

Digital-Based Scientific Writing Training for Students of the Annuqayah Alumni Association (IAA) Bangkalan Branch

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ABSTRACT

The Annuqayah Alumni Association (IAA) Bangkalan Branch is an alumni association of students from the Annuqayah Islamic Boarding School located in Guluk-Guluk, Sumenep Regency. In general, the members of the Annuqayah Alumni Association (IAA) Bangkalan Branch are students currently pursuing their education in Bangkalan Regency, including at the University of Trunojoyo Madura (UTM), STKIP PGRI Bangkalan, and STIKES Ngudia Husada Bangkalan. Members of the Annuqayah Alumni Association (IAA) Bangkalan Branch require scientific writing training to support their academic careers, particularly in writing papers, proposals, laboratory reports, and scientific articles, which are common assignments in nearly all courses. This community service activity is conducted using a needs analysis method, lectures, and discussions, the application of an e-book using the Heyzine app, mentoring and providing facilities such as free access to Turnitin account checks, guidance and consultation sessions, as well as drawing conclusions and evaluations. The results of this community service activity (PkM) show an improvement in the understanding of IAA students regarding the proper methods of scientific writing, as measured by the pre-test and post-test. The pre-test results showed that 55% of students were unable to follow the correct scientific writing procedures, while the post-test results showed a reduction, with only about 14% still unable to do so.

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INTRODUCTION

This Community service is made possible with the support of the research and community service information base (bima) from the Ministry of Education, Culture, Research, and Technology, through the 2024 community service grant. the title of this proposal is "Optimization of the quality of scientific writing for the Annuqayah Alumni Association (IAA) branch of Bangkalan through digital-based scientific writing training," which will be held from September to November 2024. The Bima community service grant funds the smooth execution of all training activities, from the socialization phase to the evaluation phase. The community service team has chosen training in writing as the focus of this service due to its importance for every academician to learn proper scientific writing techniques.

Those who wish to write a scientific paper must understand the correct methods of writing. There are so many benefits of scientific writing such as for graduation in higher education, mandatory course assignments, publication needs, and academic development. Students, as academicians in the learning phase, need to learn how to write scientific papers in a structured and systematic manner according to established scientific writing rules. These rules are binding for all writers. this is necessary to ensure that the scientific papers produced by each person meet the criteria of good and correct scientific writing.

Academicians have many challenges when writing scientific papers. for students, these challenges may include errors in spelling, improper structure of scientific papers, improper writing abstracts, and so on. there are various types of scientific works that students, must produce, such as papers, proposals, laboratory reports, scientific articles, and final theses. Every student is required to understand or master all forms of scientific writing, particularly their thesis. One of the graduation requirements for students is a scientific article. however, like a thesis, scientific articles also have specific rules in their writing that can determine whether the article can be published or not. therefore, through this community service activity, this team collaborates with the branch of the Annuqayah Alumni Association (IAA) Bangkalan to optimize the scientific writing produced by its members.

The Annuqayah Alumni Association (IAA) Bangkalan branch is an alumni association of students from the Annuqayah Islamic boarding school in Guluk-guluk, Sumenep regency. The practice of writing scientific papers must be mastered by all members of the Annuqayah Alumni Association (IAA) Bangkalan branch. In general, members of the annuqayah alumni association (iaa) bangkalan branch are students currently pursuing education in bangkalan regency, including at the university of Trunojoyo Madura (UTM), STKIP PGRI Bangkalan, and Stikes Ngudia Husada Bangkalan. Therefore, members of the Annuqayah Alumni Association (IAA) Bangkalan branch require scientific writing training to support their careers as students, especially in writing papers, proposals, laboratory reports, and scientific articles, which are common requirements in almost every course.

Some members of the Annuqayah Alumni Association (IAA) Bangkalan branch are students from the faculty of education. These students are required to produce scientific papers and to teach scientific writing to students once they graduate. Several common errors may occur in scientific writing by members of the Annuqayah Alumni Association (IAA), including errors in the use of formal and informal language, incorrect spelling and punctuation, insufficient understanding of the content in each section of the scientific paper, ineffective sentence and paragraph construction, citation errors, and more. These issues arose because the writing rules for each type of scientific paper differ, so all members of the Annuqayah Alumni Association (IAA) Bangkalan branch need to be familiar with and understand the specific rules for each type of scientific work. Some common mistakes in scientific writing include errors in structuring the paper, mistakes in writing the abstract, excessively long content with an overly detailed introduction, improper citation that may be perceived as plagiarism, incorrect use of Bahasa Indonesia (such as spacing in punctuation marks and affixation rules), inconsistency in formatting (e.g., changing fonts and margins), errors in writing foreign

words, incorrect informal language usage, confusion between "dimana/di mana" and "di antaranya," mistakes in writing conclusions, and improper formatting of the "references" section.

As academicians, scientific papers are inevitable works, as through these papers, the ideas, skills, and abilities of academicians can be assessed. Through scientific writing, every academician can contribute to their respective fields of study. Therefore, the aim of this community service program (PKM) activity is to optimize the scientific writing of the Annuqayah Alumni Association (IAA) Bangkalan branch through digital-based scientific writing training.

PROBLEMS AND SOLUTIONS

In general, the members of the Annuqayah Alumni Association (IAA) Bangkalan Branch are academicians who are pursuing their education in Bangkalan Regency, including at the University of Trunojoyo Madura (UTM), STKIP PGRI Bangkalan, and STIKES Ngudia Husada Bangkalan. Members of the Annuqayah Alumni Association (IAA) Bangkalan Branch require scientific writing training to support their academic careers, particularly in writing papers, proposals, laboratory reports, and scientific articles, which are common assignments in nearly every course.

This community service activity is conducted using a needs analysis method, lectures and discussions, the application of an e-book using the Heyzine app, mentoring and providing facilities such as free access to Turnitin account checks and course books, guidance and consultation sessions, as well as drawing conclusions and evaluations.

The results of this community service activity (PkM) show an improvement in the understanding of IAA students regarding the proper methods of scientific writing, as measured by the pre-test and post-test. The pre-test results showed that 55% of students had a limited understanding of scientific writing techniques, while the post-test results showed an improvement, with only about 14% of students still lack of understanding.

LITERATURE REVIEW

Scientific Articles

According to Drs. Totok Djuroto and Dr. Bambang Supriyadi, a scientific paper is a series of writing activities based on research results, systematically organized following scientific methodology, aimed at obtaining scientific answers to a particular problem. Meanwhile, according to Hery Firman, a scientific paper is a written report that is published or presented based on a study or research that has been conducted, with attention to the rules and ethical standards of the academic community. Therefore, it can be concluded that a scientific paper is a writing activity that is systematically and structurally organized to address scientific issues to find solutions. Here are the types of scientific papers along with their explanations:

- A scientific article is a written work that contains the author's opinion on a problem or topic being studied, related to existing theories. In general, scientific articles are considered scientific works published in academic journals or collections of other scientific articles.
- Paper is a scientific written work that addresses a problem based on empirical and objective data from the field. A paper is usually presented in a seminar through a presentation.
- Thesis, dissertation, and dissertation** are scientific written works created by students as requirements to obtain a bachelor's, master's, or doctoral degree. These scientific papers typically contain the results of research conducted by the students.
- Paper is a scientific written work that presents the results of research or analysis on a specific topic. Papers are usually published in academic journals or presented at scientific conferences.
- A Working paper is a scientific written work that contains the results of research or analysis on a specific topic. Working papers are usually presented in seminars or conferences.

Annuyayah Alumni Association (IAA) Bangkalan Branch

The Annuyayah Islamic Boarding School (Pesantren) is an institution with several regional branches, founded by KH. Syarqawi around the year 1887 AD, and remains under the command of the Annuyayah Foundation. The Annuyayah Pesantren Lubangsa branch is one of the areas under the Annuyayah Foundation's management. The Lubangsa branch was initially established by KH. Muhammad Ilyas bin Syarqawi. Although in the early years of its establishment, the Lubangsa branch of Annuyayah did not have a well-organized educational system, since the leadership transition to KH. Muhammad Ilyas (1917), the second son of KH. Muhammad Syarqawi and Ny. Mariyah, the educational approach at the Lubangsa branch of Annuyayah has gradually undergone significant changes. This is evidenced by the introduction of Malay and Indonesian languages in religious studies, as well as the shift in the approach towards the local community and government. To this day, these developments continue to progress rapidly.

Heyzine is a flipbook

The Heyzine application is a web-based platform. The media produced by the Heyzine application is in the form of a flipbook in HTML format, which can be accessed via Android, iPhone, tablet, or PC. It can even be downloaded for use in both digital and printed formats. Heyzine is a flipbook platform. The content is displayed in a flip format, allowing users to interact with it as if they were reading a traditional printed book.

METHOD

Implementation Program

In this Community Service Program (PkM), the team conducts training for students of the Annuyayah Alumni Association (IAA) Bangkalan Branch. There are 30 training participants consisting of students from the University of Trunojoyo Madura (UTM), STKIP Bangkalan, and Ngudia Husada Bangkalan. Further details are provided in the following implementation table.

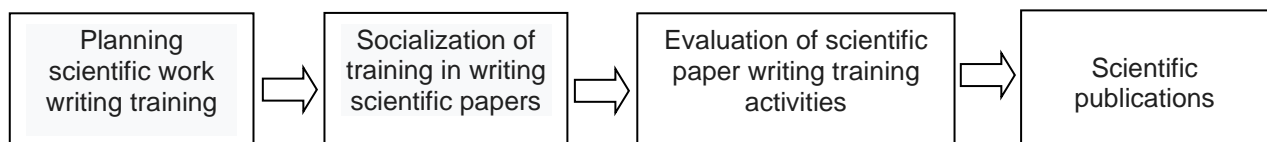


FIGURE 1. Implementation of 2024 Activities

This activity is carried out in three stages during the month of September, starting on Thursday, September 19, 2024, and continuing on Thursday, September 26, 2024.

The community service activity is conducted with the following methods:

- Needs Analysis, before conducting the training, an observation of the issues is carried out by holding a discussion with the head of the IAA Bangkalan Branch and IAA student members to address the challenges they often face when writing scientific papers.
- Lecture and Discussion, presentation and comprehensive discussion are held to explain the theme of scientific writing training.
- Application of an e-book using the Heyzine app, this is used as a tool to help IAA Bangkalan students understand the material presented during the community service.
- Mentoring and Provision of Facilities, this includes free access to Turnitin account checks for IAA Bangkalan students to support their writing.

- Guidance and Consultation Sessions, these sessions are provided to IAA Bangkalan students in the process of writing scientific papers properly and correctly.
- Conclusion and Evaluation, this stage involves providing an understanding of the process that has been carried out, its objectives, and its benefits, to improving the students' scientific writing skills at IAA Bangkalan Branch.

Partner Contributions

The contribution of the partners in this community service, in this case, the students of the Annuqayah Alumni Association (IAA) Bangkalan Branch, are as follows:

- Providing training to students on the proper methods of writing scientific papers for academic assignments, scientific publications, and as graduation requirements from higher education institutions.
- Providing regular mentoring to address the difficulties faced by students when writing scientific papers.
- Offering free access to plagiarism checks via Turnitin accounts to support the success of the program.
- Providing the venue and time for the community service activities to be carried out.

RESULTS AND DISCUSSION

This Community Service Program (PkM) activity was held at Café Bintang Sangak, located in Bangkalan Regency. This café chose to provide a pleasant atmosphere for the training participants, so it would not feel like a typical lecture session. The café is also accessible to all members of the IAA Bangkalan Branch. The participants came from various educational backgrounds, ranging from first-year (First Semester) to end-year students (Seventh Semester). The first training session was attended by 30 participants from various universities, including UTM, STKIP Bangkalan, and STIKES Ngudia Husada Bangkalan. The implementation of the training can be seen in the event documentation conducted by the PkM team down below.



FIGURE 2. Implementation of Phase I Training

The result of the first training session was that the members of the IAA Bangkalan Branch became aware of the common mistakes they often made, and they also realized that the rules of scientific writing are crucial to understand and follow. This awareness among the members of the IAA Bangkalan Branch became an initial step toward writing better scientific papers. This training is conducted to write better scientific papers. The activity was carried out by the digital scientific writing guidebook.



FIGURE 3. Menulis Karya Ilmiah itu, Mudah Book

The second stage of the training focused on the implementation of the scientific writing rules that had been taught to the students of the IAA Bangkalan Branch. There were 30 participants took part in this implementation phase. The students brought the scientific papers they had written. The outcome of this second stage of training was scientific papers products. So, the students will be able to check for similarity using Turnitin accounts provided by the community service team, as shown in images 3 and 4 below.



FIGURE 4. Assistance in Writing Scientific Papers for IAA Bangkalan Branch Students



FIGURE 5. IAA Bangkalan Student Scientific Writing Implementation

The success indicators of this training can be seen in the summary of the pre-test and post-test, which were conducted through a survey by the PkM team. The results of the pre-test and post-test are presented in Graph 1 below. Before the community service program, the majority of students were in the "unable" category, with 55% (16 students), while 45% (14 students) were in the "able" category. However, after the scientific writing training, the "unable" group decreased to 14% (4 students), while 86% (26 students) were able to write scientific papers effectively. The pre-test and post-test were conducted before the first training session and after the second training session. The PkM team

successfully provided updated results on the progress of the IAA students after all phases of the training were completed in November 2024.

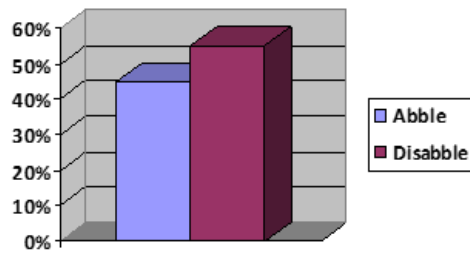


FIGURE 6. Pre-Test Results

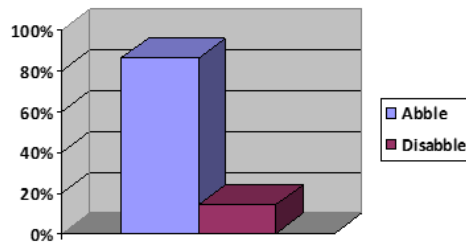


FIGURE 7. post test results

In addition, another result of the PkM program is the publication in the mass media. This publication is a reflection of the success demonstrated by the pre-test and post-test, showing that a significant change in the scientific writing methods of the students has indeed occurred. The news article was published online in October 2024. Thus, the entire series of the PkM activities funded by the BIMA 2024 Community Service Grant has been completed. Evidence of the article's publication in the mass media is shown in image 3 down below.



FIGURE 8. Mass Media Publication

Implementation of the Community Service Program (PkM) involved all relevant aspects, including the BIMA 2024 Community Service Grant program organized by the Ministry of Education, Culture, Research, and Technology, the Research and Community Service Institute (LPPM) of the University of Trunojoyo Madura, the IAA Bangkalan

Branch, faculty members from the PBSI Department who received the grant, and the students who carried out the technical aspects of the PkM.

CONCLUSION

The community service activity titled “Optimizing the Quality of Scientific Writing of the Annuqayah Alumni Association (IAA) Bangkalan Branch through Digital-Based Scientific Writing Training” has successfully improved the students' ability to write scientific papers. Before the training, most of the students were categorized as unable to write scientific papers, with 55% (16 students) in this category, and 45% (14 students) being able to write. However, after receiving the training, the number of students in the "unable" category decreased to 14% (4 students), while 86% (26 students) were able to write scientific papers effectively.

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