

Efforts to increase teacher professionalism are carried out through teacher certification programs, providing education and training for teachers, forming focus group discussions in teacher working groups and subject teacher deliberations, as well as always being productive in producing work in the field of education. Education and training programs are one technique that aims to increase teacher insight or knowledge that is up-to-date. Education and training activities need to be carried out by teachers, followed by follow-up efforts to implement the results of training in schools. Teacher

working groups and subject teacher deliberations are a forum for teachers to collaborate and a place to discuss issues related to professional abilities, namely in terms of planning, implementing, and assessing learning progress. Meanwhile, productivity in educational work can be increased by writing published scientific papers. Next, the certification program is a competency development program initiated by the government and held at universities that meet the requirements. The certification program includes a fit and proper test of a person against the established criteria for an ideal professional teacher. This certification program is able to foster teacher enthusiasm to improve the quality of knowledge and professionalism in the world of education regarding learning and evaluation. One effort to develop professional competence is that teachers need to be involved in various self-development activities. Important self-development activities to participate in are related to writing scientific papers. Writing scientific papers is very necessary because it helps teachers improve professional competence, which can have an impact on career advancement and increased knowledge [3]. As one of the mandatory requirements for promotion to rank and grade, the skill of writing and publishing scientific articles is an urgent need for teachers, especially for teachers who want to apply for promotion to rank and grade but are hampered by publication [4]. One of the problems in developing teacher professionalism so far is related to the issue of writing and publishing scientific papers through scientific journals [5]. The main problem is that many teachers experience delays in processing promotions to functional positions due to teachers' low ability to write and publish scientific papers [6]. Teachers' difficulties in writing articles to be published in national or international journals are caused by low motivation, busy routines, and the difficulty of finding a place to publish the articles in journals [7].

A scientific work is a complete idea, which can be very complicated or simple, that the author considers important to express or convey to other people. The existence of scientific work has a function and meaning in the context of its relationship to the process of developing science, so it can be said that its meaning is very strategic and important, especially in the context of disseminating scientific information based on knowledge or new ideas or findings that exist around us.

METHODS

This Community Service activity provides guided training and facilitates assistance in writing articles for participants. The steps that will be implemented in this Community Service activity are as follows:

1) Preparatory stage

The preparation stage includes several activities, which are presented in the following table:

Table 1. Preparatory Stage Activities

Activities	Description
Collaboration	Conduct visits to partners to carry out collaboration.
Needs study	Carry out data collection on teacher resources and Subject Teacher Deliberations management.
Activity planning	Coordinating with the Community Service team in designing activities to implement the solutions that have been offered.
Equating perceptions	Coordinating with the Community Service team to equalize perceptions
Revision	Revision or improvement of the solution is carried out according to the results of discussions by Community Service team members.
Scheduling	The implementation of Community Service is scheduled by adjusting the schedule of the department.

2) Implementation

The implementation phase includes several activities, which are presented in the following table:

Table 2. Implementation Activities

Activities	Description
Coordination	The Community Service implementation team coordinated with the committee and Subject Teacher Deliberations Probolinggo Regency before going directly to the participants.
Discussion	Delivery of conceptual material to participants
Training	Training will be carried out for participants using the demonstration method.
Accompaniment	Assistance in writing articles is provided offline and online.

3) Evaluation stage

The evaluation stage includes several activities, which are presented in the following table:

Table 3. Evaluation Activities

Activities	Description
External evaluation	A questionnaire will be given to the training participants on the quality of implementation of this program.
Internal evaluation	Team coordination to carry out internal evaluations of Community Service team members

RESULTS AND DISCUSSION

The Community Service activity, which was carried out at Junior High School 1 Bantaran Probolinggo on Tuesday, June 11, 2024, was attended by 80 physical education teachers who are members of the teacher working groups and subject teacher deliberations on physical education in Probolinggo Regency. The Community Service team collaborates with the Community Service organizing committee, which consists of teacher representatives, to carry out activities that have previously been planned together so that the sequence of events can run smoothly. The following is a series of activities:

1) Opening Activities

The Community Service opening activity was attended by the Principal of Junior High School 1 Bantaran Probolinggo, Khuzairi, S.Pd., MM, Subject Teacher Deliberations physical education Trustee Vistandiyo Tri Aquarianto, M.Pd., participant members of the Subject Teacher Deliberations and in Teacher Working Groups physical education Probolinggo Regency, as well as the Community Service team from the Sports Education Masters, Doctoral Study Program Faculty of Sport Science and Health Unesa, namely Dr. Heryanto Nur Muhammad, S.Pd., M.Pd., Dr. Nur Ahmad Arief, S.Pd., M.Pd., and Sri Wicahyani, S.Pd., M.Pd., ran smoothly. The opening activity began with participant registration and continued with the singing of the Indonesia Raya song and speeches, and was then officially opened by Subject Teacher Deliberations Physical Education Vistandiyo Tri Aquarianto, M.Pd.

2) Exposure and Discussion Activities

The presentation activity began with material on article components and article writing strategies and continued with material on publication steps after the coffee break. In each material, participants were given the opportunity to ask questions directly regarding things they wanted to know more about. In this session, ideas emerged from the participants and a willingness to write articles related to physical education learning.



Figure 1. Presentation of Material

3) Closing Activities

At the closing activity, Community Service participants were asked to fill in a link to find out participants' responses to the implementation of the activity from several points of view.



Figure 2. Process for Filling in the Community Service Implementation Evaluation Link

The data collected regarding the evaluation of Community Service implementation is shown in the following figure:

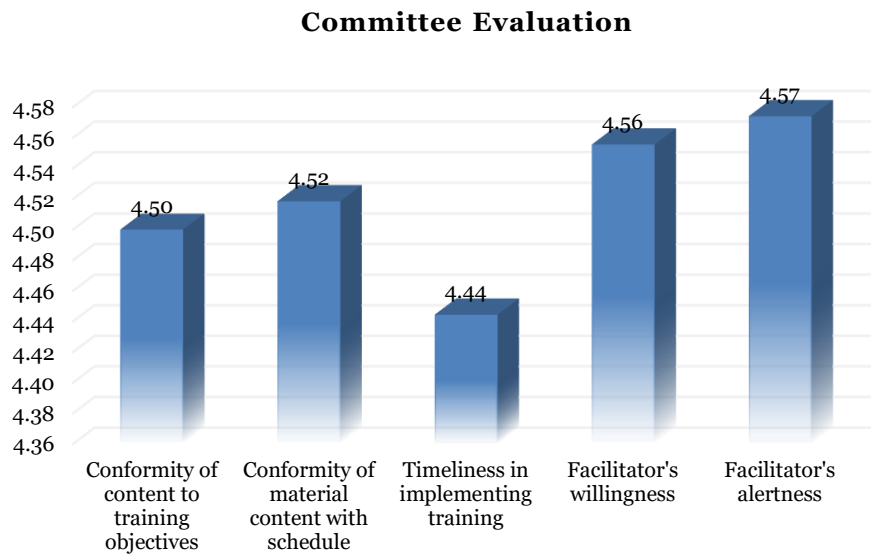


Figure 3. Result Committee Evaluation

The results of the implementation evaluation on the implementing committee indicators were 5 statements assessed by participants with an average assessment score of 4.52 on a 0–5 scale.

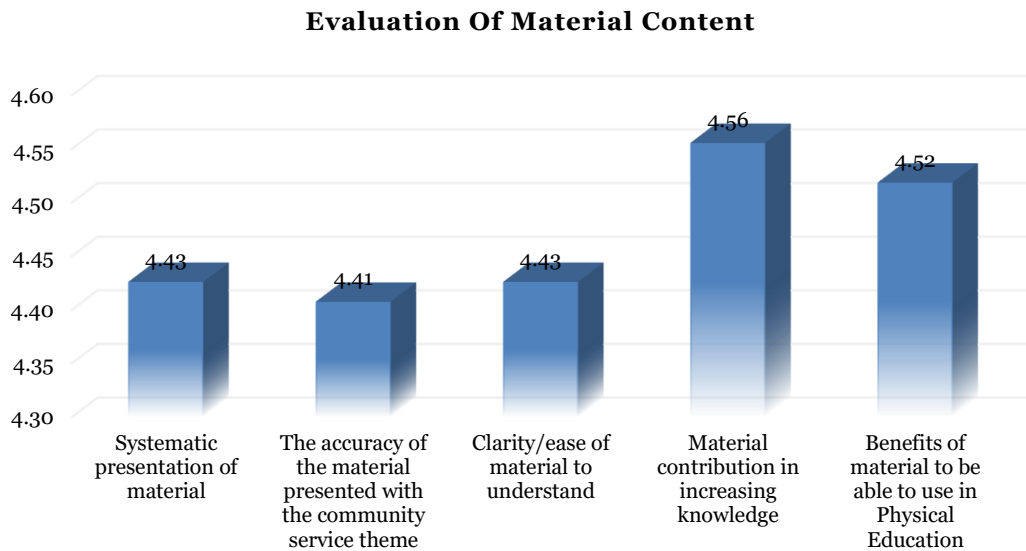


Figure 4. Result Evaluation of Material Content

The results of the implementation evaluation on the Community Service material content indicators were five statements assessed by participants with an average assessment score of 4.47 on a 0–5 assessment scale.

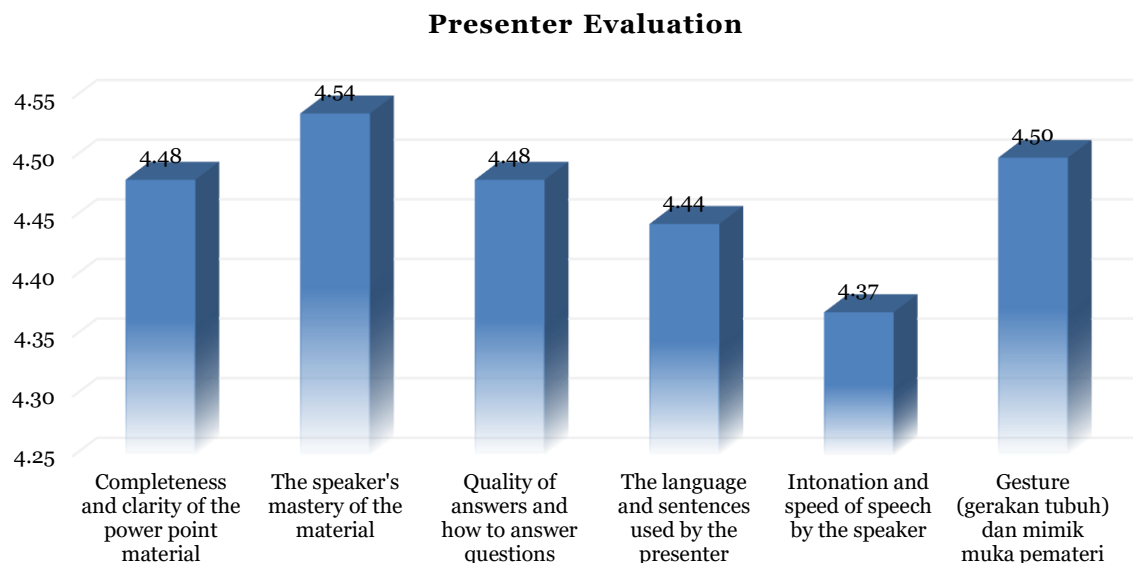


Figure 5. Result Presenter Evaluation

The results of the implementation evaluation on the speaker's indicators contained six statements, which were assessed by the participants with an average assessment score of 4.47 on a 0–5 assessment scale.

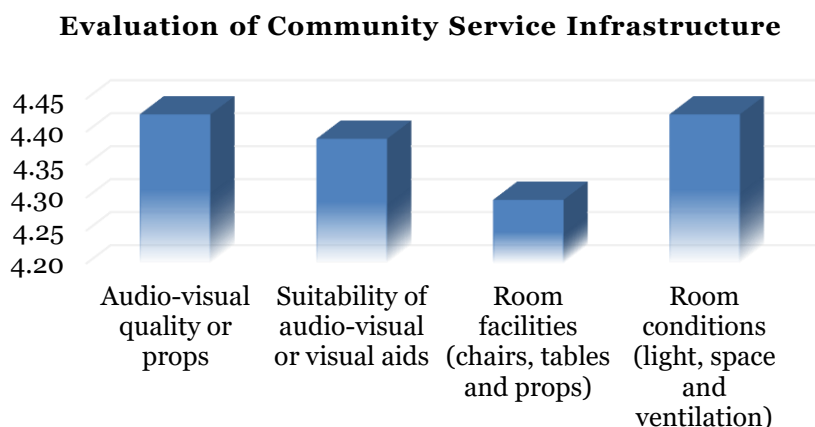


Figure 6. Result Evaluation Community Service Infrastructure

The results of the implementation evaluation on the Community Service infrastructure indicators contained four statements, which were assessed by participants with an average assessment score of 4.38 on a 0–5 scale.

As educators, teachers must be competent and professional in their academic field. One indicator of teacher professionalism is academic publication [8]. Writing for teachers seems to be the most difficult skill compared to other skills because it requires creativity, language awareness, and critical thinking [9]. Writing skills require a process that includes certain stages. Writing is a chain process where ideas are transformed into a particular design with preparation and formation by making various changes before the idea is shared with others [10]. With article writing training, it is hoped that teachers will be more productive in writing as an effort to increase the professionalism of each individual.

CONCLUSION

The entire series of Community Service activities by the Universitas Negeri Surabaya Postgraduate Sports Science Community Service Team, thanks to support and collaboration with partners, namely the Probolinggo Regency Education Office, has been carried out well. The Education Department delegated approximately 80 Physical Education teachers from public and private schools to take part in a series of Community Service activities held offline and online at Juniot High School 1 Bantaran Probolinggo. The Community Service activities carried out by the Community Service Team made participants more inspired to write articles, and there was an increase in participants' knowledge of writing sports scientific articles.

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