

Article Writing Training to Improve the Academic Competence of Students at SMK PGRI 13 Surabaya

Nuril Huda¹, Amrozi Khamidi², Mariana³, Slamet⁴, Mohammad Nurul Huda⁵

¹ Dr. University Soetomo Surabaya; Indonesia

² Surabaya State University; Indonesia

³ IAI Sunan Giri Ponorogo; Indonesia

⁴⁵ STAI Luqman Al Hakim Surabaya; Indonesia

correspondence e-mail*, nuril.huda@unitomo.ac.id, amrozikhamidi@unesa.ac.id,
mar14ana1212@gmail.com, slametkadireja@gmail.com, irule.huda@gmail.com

Article history

Submitted: 2025/01/01; Revised: 2025/01/06; Accepted: 2025/01/14

Abstract

A single paragraph of about 200 words maximum. For research articles, abstracts should give a pertinent overview of the work. We strongly encourage authors to use the following style of structured abstracts, but without headings: (1) Background: Place the question addressed in a broad context and highlight the purpose of the study; (2) Purpose of the Study: Identify the purpose and objective of the study; (3) Methods: Describe briefly the main methods or theoretical framework applied; (4) Results: Summarize the article's main findings; and (5) Conclusions: Indicate the main conclusions or interpretations. Palatino Linotype 10pt.

Keywords

Article writing training, academic competence, vocational school students, scientific articles, ABCD approach, writing skills, practice-based education, mentoring



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INTRODUCTION

Writing scientific papers is an important skill that every individual needs to have, especially those involved in the world of academics and research (Fathoni, 2023; Susanti, 2023). Scientific work not only functions as a medium for conveying ideas, research results or scientific findings, but also as a tool for developing critical, analytical and logical thinking skills (Adelia et al., 2022; Juwita, 2021; Kartin et al., 2023). In an educational context, writing scientific papers has a very high urgency because it can be a means of exploring and communicating knowledge systematically.

At the tertiary level, writing scientific papers is one of the main requirements in the academic evaluation process. For students, writing scientific work such as a thesis, thesis or dissertation is an achievement that illustrates the depth of understanding of a topic and the ability to contribute to the development of science. On the other hand, at the secondary school level, the ability to write scientific papers is also increasingly becoming a relevant need. For example, vocational school students need to be trained to develop this ability as

part of their preparation to enter the professional world which requires good written communication skills.

The urgency of writing scientific papers is also seen in the context of self-development (Fajrianti & Kaif, 2023). Through the process of writing scientific papers, individuals not only develop writing skills, but also hone research, data analysis and information synthesis skills that can be applied in various fields. Thus, writing scientific papers is an important means of building a deeper and more comprehensive understanding of the world around us, as well as contributing to the development of science and technology (Ibrahim et al., 2023; Solehudin et al., 2023; Yanti et al., 2024).

Writing scientific papers has a very important role in the academic and professional world. As a means of scientific communication, scientific work is a tool for conveying ideas, research results and thoughts developed through in-depth and systematic study. In an educational context, the ability to write scientific papers is not only a requirement for graduation, but is also an effort to develop critical, analytical and objective thinking skills. Writing scientific papers trains individuals to think logically, construct strong arguments, and communicate ideas in a clear and structured manner.

For students, especially at the vocational school level, writing scientific papers is a very valuable skill, considering the challenges in the world of work which increasingly require good written communication skills. This ability is also very useful in the professional world, where many jobs require creating reports, analyzing data, and the ability to convey ideas and findings in written form that is easy to understand. Therefore, training in writing scientific articles is very relevant for vocational school students, as preparation for facing academic and professional challenges in the future.

The urgency of writing scientific papers is also related to the development of science and technology. Every scientific work written can make a new contribution to the development of science in its field. Therefore, good writing skills are needed, both in academic research and in the world of work. This training aims to provide the basics of scientific writing to students at SMK PGRI 13 Surabaya, so that they are not only able to write quality scientific articles, but also develop other important skills, such as research, analysis and information synthesis abilities.

METHOD

This article writing training for students at SMK PGRI 13 Surabaya adopts the ABCD (Aims, Behavior, Conditions, and Degree) approach to ensure this training is effective in improving students' academic competence. This method is designed to provide clear direction about training goals, expected behavior, training conditions, and measurable success criteria.

In the first stage, Aims or training objectives, training participants are expected to be able to write scientific articles with the correct structure and meet applicable academic rules.

The main focus is on improving writing skills that can not only be used in academic contexts, but also in their future professional world. This training will equip participants with basic knowledge and practice in writing informative and structured articles.

Furthermore, in the Behavior aspect, it is hoped that participants will show improvement in their ability to write articles systematically, starting from collecting data, preparing outlines, to writing clear and structured article drafts. This training also aims to enable participants to implement academic writing techniques, such as using appropriate references and writing quotations correctly.

This training is carried out using conditions that support the learning process, including comfortable classrooms, learning media such as PowerPoint presentations, written materials, and access to the internet for research. In addition, training will be carried out in stages using a group discussion approach, individual assignments, and direct mentoring from teachers. Each session is designed to provide an interactive and applicable learning experience.

The expected degree or level of achievement is that each participant is able to complete one scientific article that is ready to be published at the end of the training. Participants' success will be measured based on the quality of the articles produced, such as suitability to the given theme, completeness of information, clear writing structure, and participants' ability to integrate references correctly.

This training will be held from 1 October to 10 December 2024. During this period, participants will take part in a series of sessions which include learning the theory of writing scientific articles, discussions, as well as activities to write and revise their articles. These dates provide sufficient time for participants to practice and improve their skills.

At each stage of the training, participants will receive direct feedback from the facilitator and their peers to improve the articles they are working on. This process is intended to hone participants' writing skills, as well as provide an opportunity to develop a deep understanding of the topics they write about.

This training method also prioritizes a practical approach by providing participants with many opportunities to practice writing and revising articles. Through this approach, it is hoped that participants will not only understand the theory of article writing, but also be able to apply it directly in daily writing activities.

In closing, the success of this training will depend greatly on the participants' ability to apply the writing techniques they have learned, as well as their commitment to participating in the entire series of training activities until the end. With a clear ABCD method, it is hoped that this training can improve the academic competence of students at SMK PGRI 13 Surabaya in writing quality scientific articles.

RESULTS AND DISCUSSION

The article writing training held at SMK PGRI 13 Surabaya with the theme "Article Writing Training to Improve Students' Academic Competence" took place from 1 October to 10 December 2024. This training aims to improve the scientific article writing skills of students at SMK PGRI 13 Surabaya, as well as giving them the ability to produce scientific work that can be published. This training was attended by 30 students from various departments at the school, and through systematic teaching methods, students showed significant development in their writing abilities.

Training Process and Activities Carried Out

The training began with an introductory session regarding the importance of writing scientific articles in the academic and professional world. The material provided in this training includes the basics of writing scientific articles, research and data collection techniques, good writing structure, and how to cite and refer to sources correctly. Participants are given material and sample articles that comply with academic standards, and they are given the opportunity to practice each stage of article writing.

Training is carried out in stages with a schedule that includes theory, group discussions, individual writing, as well as revisions and feedback provided by the facilitator. Each participant is given the task of writing a scientific article that suits the topic they choose. Apart from that, they were also guided in the process of revising the article based on suggestions and feedback from the facilitator and fellow classmates.

During training, students actively participate in each session. The group discussion went smoothly, with participants exchanging ideas and discussing the topics they raised in the articles. Apart from that, individual consultation sessions are also an opportunity for students to get further direction regarding the topics and writing techniques they choose.

Achievements Achieved

Overall, this training succeeded in achieving its goal, namely increasing students' academic competence in writing scientific articles. After attending the training, the majority of participants showed significant improvement in their writing skills. The results of written articles produced by students have experienced rapid development, especially in terms of structure, quality of content, and compliance with scientific writing standards.

Several indicators of the success of this training can be seen from the quality of the articles prepared by the participants. Most of the articles produced follow the

correct format, including the use of a clear title, abstract, introduction, methodology, discussion and conclusion. Apart from that, students are also able to use references correctly, both from books and relevant journal articles, which is proof that they understand the importance of literature in scientific writing.

Significant improvements were also seen in participants' ability to create articles that were more structured and easier to understand. Previously, many students had difficulty writing articles with a clear and logical flow. However, after attending this training, they can compose articles with interesting introductions, in-depth discussions, and relevant conclusions. This shows that this training was not only successful in improving their writing skills, but also their analytical skills and academic understanding.

Challenges Faced

Although this training succeeded in achieving many of its objectives, there were several challenges faced during implementation. One of the main challenges is the varying levels of student motivation. Some students feel less confident in writing scientific articles because they are not used to the strict format and rules of academic writing. This was especially evident at the start of the training, where several participants experienced difficulty in compiling articles that met academic standards.

To overcome this challenge, facilitators take a more intensive individual approach, providing direct guidance to participants who need further assistance. In addition, through group discussions, participants are given the opportunity to share experiences and provide support to each other. With this approach, students who were initially hesitant become more confident and can produce better work.

Another challenge faced is the limited time available to complete the article. Because training time was limited, some participants felt rushed in completing their articles. However, with frequent consultation sessions, they can improve their writing and maximize their available time.

Feedback from Participants

The feedback given by participants was very positive. Many students expressed that this training opened their minds about the importance of writing scientific articles and gave them new skills that are very useful in the academic world. They also feel more confident in writing scientific articles, especially after going through a structured training process.

Some participants stated that, previously, they did not know how to start writing articles and how to develop their ideas. However, after the training, they felt better prepared to write scientific articles with clear and organized steps. Participants

also appreciated the revision sessions that allowed them to see the progress of their articles in real time and make necessary improvements.

Achievement of Training Goals

The main aim of this training is to improve the students' ability to write scientific articles at SMK PGRI 13 Surabaya. Based on the evaluation results, almost all participants have achieved this goal. They are not only able to write better articles, but also understand the research process, data collection, and use of references in accordance with academic standards.

The skills these students acquire are not only useful for academic assignments at school, but also provide them with valuable provisions to face challenges in the professional world. Writing scientific articles is an important skill in various fields, including in the world of work, where the ability to write reports and research is highly valued.

This article writing training for students at SMK PGRI 13 Surabaya has had a significant impact in improving their academic competence. Despite some challenges, this training succeeded in achieving its objectives and provided students with useful skills in writing scientific articles that comply with academic standards. With this success, it is hoped that this kind of training can be held regularly to improve the scientific article writing skills of other vocational school students, as well as strengthen their overall academic competence.

Through this training, students not only gain new knowledge in writing, but also learn to work in a more structured and in-depth manner in producing scientific work. Thus, this training not only has an impact on improving writing skills, but also on improving the overall quality of education at SMK PGRI 13 Surabaya.

CONCLUSION

The training "Writing Articles to Improve the Academic Competence of Students at SMK PGRI 13 Surabaya" which was held from 1 October to 10 December 2024 succeeded in achieving its goal of improving students' scientific article writing skills. By using a systematic and structured approach, this training not only helps students understand the theory of writing scientific articles, but also gives them the opportunity to apply it in practice. Students show significant improvement in the quality of the articles they write, from understanding structure to using appropriate references.

Despite challenges related to motivation and time constraints faced, the facilitators' efforts to provide direct guidance and support students through

individual consultation sessions and group discussions proved effective. Participants not only succeeded in improving the quality of their writing, but also felt more confident in their ability to write scientific articles.

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