

Scientific Publication Article Writing Training for ASN Teachers at SMP N 4 Boyolali

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Abstract: The importance of continuous professional development is the development of teacher competencies, which is carried out according to needs, in stages, continuously to improve their professionalism, and one of them is by writing scientific publication articles. The scientific publication article itself is a condition for promotion or class in order to advance a teacher's career. However, the reality in the field is that teachers have difficulty writing scientific publication articles because teachers have not received in-depth assistance in writing articles, even though the government has provided some kind of coaching for teachers about writing articles. The service aims to help teachers understand the importance of writing scientific publication articles. The target in this community service was the teachers at SMP N 4 Boyolali, with 39 participants. The solutions offered are first, understanding the characteristics of the research process; second, practical training in writing scientific publication articles; and third, submitting articles through the Open Journal System. The implication of the results of this dedication, apart from holding a kind of follow-up workshop, is to conduct initial research on topics around the school.

Keywords: Articles; Teachers; Publications

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INTRODUCTION

One form of activity that teachers must carry out in developing their competence as teachers is scientific publications contained in Article 11 of the PAN & RB Ministerial Regulation No. 16 of 2009 concerning Functional Positions of Teachers. Scientific publications are scientific writings that have been published to the public. The professional development activities are: 1.) Making scientific papers/papers in education, 2.)

inventing technology in the field of education, 3.) making learning tools/visual aids or guidance tools, 4.) Creating scientific papers and following curriculum development activities (Depdiknas, 2001: 1). The scientific article publication sub-element includes continuous professional development. It can be interpreted that the teaching profession cannot be separated from research activities to produce scientific work or innovation in the form of publication of scientific articles.

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Scientific articles about teacher work are important in developing the teaching profession. Teachers must meet the requirements by writing scientific papers in the form of classroom action research or articles published in seminars or journals (Mawardi *et al.*, 2019). Teachers can conduct applied research and develop assessment materials in class, especially during the online learning process (Oktaviani *et al.*, 2021). Teachers can be rewarded professionally through these credit numbers to improve their welfare (Daryanto, 2013). If someone is proud of his teacher's title, he deserves to be a professional teacher (Kunandar, 2010).

However, on the other hand, the absence of a research function on the definition of a teacher in Law Number 14 of 2005 concerning Teachers and Lecturers means that teachers are not

accustomed to conducting research and publishing scientific articles in scientific journals. This can also be seen from the promotion requirements whereby the scientific article publication sub-element is not mandatory for the lowest rank. A promotion to the teacher rank from IIIA to IVA does not require publishing scientific articles in scientific journals as a sub-element. However, scientific article publication activities are mandatory for teacher promotion from IVA to IVB to the highest rank. On this basis, the teacher was moved in his heart to learn more about writing scientific publications. The purpose of this activity is to facilitate teachers to practice in depth in writing scientific publication articles. Analysis of problems and solutions is in Table 1.

Table 1 Analysis of Problems and Solutions

Problem	Solution	External
There is no assistance in writing scientific publication articles regularly, both in the research process, article writing, and submitting articles through OJS.	Facilitating teachers to go deeper into writing scientific publication articles through discussion forums in workshops	Submit articles via OJS.

METHOD

This community service activity was carried out on Thursday, January 5, 2023, from 07.00 to 15.00 WIB. The place of activity is the multipurpose room at SMPN 4 Boyolali, which is located at Jl. Merbabu No. 127, Surowedanan, Pulisen, Kec. Boyolali, Boyolali Regency, Central Java 57315. This room has a capacity of 100 people and has chairs and tables for participants, whiteboards, markers, an LCD projector, and a microphone.

The targets in this PKM are all teachers of SMPN 4 Boyolali. The total number of participants present was 39 teachers. The Community Service Activity (PKM) on this theme is a series of PKM titled Scientific Publication Article

Writing Training for ASN Teachers at SMPN 4 Boyolali. To achieve the competency target of writing scientific publication articles, this material is delivered as a workshop. The delivery technique is the first presentation of the material. Second, training. Third, assistance. The arrangement of the training program for writing scientific publication articles is as follows: the first session, registration of participants, then the opening followed by remarks from the head of the PAI IIM Surakarta study program, Remarks from the second Boyolali SMPN 4 Principal, Presentation from speakers, break, then continued with a group photo and prayer. The second session was Mentoring Training on

Writing Scientific Evaluation Publication Articles and Questions and Answers, then Closing. The schedule can be seen in Table 2.

Table 2 Schedule

Time	Activity
08.00-09.45	Participant registration
09.45-12.00	Opening <ol style="list-style-type: none"> 1. Welcome from the head of the study program PAI IIM Surakarta 2. Speech by the Principal of SMPN 4 Boyolali 3. Presentation 4. Group Photo 5. Prayer
12.00-13.00	Activity Mentoring Training in Writing Scientific Publication Articles
13.00-15.00	Evaluation and Question and Answer
15.15	Break

RESULTS and DISCUSSION

Implementation of community service activities according to a predetermined schedule. Starting from the registration of participants and the opening of the main event, three materials were presented by the community service team at the Mamba'ul 'Ulum Surakarta Islamic Institute. The first material is regarding research processes and procedures. The second material is regarding the systematics of writing scientific publication articles and how to cite and find references according to the theme. The third material is regarding submitting articles in the Open Journal System (OJS).

Law Number 20 of 2003 concerning the National Education System stipulates that educators are professionals whose job is to plan and carry out the learning process to assess learning outcomes, conduct mentoring and training, and conduct research and community service. One of the activities to improve teacher professionalism is through scientific writing. Teachers must write scientific and popular works for seminars and publications in the available media to develop their professionalism (Daryanto, 2013). Documentation of activity can be seen in Figure 1.



Figure 1 Opening of PKM Activities and Signing of the MoU

Scientific writing is a work that contains and examines problems using scientific principles. The scientific principles use the scientific method in discussing problems by presenting them using standard language and scientific writing, as well as scientific principles that are objective, logical, empirical, and systematic (Prayitno *et al.*, 2001). Scientific papers that must be written by teachers to develop themselves and must be published to the public as a form of teacher contribution to improving the quality of the learning process in schools and the development of education in general and to obtain credit points

following the Regulation of the Minister of State for Administrative Reform and Bureaucratic Reform Number 16 of 2009 concerning Functional Positions of Teachers and their Credit Points are scientific publications. Teachers not only teach students in class but are also required to be able to write down their ideas through writings published in books and scientific journals, both nationally accredited journals and international journals (Hasan *et al.*, 2021). Through this credit score system, it is hoped that awards will be given more fairly and professionally for the rank of teacher, which is a recognition of the profession (Arikunto *et al.*, 2019).

Suppose you look at the explanation of the theory above. In that case, the training activity for writing scientific publication articles is very important so that the principal of SMPNN 4 Boyolali fully supports the implementation of this PKM. Because training in writing scientific publication articles can help teachers have difficulties in writing. After the delivery of material by Meti Fatimah, the teachers' difficulties, including the process of conducting research, the writing process according to the systematics of writing scientific publication articles, and the process of submitting articles through OJS, have been resolved. Documentation about how to submit the manuscript can be seen in Figure 2.



Figure 2 Submission of Materials

Teacher participation showed 80% enthusiasm in writing scientific publication article training, so the service team held ongoing communication until the teacher submitted a scientific publication article as research output. The community service activities are expected to benefit the teacher's efforts to improve the quality of understanding of writing scientific publication articles as an output of research to improve skills in conducting research activities (Kaswari *et al.*, 2018).

CONCLUSION

Articles Scientific publication in scientific journals is one of the requirements that must be met if an ASN teacher is to apply for a rank or class. Because if these conditions are not met, it will hinder a teacher's career. Because teachers are not used to publishing research results in peer-reviewed scientific journals, teachers must be familiar with article writing training so that teachers can and are accustomed to researching and writing in the future. From these community service activities, it can be concluded that the teacher can understand the research process, the systematics of writing articles, and how to cite journals as a reference. However, in submitting articles through OJS, teachers still need further assistance.

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