

IMPROVING THE QUALITY OF RESEARCH AND PUBLICATIONS IN SCOPUS JOURNALS FOR LECTURERS AND STUDENTS

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Abstract

The community service activity with the title "Improving the Quality of Research and Publication in the Scopus Journal for Lecturers and Students" aims to improve the ability of lecturers and students to produce quality scientific works, especially for publication in Scopus-indexed international journals. In today's academic context, publication in international journals is becoming increasingly important, so appropriate support is needed to overcome various challenges faced in the research and writing process of articles. The method applied in this program is a collaborative approach, which includes interactive workshops and direct mentoring by lecturers. Presentation sessions were also organized to share research findings, providing opportunities for participants to learn from each other. The results of this activity showed a significant increase in participants' understanding of research techniques and how to write good scientific articles. In addition, the program has successfully formed collaborative groups between students and lecturers, which creates high motivation to continue research. The evaluation of participants showed satisfaction with the implementation of the program and expectations to continue similar activities in the future. This activity concludes that the mentoring program not only improves the quality of research but also creates a positive research culture in the academic environment. This is very important for the development of science and the reputation of higher education institutions.

Keywords: Improving The Quality Of Research, Scientific Articles, Collaboration, Lecturer-Student.

Abstrak

Kegiatan pengabdian masyarakat dengan judul "Peningkatan Kualitas Penelitian dan Publikasi di Jurnal Scopus Bagi Dosen dan Mahasiswa" bertujuan untuk meningkatkan kemampuan dosen dan mahasiswa dalam menghasilkan karya ilmiah yang berkualitas, khususnya untuk publikasi di jurnal internasional terindeks Scopus. Dalam konteks akademik saat ini, publikasi di jurnal internasional menjadi semakin penting, sehingga diperlukan dukungan yang tepat untuk mengatasi berbagai tantangan yang dihadapi dalam proses penelitian dan penulisan artikel. Metode yang diterapkan dalam program ini adalah pendekatan kolaboratif, yang meliputi workshop interaktif dan pendampingan langsung oleh dosen. Sesi presentasi juga diselenggarakan untuk berbagi temuan penelitian, memberikan kesempatan bagi peserta untuk belajar dari satu sama lain. Hasil dari kegiatan ini menunjukkan adanya peningkatan signifikan dalam pemahaman peserta mengenai teknik penelitian dan cara penulisan artikel ilmiah yang baik. Selain itu, program ini berhasil membentuk kelompok kolaboratif antara mahasiswa dan dosen, yang menciptakan motivasi tinggi untuk melanjutkan penelitian. Evaluasi peserta menunjukkan kepuasan terhadap pelaksanaan program dan harapan untuk melanjutkan kegiatan serupa di masa mendatang. Kesimpulan dari kegiatan ini adalah bahwa program pendampingan tidak hanya meningkatkan kualitas penelitian, tetapi juga menciptakan budaya penelitian yang positif di lingkungan akademik. Hal ini sangat penting untuk pengembangan ilmu pengetahuan serta reputasi institusi pendidikan tinggi.

Kata kunci: Peningkatan Kualitas Penelitian, Artikel Ilmiah, Kolaborasi, Dosen-Mahasiswa.

INTRODUCTION

In the era of globalization and the rapid development of information technology, scientific research and publications are one of the important indicators in assessing the quality of higher education around the world. In Indonesia, efforts to improve the quality of research and publications in indexed international journals, especially Scopus, have become very relevant (Budiwan & Suswandari, 2021; Irawan & Purwasih, 2024; Jamil et al., 2024). This not only affects the reputation of educational

institutions, but also on the development of science and technology that can have a positive impact on society (Bahri, 2022; Erlin et al., 2024; Hakim & Rozi, 2024).

Improving the quality of research and publications in Scopus journals for lecturers and students is a strategic step in facing global challenges. The Scopus Journal is known as one of the largest databases that indexes high-quality scientific journals (Andriaty, 2019; Rheny et al., 2020; Hutapea, 2023). Publication in this journal not only increases the visibility of research, but also expands academic networks and increases the credibility of researchers (Winahyu, 2023; Noviandari, 2024; Rinovian et al., 2024). However, to be able to publish articles in Scopus indexed journals, a deep understanding of the good and correct writing process is needed (Khairina et al., 2021; Febrian et al., 2023; Hariguna et al., 2024).

One of the main challenges faced by lecturers and students is the lack of skills in writing scientific articles that meet international standards. Many novice researchers find it difficult to compile manuscripts that are in accordance with the rules of scientific writing, thus potentially reducing their chances of being accepted into leading journals (Hamu, 2024). Therefore, training and assistance in writing scientific articles are very important (Rosyidah et al., 2020; Suhardi & Gunawan, 2021; Anwar et al., 2022). The community service activity with the title "Improving the Quality of Research and Publication in the Scopus Journal for Lecturers and Students" aims to provide support to lecturers and students in improving their ability to write quality articles.

The program is designed to provide an understanding of the strategic steps in choosing the right journal, writing articles with a clear structure, as well as understanding a strong research methodology. Through a collaborative approach between lecturers and students, it is hoped that a positive synergy can be created in research development. This activity will not only improve the quality of publications, but also form a better research culture in the academic environment.

Furthermore, publications in indexed international journals such as Scopus have far-reaching implications for the reputation of universities. The quality of these publications contributes to the ranking of institutions on a national and international scale. Therefore, it is important for every individual in academia to realize that every published article reflects not only personal abilities, but also the reputation of the institution they are affiliated with.

Through this training, participants will be given guidance on how to find journals that suit their research topic, as well as tips for writing articles in accordance with scientific principles. In addition, participants will also be taught how to face the review process from international journals so that their articles can be well received. Thus, this activity aims to create a productive and innovative academic environment.

Overall, this program is a concrete step in an effort to improve the quality of research and publications in Indonesia. By improving the ability of lecturers and students to write high-quality scientific articles, it is hoped that a significant contribution will be made to the progress of science and increase the nation's competitiveness in the international arena. Through this community service, we hope to have a positive impact on local researchers and encourage them to continue to work and innovate for the advancement of science and community welfare.

This activity is also in line with the direction from the government regarding the importance of improving the quality of scientific publications as one of the efforts to improve the reputation of Indonesian universities at the global level. In this context, collaboration between lecturers and students is the key to achieving this goal. With direct assistance from lecturers to students during the research process to article writing, it is hoped that a generation of young researchers will emerge who are not only academically competent but also able to compete globally.

Thus, this community service is not just a technical training, but a long-term investment for the future of research in Indonesia. We believe that through improving the quality of research and publications in Scopus journals, we can jointly build a better academic ecosystem that is more beneficial to the wider community.

METHOD

In the current era of globalization, scientific publications are one of the main indicators in assessing the quality of research among academics. Especially for lecturers and students, publications in Scopus indexed journals not only improve the reputation of individuals, but also educational institutions. Therefore, community service that focuses on improving the quality of research and publications in Scopus journals is very important to be implemented. The methods to be used in this program include a collaborative approach, intensive training, and hands-on mentoring.

The main goal of this program is to improve the understanding of lecturers and students about good research techniques. In addition, it provides training on writing scientific articles in accordance with Scopus journal standards. Then this program also builds a collaborative network between lecturers and students to support each other in research. In addition, this service encourages active participation in publications in indexed international journals.

This program will be implemented through several stages as follows:

1. Needs Identification: Conduct an initial survey to identify the needs of lecturers and students related to research and publications.
2. Interactive Workshops: Conducting workshops involving experts in the field of scientific writing and publication. This workshop will cover topics such as how to choose the right journal, article writing structure, and peer review techniques.
3. Direct Assistance: Providing direct assistance to participants in compiling research proposals and scientific articles. Senior lecturers will act as mentors for students.
4. Presentation Sessions: Hold presentation sessions where participants can present the results of their research. This aims to get input from peers and improve the quality of writing before it is sent to the journal.

Evaluation and Follow-up: Once the program is complete, an evaluation will be conducted to measure the success of the program as well as determine the necessary follow-up steps.

This program is expected to provide various benefits, including:

1. Improving scientific writing skills for lecturers and students.
2. An increase in the number of articles published in Scopus indexed journals.
3. The development of a positive research culture in the academic environment.
4. Increased collaboration between lecturers and students in research.

To ensure the effectiveness of this program, evaluation will be carried out through a questionnaire distributed to participants after each activity. This questionnaire will include questions about participants' satisfaction with the material presented, the relevance of the workshop to their needs, and suggestions for future program improvements. In addition, monitoring the number of participant publications in Scopus journals after participating in the program will also be an indicator of success.

Improving the quality of research and publications in Scopus journals for lecturers and students is a strategic step in improving the academic reputation of higher education institutions. Through a collaborative approach, intensive training, and hands-on mentoring, the program aims to address the challenges faced by academics in producing high-quality scientific work. Thus, not only the quality of research is improved, but also a positive research culture can be built in the academic environment. This program is expected to be a model for other institutions in an effort to improve the quality of research and publications at the national and international levels.

RESULTS AND DISCUSSION

a. Activity Results

In the implementation of this activity, training was carried out on choosing the right journal, article writing structure, peer review techniques, as well as the use of reference manager applications such as Mendeley, Zootero, and applications for finding writing ideas such as Connector Paper, Publish or Perish, etc.

The implementation of the training was carried out online using the Zoom Meeting application, which was attended by a team of service and students majoring in mathematics at FMIPA Unima who took the Realistic Mathematics Learning course. The training situation is shown in the following figure 1:



Figure 1. Scientific Article Writing Training for Lecturer-Student Collaboration

From the implementation of this program, there are several significant results that can be recorded:

1. Improved Comprehension: Participants showed a significant increase in understanding of research techniques and scientific article writing. Post-activity evaluations showed that more than 80% of participants felt more confident in writing articles for publication in international journals.
2. Understanding of Research Techniques: Participants showed an increased understanding of research methodologies and scientific article writing techniques. This can be seen from the evaluation conducted after the activity, where many participants reported that they felt more confident in writing articles for publication.
3. Collaboration between lecturers and students: The formation of collaborative groups between lecturers and students creates a positive learning environment. This collaboration not only increases student motivation but also strengthens the academic relationship between lecturers and students.
4. Improved Research Quality: Many participants managed to draft articles that were worthy of publication. Some have even submitted their articles to Scopus indexed journals after participating in this program.
5. Participant Satisfaction: The evaluation showed a high level of satisfaction among participants, with the expectation of continuing the program in the future. Participants stated that this program is very beneficial for their academic development.

b. Discussion

The importance of this activity cannot be underestimated, especially in the context of higher education in Indonesia. Improving the quality of research and publications in Scopus-indexed international journals is a strategic step to strengthen the institution's academic position in the global arena.

1. Impact on Institutional Reputation: Publications in Scopus indexed journals contribute to improving the reputation of institutions. This has a positive impact on the accreditation of study programs and the competitiveness of the institution in attracting new students and international cooperation.
2. Science Development: With the increasing number of quality publications, the contribution to the development of science will also increase. Published research can be a reference for other researchers, both at the national and international levels.
3. Challenges Faced: Although the results of the activities show progress, there are still challenges that need to be overcome. One of them is the lack of initial understanding of research methodology among new students. Therefore, mentoring programs need to be continued on an ongoing basis.

This community service activity is very relevant considering the importance of publication in Scopus-indexed international journals in the current academic context. Such publications not only improve the reputation of individuals, but also educational institutions. With the increasing number of quality publications, institutions can improve accreditation and competitiveness at the national and international levels.

The involvement of lecturers in direct mentoring is crucial because many students face difficulties in writing scientific articles. Through this program, they not only learn how to write, but also understand the importance of collaboration in research. Support from lecturers helps students overcome obstacles that often arise in the research process, such as finding appropriate references and writing in accordance with international journal standards.

Overall, the program has succeeded in creating a positive research culture in the academic environment. With continuous support and appropriate training, it is hoped that the quality of research and publications in Scopus indexed journals can continue to improve, making a significant contribution to the development of science in Indonesia.

CONCLUSION

Through this program, participants are given an in-depth understanding of Scopus journal criteria, effective writing techniques, and strategies to increase the visibility and impact of their scientific publications. The program involves a series of trainings and workshops designed to equip faculty and students with the necessary skills in research. Participants are taught how to choose relevant topics, design appropriate research methodologies, and write scientific articles in accordance with

international standards. In addition, interactive discussions were also carried out to encourage collaboration between lecturers and students in producing quality research.

The results of this activity show that there is an increase in participants' understanding of the importance of publication in reputable journals such as Scopus. The participants felt more confident in compiling and submitting their scientific papers. As such, the program not only contributes to improving the quality of individual research, but also has the potential to enhance the institution's overall reputation in the academic world.

Overall, this community service has succeeded in creating awareness of the importance of quality research and publication in international journals, as well as providing practical support for lecturers and students to achieve these goals. The sustainability of this program is expected to continue to encourage a productive research culture in the academic environment.

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