

Socialization Of The Use Of Chatgpt In Academics In Improving The Quality Of Research Lecturers In Indonesia

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ABSTRACT

Kegiatan sosialisasi pemanfaatan ChatGPT bagi dosen telah dilaksanakan pada hari Rabu, 19 Februari 2025 di lingkungan Universitas Kristen Marantha Bandung, dan Universitas Islam Negeri Maulana Malik Ibrahim Malang, Jawa Barat. Hasil dalam artikel ini menunjukkan bahwa sosialisasi pemanfaatan ChatGPT bagi dosen telah dilaksanakan, hal ini menunjukkan bahwa dosen terdidik dan mampu memahami perlunya ChatGPT dalam peningkatan mutu penelitian. Sosialisasi yang dilakukan menjelaskan bagaimana pemanfaatan ChatGPT mendukung dosen dalam proses penelitian. Kegiatan ini memberikan kontribusi bagi peningkatan mutu penelitian di Indonesia dengan memberdayakan dosen untuk memaksimalkan pemanfaatan ChatGPT di tengah pesatnya perkembangan AI. Dalam peningkatan mutu penelitian dosen, ChatGPT dimanfaatkan untuk mencari informasi terkait penelitian secara cepat dan melakukan validasi penelitian secara akurat, serta potensi ChatGPT dalam memfasilitasi dan mendukung penelitian. Dosen merupakan sumber daya manusia cerdas yang mampu memanfaatkan teknologi secara bijak. Oleh karena itu, kegiatan seperti sosialisasi ChatGPT bagi dosen sangat diperlukan.

The socialization activity of the use of ChatGPT for lecturers was carried out on Wednesday, February 19, 2025 in Bekasi, West Java, Marantha Christian University Bandung, and Maulana Malik Ibrahim State Islamic University Malang. The result in this article show the socialization of the use of ChatGPT for lecturers that have been carried out, it shows that lecturers are educated and able to understand the need for ChatGPT in improving the quality of research. The socialization carried out explains how the use of ChatGPT supports lecturers in the research process. This activity contributes to improving the quality of research in Indonesia by empowering lecturers to maximize the use of ChatGPT amidst the rapid development of AI. In improving the quality of lecturers' research, ChatGPT is used to quickly search for information related to research and validate research accurately, as well as the potential of ChatGPT in facilitating and supporting research. Lecturers are intelligent human resources who are able to use technology wisely. Therefore, activities such as the socialization of ChatGPT for lecturers are very necessary.



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INTRODUCTION

One of the AI (Artificial Intelligence) technologies that is currently being widely discussed is ChatGPT. ChatGPT was created by a research laboratory company, namely OpenAI. ChatGPT is a smart device technology that uses deep learning methods that are able to provide well-structured answers, the

sequence between words has the right accuracy. In addition, ChatGPT is also able to memorize previous conversations (Ramadhan, 2023; Saputra, 2023).

The development of AI in this case ChatGPT creates an opportunity for artificial intelligence, including as an assistant in research, development of learning materials, and even as a virtual assistant. This ChatGPT technology can be used in various fields, including in academics at universities (Rahman, 2023; Rasul, 2023). With ChatGPT's very sophisticated capabilities, it can be used as an assistant in the research process, because it is able to help academics in this case students and lecturers in exploring various research information. ChatGPT is also able to ease academics in understanding difficult theoretical concepts, because ChatGPT is able to provide clearer and easier-to-understand explanations (Xames, 2023).

In line with the advancement of AI-based technology, it requires lecturers to be able to follow technological developments so that they can facilitate and support research (Harahap, 2023). For this reason, it is necessary to provide socialization about the importance of utilizing ChatGPT in the academic field in improving the quality of lecturers' research and facilitating lecturers in the research process. Socialization of the use of ChatGPT in the academic field is an effort to improve lecturers' understanding in improving the quality of lecturers' research.

Through education that can effectively understand lecturers to use ChatGPT optimally, lecturers can maximize the use of ChatGPT for the quality of their research. The ChatGPT utilization socialization program is carried out through several stages, namely educational socialization, training and Q&A. Socialization of the use of ChatGPT in the academic field is important so that lecturers have an understanding in improving the quality of research. Socialization, which is part of community service, improves participants in terms of understanding, knowledge and motivation in order to prepare themselves by increasing their understanding of the development of digital technology in research. This Community Service activity aims to maximize the use of ChatGPT and direct lecturers so that ChatGPT is not misused and the quality of research can be maintained amidst the development of AI.

METHOD

The socialization activity of the use of ChatGPT for lecturers was carried out on Wednesday, February 19, 2025 in Bekasi, West Java, Marantha Christian University Bandung, and Maulana Malik Ibrahim State Islamic University Malang. The empirical reason put forward was the actual condition of lecturers who have not maximized the use of ChatGPT to improve the quality of research. In fact, the advantages offered by ChatGPT as a form of AI development offer various sophisticated features that can be utilized as well as possible. Apart from the negative side that can threaten plagiarism in research, ChatGPT can be used to find research sources quickly, but still balanced with the accuracy of the data used in the research. Lecturers are intelligent human resources who are able to use technology wisely. Therefore, activities such as the socialization of ChatGPT for lecturers are very necessary. Community Service Activities through the socialization of the use of ChatGPT for lecturers consist of three sessions, namely socialization, training and Q&A. This socialization aims to provide participants with a deeper understanding of important aspects in the use of ChatGPT.

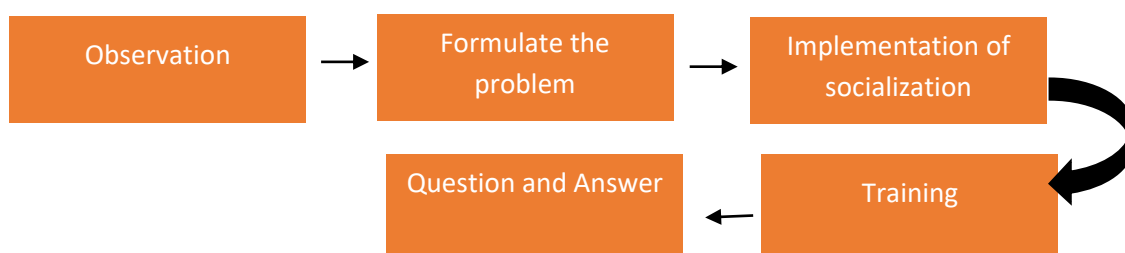


Figure 1. Flow of the Implementation Program

RESULT AND DISCUSSION

Community Service Activity Sessions

Community Service Activities through the socialization of the use of ChatGPT for lecturers consist of three sessions, namely socialization, training and Q&A. This activity was carried out The

socialization activity of the use of ChatGPT for lecturers was carried out on Wednesday, February 19, 2025 in Bekasi, West Java, Marantha Christian University Bandung, and Maulana Malik Ibrahim State Islamic University Malang. This socialization aims to provide participants with a deeper understanding of important aspects in the use of ChatGPT that play a role in research quality.

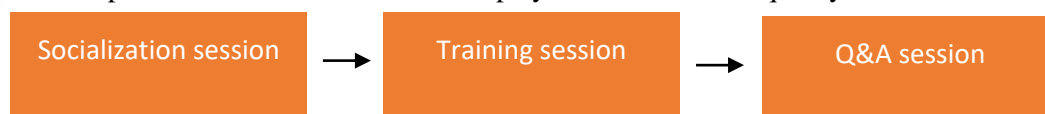


Figure 2. Community Service Activity Sessions

Socialization session

The socialization material presented will cover several main topics relevant to the development of AI, especially the use of ChatGPT for research quality. The activity began with the presentation of material on the concept of ChatGPT, such as the definition, features of ChatGPT, and how to use ChatGPT. With ChatGPT's very sophisticated capabilities, it can be used as an assistant in the research process, because it is able to help academics in this case students and lecturers in exploring various research information.

Training Session

In this session, the service team provided assistance through the application of ChatGPT in the research process, namely by utilizing ChatGPT to improve the quality of research. The use of ChatGPT helps research in several ways; (a) ChatGPT can be used to help lecturers brainstorm ideas and generate interesting hypotheses and research questions; (b) ChatGPT can help lecturers search for literature relevant to their research topics. This platform can scan large amounts of text and identify potentially useful sources; (c) ChatGPT can help lecturers analyze qualitative data, such as interview transcripts or field notes. This platform can identify patterns and themes in data that may be difficult for humans to recognize.

Q&A Session

In the Q&A session, participants can ask the speaker directly to clarify the concepts that have been presented. To strengthen the lecturer's understanding of ChatGPT, a direct Q&A discussion needs to be held between the lecturer and the service team. The service team concluded the Q&A session by explaining that ChatGPT can be a useful tool for research, but it is important to be aware of its limitations and potential. Lecturers when acting as researchers must use ChatGPT carefully and critically, and always verify the information generated by this platform.

Utilization of ChatGPT in Improving the Quality of Lecturer Research

Utilization of ChatGPT in improving the quality of lecturer research is presented in the following presentation.

Searching for research-related information quickly and validating research accurately

The main advantage of utilizing ChatGPT is to provide various information accurately and quickly. Moreover, this technology can provide recommendations and suggestions that are relevant to the preferences of its users. With a Fast Response, ChatGPT can provide all the answers users need in just a few seconds. This capability was deliberately created to be more responsive. ChatGPT is able to use Natural Grammar, ChatGPT was created to share and provide answers using natural or humanfriendly language. The language they use in answering or providing information will be easy to understand. So that users can interact with humans as usual. So that the answers shared are correct, ChatGPT is made sensitive to query adjustments. This is so that users can ask different questions, but with the same meaning and meaning.

Researchers do not immediately use ChatGPT to conduct research instantly, but rather use ChatGPT to validate research findings according to the facts in the field. However, it is possible that the information obtained may contain incorrect answers. Therefore, researchers who utilize ChatGPT need to re-verify all answers from this chatbot. As users, researchers must continue to check the answers and not swallow the information from the robot raw.

The potential of ChatGPT in facilitating and supporting research

Overall, the use of ChatGPT in research has the potential to facilitate several aspects of research, such as data retrieval, information summarization, and reference discovery. However, there are weaknesses and challenges that need to be considered, including limitations in understanding context, data reliability, dependence on internet sources, and replacement of the role of researchers. It is important to use ChatGPT as a research tool, not a

substitute for a comprehensive and methodological research process that involves the contribution of knowledgeable and experienced humans.

With ChatGPT, it can provide information, develop ideas and make it easier for lecturers in the research process. ChatGPT uses sophisticated technology, is able to provide accurate answers and find information that is needed in the research process. However, ChatGPT output needs to be validated by various sources and experts. The use of ChatGPT properly can be utilized by researchers to create knowledge as an initial brainstorming tool. ChatGPT can provide information and resources that are useful in improving the quality of research.

The assistance of lecturers in terms of using ChatGPT in research activities is very clear. This is relevant to the ChatGPT feature which can help in terms of writing considering the performance of the program which is based on NLP (Natural Language Processing). Lecturers see ChatGPT as a fast and efficient source of information and as a tool that can facilitate the creative process in developing ideas and concepts. How to maximize ChatGPT in exploring scientific research ideas by reviewing several things such as the difference in searching for references using ChatGPT with other methods such as observation and literature analysis, the validity of the references presented, and the pros and cons of using it in compiling a scientific paper.

Thus, the results of this community service activity show that the socialization of the use of ChatGPT for lecturers has given positive results. The use of ChatGPT improves their abilities as technologically intelligent human resources. The advantages offered by ChatGPT as a form of AI development offer various sophisticated features that can be utilized as well as possible. Apart from the negative side that can threaten plagiarism in research, ChatGPT can be used to find research sources quickly, but still balanced with the accuracy of the data used in the research. Lecturers are intelligent human resources who are able to use technology wisely. Therefore, activities such as the socialization of ChatGPT for lecturers are very necessary.

CONCLUSION

Based on community service activities through the socialization of the use of ChatGPT for lecturers that have been carried out, it shows that lecturers are educated and able to understand the need for ChatGPT in improving the quality of research. The socialization carried out explains how the use of ChatGPT supports lecturers in the research process. This activity contributes to improving the quality of research in Indonesia by empowering lecturers to maximize the use of ChatGPT amidst the rapid development of AI. In improving the quality of lecturers' research, ChatGPT is used to quickly search for information related to research and validate research accurately, as well as the potential of ChatGPT in facilitating and supporting research. Lecturers are intelligent human resources who are able to use technology wisely. Therefore, activities such as the socialization of ChatGPT for lecturers are very necessary.

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