

Mendeley Management Reference Application and Scientific Writing Strategy

Muhammad Isradi^{1*}, Yusra Aulia Sari², Andri Irfan Rifai², Amrun Rosyid³, Abdul Hamid⁴, Joewono Prasetijo⁵

¹ Civil Engineering Study Program, Faculty of Engineering, Mercu Buana University, Indonesia

² Bachelor Program in Civil Engineering, Faculty of Civil Engineering and Planning, Batam International University, Indonesia

³ Management Study Program, Faculty of Economics and Business, Narotama University, Indonesia

⁴ Faculty of Technical and Vocational Education, Universiti Tun Hussein Onn Malaysia

⁵ Faculty of Vocational Technology, Universiti Tun Hussein Onn Malaysia

Corresponding author : isradi@mercubuana.ac.id^{1*}

yusra@uib.ac.id², andri.irfan@uib.ac.id², amrun.rosyid@narotama.ac.id³, abdulhamid@uthm.edu.my⁴, joewono@uthm.edu.my⁵

Abstract, The main obstacle in making a scientific paper is due to lack of experience in writing and weak knowledge of strategies in technical writing. This workshop aims to provide insight into writing strategies, train using the Mendeley application reference tool, and write citations in journals or scientific papers. This activity was carried out through the Zoom Meeting application by presenting competent resource persons and divided into several stages, starting from participant registration, education stages and direct practice of using applications on Microsoft Office Word. From the training results, ten universities with 150 participants, of which 52% of them were unfamiliar with the Mendeley application. With the evaluation results, 70.47% of participants were able to operate this application. Participants stated that they were very interested in using the simple regression results, the R² value = 0.9691, and the ease of use of the application obtained an R² value of 0.9702.

Keywords: writing strategy, citation, reference, Mendeley

INTRODUCTION

Mercu Buana University commits to play an active role in fulfilling the mandate of the Tri Dharma of Higher Education, one of the pillars of which is the implementation of Community Service activities (Biro Penelitian Pengabdian Masyarakat dan Publikasi, 2021). In implementing this commitment, Community Service (PkM) activities organized by Mercu Buana University always strive to solve problems faced, especially for lecturers and students who have entered the final stages of their lectures (Putra & Ghani, 2020).

The existence of the obligation to implement the tri dharma of higher education for lecturers and making final assignments for students by the guidebooks for each study program requires the implementers to follow and apply these regulations (Briandana et al., 2022), resulting in the availability of several options for the publication of scientific papers. The use of citation software is also one of the requirements for the manuscript to be published in a journal (Yusdita & Utomo, 2019). This is supported by the accreditation assessment of the writing style assessment section, in which the use of citation applications gets the highest score. This rule requires standard and consistent citations, and the bibliography alone is insufficient. The

compatibility between the cited sources and those in the bibliography can be maintained or guaranteed using citation software.

The low number of writers in Indonesia makes scientific publications in Indonesia still insufficient. In 2019, Indonesia published the most scientific papers compared to other ASEAN countries, such as Singapore, Malaysia, and Thailand. However, this figure is still insufficient, so efforts are needed to increase the number and quality of good research writing (Wulandari et al., 2021). These problems are also felt in almost every university, including the University of Mercu Buana.

Some obstacles cause a low number of writers. The blocks are due to the lack of training and socialization related to techniques and strategies in writing. Therefore it is necessary to hold a Workshop on strategies for writing scientific papers and using Mendeley management reference applications (Mardin et al., 2020).

The partner problems raised in this community service program are based on the analysis of the situation above, then identified as partner problems, including the lack of socialization and training, as well as the application of the Mendeley application in writing scientific papers (Harared & Iriyansah, 2021). So that with this community service activity, it is hoped that it can improve the ability in scientific writing as well as increase achievements in publishing a work (Syaharuddin et al., 2021).

METHODOLOGY

The Community Service Program that was prepared was intended to provide knowledge of writing procedures in Microsoft Word, and the Mendeley reference application through workshops or webinars held online through the Zoom Meeting application. This workshop presents competent resource persons who have become Mendeley Advisors so that all participants can understand and apply them in their scientific papers (Somantri et al., 2020). In addition to presenting Mendeley Advisory, this workshop will also give several speakers in terms of good citation techniques and making an excellent scientific paper/journal for publication.

Participants will be provided training modules to maximize the expected achievements (Hidayat et al., 2019), recording the workshop implementation activities and a certificate (Isradi et al., 2019).

The workshop activity began by distributing flyers and registration links through the google form. After registered participants are given online training activities and knowledge of using the application, all participants will participate in direct Pratik activities utilizing the application and are guided directly by Mendeley advisory.



Figure 1. Abdimas Implementation Flyer

The target audience for this Community Service activity are lecturers and final year students, especially at the Mercu Buana University and MBKM campus partners with a target of 100 participants.

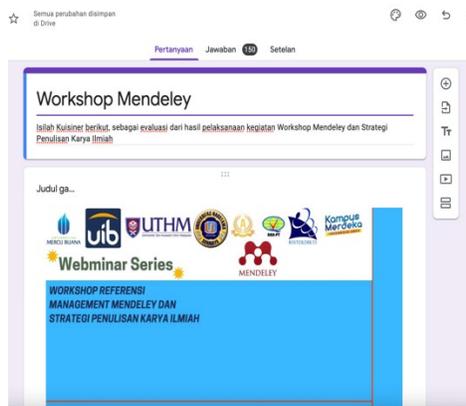


Figure 2. Deployment of Google Forms to Training Participants

RESULTS AND DISCUSSION

Mendeley's reference management training and writing strategy will be held on Wednesday, 09 March 2022, starting at 08.30 am until finished.

Training Implementation

The first speaker from Tun Hussein On Malaysia University gave material related to tricks and strategies in writing.

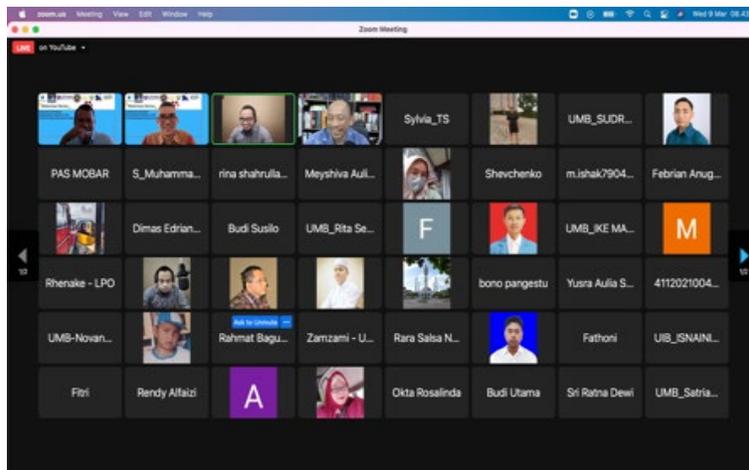


Figure 3. Registration of Training Participants in Zoom Room and Live Youtube

In his presentation, he presented the definition of scientific writing, namely scientific writing is a form of writing used to deliver:

1. Reports and working papers
2. Project study/study
3. Results of thesis research/thesis/dissertation

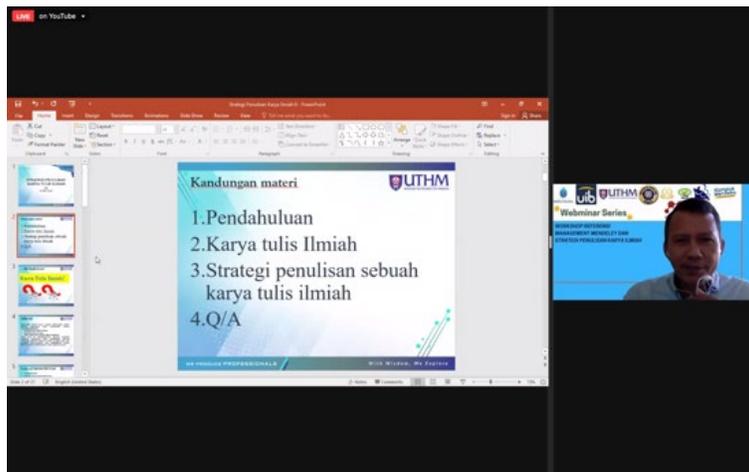


Figure 4. Presentation of Speakers 1

Which is also presented through seminars or directly involving authors by referring to an authoritative source (books/journals) and then published in the form of journals/articles/books and scientific magazines.



Figure 5. Writing Strategy Material

After the delivery of the first material, it was followed by a question and answer session. From this activity, it was seen that the participants were very enthusiastic in this session.

Furthermore, the 2nd speaker is a speaker from Narotama University Surabaya, who is also Mendeley Advisory.

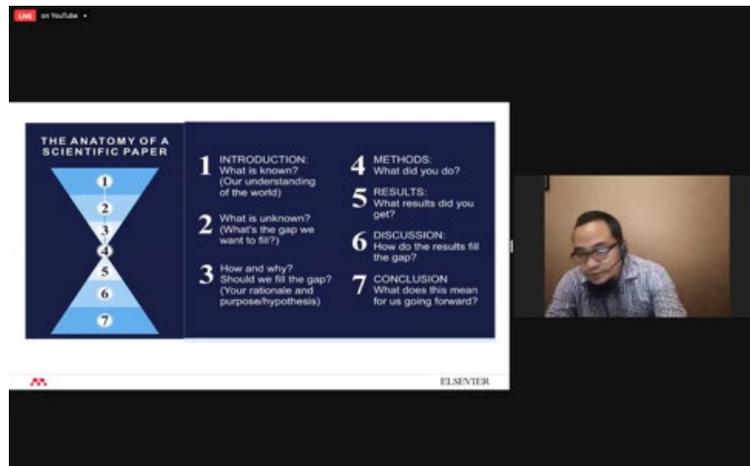


Figure 6. 2nd Speaker from Mendeley Advisory

In this 2nd material, training is carried out on how to use the Mendeley application. This session starts with the procedure for downloading the software and how to operate it. All participants were guided directly using their respective laptops, and simulations were carried out until the guidelines for citing journals and adding them to the bibliography.

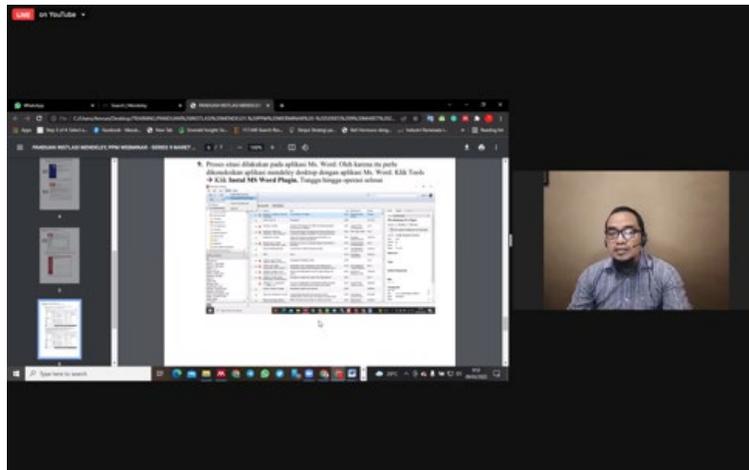


Figure 7. Mendeley Application Usage Simulation

Questionnaire Analysis

After all, participants were given training materials on the use of the Mendeley application, and all participants were given a questionnaire via the google form provided. Of the target participants, as many as 100 people, but the participants who attended this training were 150. The participant exceeded the target of the planned number of participants for this activity.

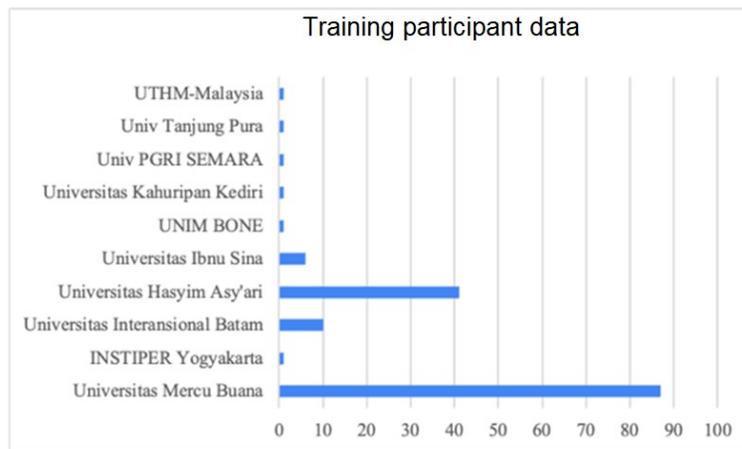


Figure 8. Trainee Graphics

Figure 8 above shows that most participants came from Mercu Buana University, with as many as 87 participants. From Hasyim Asy'ari University, as many as 41 participants and Batam International University, as many as 10 participants, followed by the Ibnu Sina University campus in Batam, UNIM Bone, INSTEPER Yogyakarta, University of Kahuripan Kediri, PGRI Semara, University of Tanjung Pura and UTHM-Malaysia.

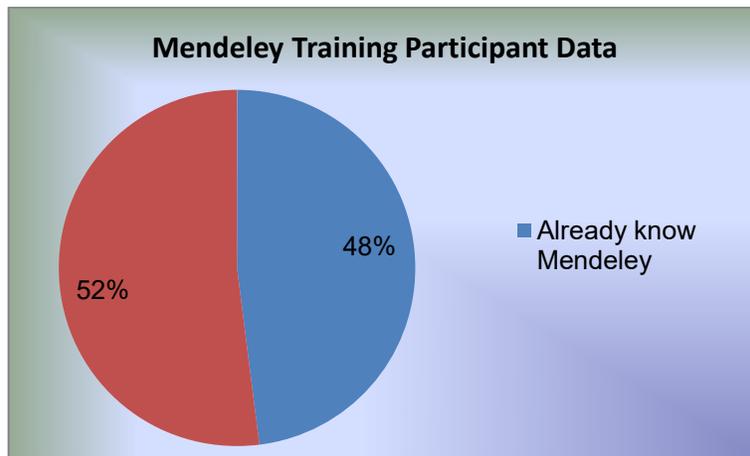


Figure 9. Participant Mapping

Referring to Figure 8 above, 52% of participants are not familiar with the Mendeley application at all, and 48% are already familiar with the Mendeley application.

Training Evaluation

Before the end of the training, an evaluation was held for all participants to find out the results of this activity.

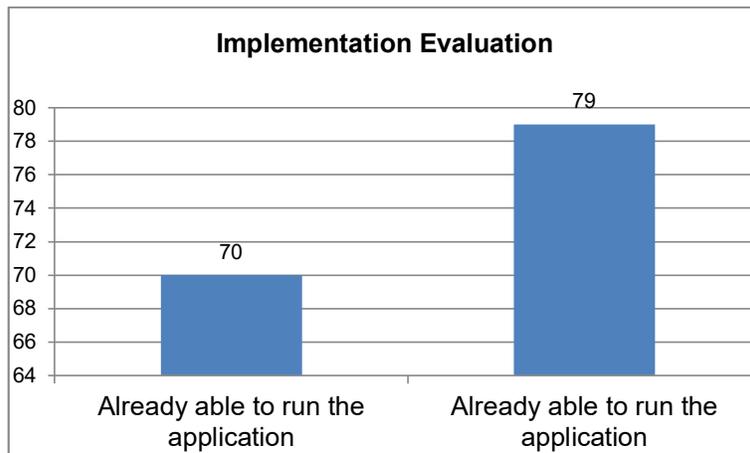


Figure 9. Training Evaluation Chart

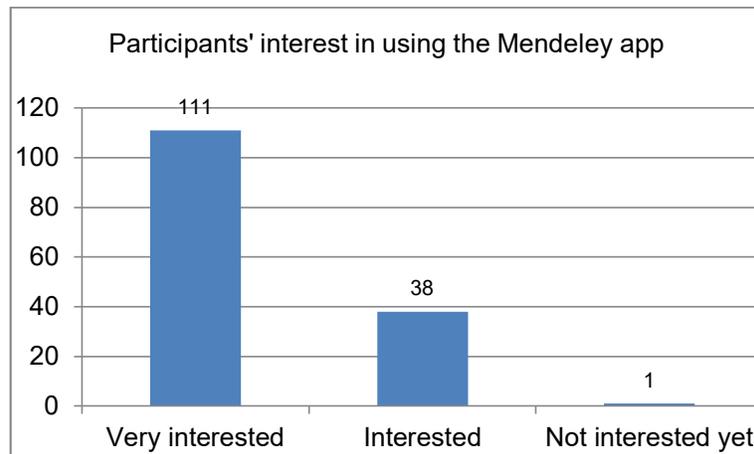


Figure 10. Graph of Participant's Interest in Using the Application

From the results of the evaluation of this training activity, it was found that there was an increase in the ability of participants who were previously unfamiliar with the application to now they are familiar with the application, with the achievement of 70% of participants being able to run the application and 79% are still in the process of installing the application. The participants' interest in using this application in the future shows that 111 participants are very interested, 38 participants are interested, and 1 participant is not yet interested in applying it.

It can be seen in the following table a recap of the results of the interest, importance and convenience of all participants in using the Mendeley application.

Table 1. Participant Responses to Using the Mendeley App.

No	Participant Response	Total
1	Very interested	111
2	Interested	39
3	Not Interested	1
4	Very important	56
5	Important	87
6	Not Important yet	7
7	Very helpful	90
8	helpful	59
9	Hasn't Helped	1

Referring to table 1 above related to the participant's response to the use of the Mendeley application, the results of a simple regression of the relationship between participant interest can be seen in Figure 11 below, and the results obtained are $y = -55x + 160.33$ with R^2 of 0.9691

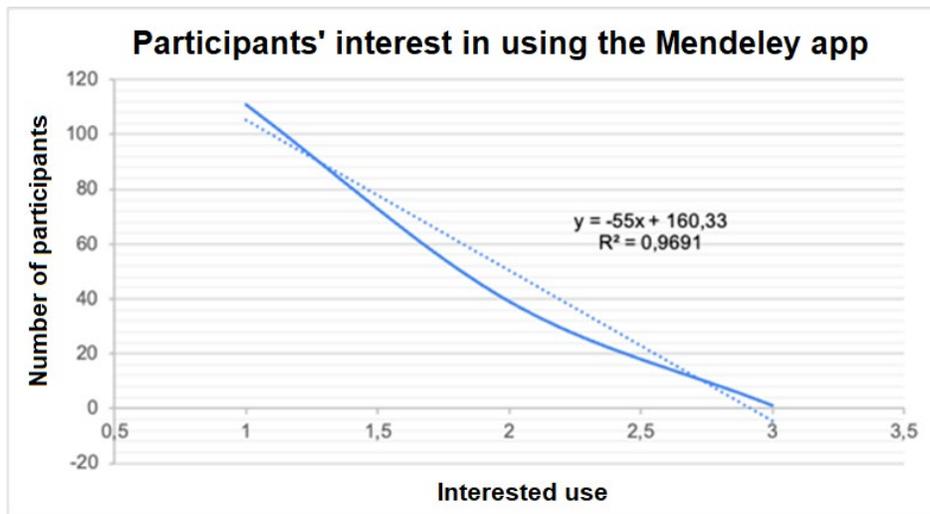


Figure 11. Graph of the Relationship of Participants' Interests with Application Usage

For the interests of participants in using this application, it can be seen in Figure 12 below; the results of a simple regression obtained are $y = -24.5x + 99$ with an R^2 value of 0.3689.

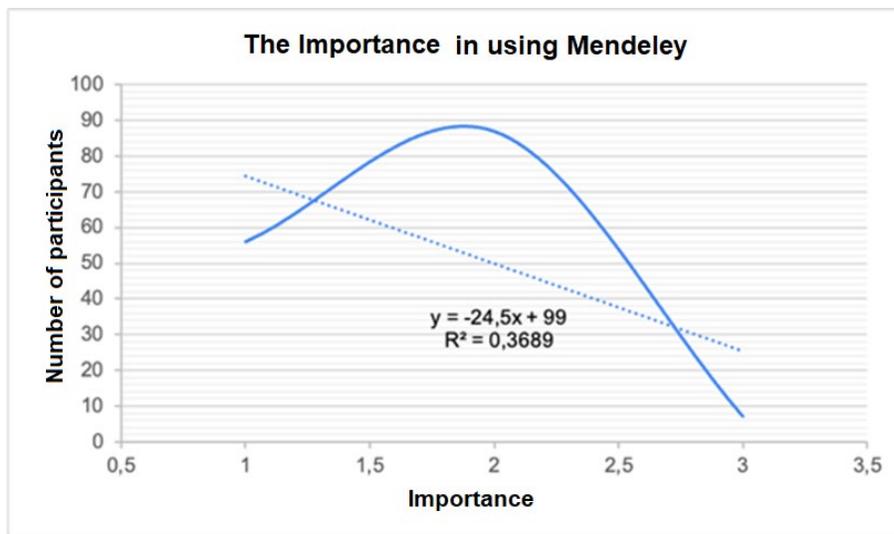


Figure 12. Graph of the Relationship of Participant Interests with Application Usage

Furthermore, the criteria for the ease of use of the application can be seen in the following simple regression results with a value of $y = -44.5x + 139$ with $R^2 = 0.9702$.

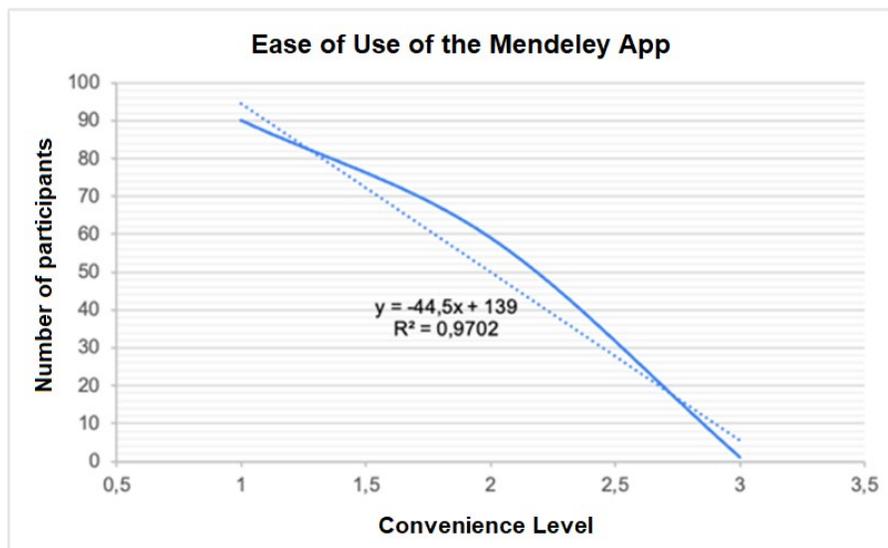


Figure 13. Graph of Participant Ease of Relationship with Application Use.

CONCLUSION

Based on the results and discussions in this activity, it can be concluded that this training was attended by 150 participants from 10 universities and one from the UTHM Malaysia campus. 52% of participants are unfamiliar with the Mendeley application, and 48% of participants are familiar with this application. The training evaluation results showed that 70.47% of participants were able to operate the application and 79.53% were still in the application installation stage. Responses from participants with nine indicators were obtained 111 participants were very interested, 69 participants gave critical answers, and 90 participants gave beneficial responses, with simple regression results showing participants' interest in using the application, $R^2 = 0.9691$, for good, $R^2 = 0.3689$, while for the ease of use of the application, the R^2 value is 0.9702.

Conflicts of Interest

There is no conflict of interest in the writing of this article, either between fellow authors or with outside parties as research partners or other parties who contribute

REFERENCES

- Biro Penelitian Pengabdian Masyarakat dan Publikasi. (2021). Buku Panduan Pengabdian Kepada Masyarakat Internal Tahun Anggaran 2021 / 2022. Universitas Mercu Buana.
- Briandana, R., Wahyudi, S., & RustonoMarta, F. (2022). Alih Teknologi Komunikasi: Aplikasi Konten Kreatif Melalui Drone Bagi Remaja Karang Taruna Tangerang. Pro Bono Jurnal Pengabdian Kepada Masyarakat, 02(01).
- Harared, N., & Iriyansah, M. R. (2021). Mendeley: Sitasi Dalam Penulisan Artikel Ilmiah Pada Jurnal Bereputasi. Aksiologi: Jurnal Pengabdian Kepada Masyarakat, 5(3), 381. <https://doi.org/10.30651/aks.v5i3.3511>

- Hidayat, A., Isradi, M., & Aly, S. (2019). Socialization of Good and True Trafficking of Madrasah Ibtidaiyah Daarul 'Ulum South Jakarta. *Iccd*, 2(1), 373–375. <https://doi.org/10.33068/iccd.vol2.iss1.234>
- Isradi, M., Hidayat, A., & Aly, S. (2019). Socialization of Mass Transportation in Madrasah Ibtidaiyah Nurul Hidayah Kecamatan Pancoran, Jakarta Selatan. *Iccd*, 2(1), 436–439. <https://doi.org/10.33068/iccd.vol2.iss1.177>
- Mardin, H., Baharuddin, B., & Nane, L. (2020). Pelatihan Cara Menulis Sitasi dan Daftar Pustaka Jurnal Format Apa Style Menggunakan Aplikasi Mendeley. *Jurnal Abdidas*, 1(3), 137–143. <https://doi.org/10.31004/abdidas.v1i3.37>
- Putra, Y. M., & Ghani, A. (2020). Pendampingan Penerapan Tata Kelola Usaha dan Pembukuan Berbasis Sak-Emkm Pada Sektor Usaha Kecil Di Kelurahan Meruya Selatan. *Jurnal Abdimas Bina Bangsa*, 1(1), 119–127.
- Somantri, O., Pratiwi, A. F., & Ikhtiangung, G. N. (2020). Workshop Pelatihan Manajemen Referensi dan Sitasi Untuk Karya Ilmiah Menggunakan Mendeley. *JAMAICA : Jurnal Abdi Masyarakat Program Studi Teknik Informatika Universitas Pamulang*, 2(1), 23–31.
- Syahrudin, S., Mandailina, V., Pramita, D., Rahmaniah, R., Rosada, R., & Negara, H. R. P. (2021). Peningkatan Kualitas Publikasi Mahasiswa Dan Sitasi Karya Ilmiah Dosen Melalui Workshop Manajemen Software Mendeley. *Community Development Journal : Jurnal Pengabdian Masyarakat*, 2(1), 8–13. <https://doi.org/10.31004/cdj.v2i1.1367>
- Wulandari, T., Lazuardi, S., Studi, P., Universitas, M., & Global, I. (2021). Pelatihan Mendeley dan Grammarly dalam Penulisan Riset bagi Mahasiswa di Kota Palembang. 4(1), 39–44.
- Yusdita, E. E., & Utomo, S. W. (2019). Pelatihan Pemanfaatan Mendeley Sebagai Reference Tool Pada Artikel Ilmiah Mahasiswa Pendidikan Akuntansi Unipma. *Jurnal ABDINUS : Jurnal Pengabdian Nusantara*, 3(1), 36. <https://doi.org/10.29407/ja.v3i1.13525>



© 2022 by the authors. Submitted for possible open access publication under the terms and conditions of the Creative Commons Attribution (CC BY SA) [Creative Commons Attribution-
BerbagiSerupa 4.0 Internasional](https://creativecommons.org/licenses/by-sa/4.0/).