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Training On The Application Of Mendeley Software In Writing Scientific Works For Elementary School Teachers

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Abstract

Mendeley is applied to create citations and bibliography in scientific works. Mendeley will really help students in completing assignments. Apart from the process being easy and saving time, using Mendeley can also prevent plagiarism. To overcome the problem of teachers not being able to create well-organized citations and bibliography, Mendeley Software training was carried out to improve the quality of scientific work. The approach used is in the form of training that is more about direct practice in the scientific work that is being prepared. This service activity is carried out offline according to the planned schedule. The number of participants who took part in this activity was 20 teachers who delivered material using the Mendeley application to help make references easily. Of the 20 students, 12 were new to the Mendeley application, and 3 had installed the application but did not understand how to use it and 5 had installed it and understood how to use it. From activities carried out via Zoom, teachers can already apply Mendeley. Teachers are able to make references easily using the Mendeley application. They are able to enter manually and enter PDF references for the articles used.

Keywords: *Guru Mendeley Software, Scientific Work, Teacher*

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PENDAHULUAN

Teachers' role is very important in the learning process, as well as advancing the world of education. The quality of students in the world of education is very dependent on the quality of teachers. Therefore, teachers must have competencies that are in accordance with national education standards so that they can carry out their duties and roles with good competency standards that result in students becoming knowledgeable human beings who have certain skills. Education is a conscious effort to prepare students through guidance, teaching and training activities to prepare them for a better life in the future (Jama, 2021). Parents entrust the school as an educational institution to educate their children to have skills and intelligence, as stated by Djollong, (2017) Teachers must be able to design learning that does not only touch cognitive aspects, but can also develop students' skills and attitudes. So teachers must be individuals who have rich experience and are able to transform that experience to students in varied ways.

Teachers are the spearhead of education. As educators, teachers must have certain competencies to be able to educate their students well. According to Law No. 14 of 2005 article 10 paragraph 1, the competencies that teachers must have include pedagogical competencies, personality competencies, social competencies and professional competencies obtained through professional education. The development of science and technology requires teachers as educators to continuously develop themselves so that their insight becomes broader so they can keep up with changes and developments in their profession which are based on developments in science and technology (Radjabaycolle, 2021). Teachers need to follow developments that occur in the world of education and teaching, especially matters relating to the implementation of their main tasks at school. As a figure who plays an important role in efforts to educate the nation, of course there are many activities aimed at improving the quality, respect and welfare of teachers in the hope that they will be better able to work as professionals in carrying out their duties and responsibilities as educators. One way is through the activity of writing scientific papers

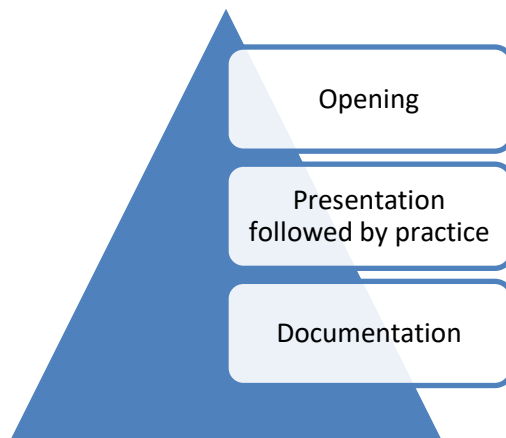
According to Noorjannah, (2018) Teachers can show that they are professional teachers by writing scientific papers, because one of the indicators of a professional teacher is being able to write scientific papers. The teacher's job is to convey knowledge. The knowledge conveyed by the teacher will be more useful if the delivery is also carried out through scientific writing because it can not only be enjoyed by the students, but also by the wider community (Hazmi, 2019). Teachers can also raise problems that arise in educational practice and find solutions to solve them through scientific writing. The problems and solutions outlined by the teacher in scientific writing can be more accountable to the teacher because the teacher himself experienced the problem. This is very different when compared to outside parties who raise problems in the educational environment based on only partial understanding, so that sometimes they do not correspond to actual reality. Writing scientific papers is a means of training logical, systematic, argumentative thinking, use of language and so on (Nafi, 2022). All the abilities that support the activity of writing scientific papers really support the teaching profession, both in the teaching and learning process and in discussing and solving problems.

Using Mendeley is very important in writing scientific papers because it makes it easier for academics to cite quotations and good reference management can minimize the occurrence of plagiarism. Mendeley is a reference management software and academic social network that can help you organize research, collaborate with other researchers online and find the latest research publications (Sudirman & Upa, 2021). Mendeley is an open source-based reference management software that can be obtained for free and supports various platforms such as Microsoft Windows, Apple MacOS, and Linux. The latest version of Mendeley even supports the Android operating system, so this device can be used on cellphones. Mendeley is a combination of a desktop application and website that can be used to manage, share, and search for references and contacts (Perdana, 2020). Therefore, Mendeley is a necessity in the citation and bibliography process. With Mendeley as a reference manager tool, it is highly recommended for creating quotations and making it easier to create bibliography automatically.

METODE

In order to overcome the problem of teachers not being able to create well-organized citations and bibliography, Mendeley Software training was carried out to improve the quality of scientific work. The approach used is in the form of training that is more about direct practice in the scientific work that is being prepared.

Training activities will be held at Pontianak State Elementary School on November 6 2023 starting at 10.00 WIB to 13.00 WIB with the target of training participants being able to use Mendeley software. The activities carried out are as follows:



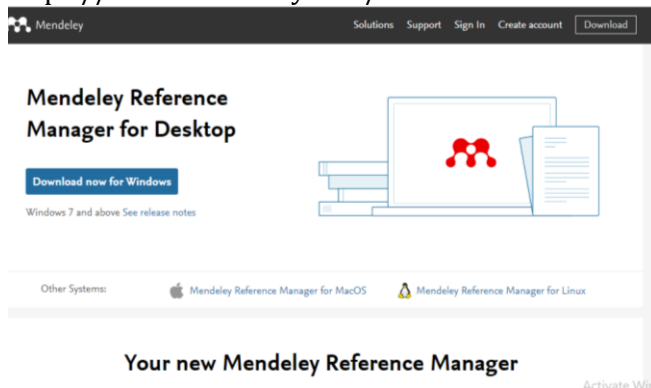
HASIL DAN PEMBAHASAN

Presentation

Mendeley is a computer program developed by the publishing company Elsevier to manage research papers and search for research data. Mendeley is also often used to create citations and bibliography in scientific works. Mendeley will really help students in completing assignments. Apart from the process being easy and saving time, using Mendeley can also prevent plagiarism

Here are the steps to download Mendeley for free:

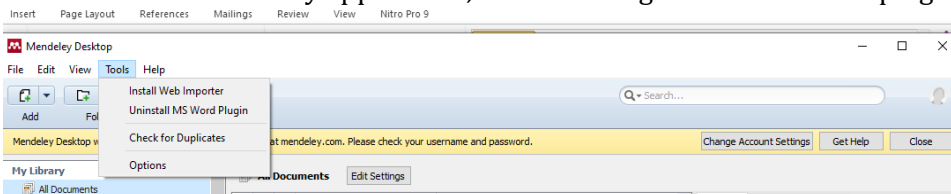
1. Download the Mendeley app and visit the official Mendeley page at <https://www.mendeley.com/download-reference-manager/windows>



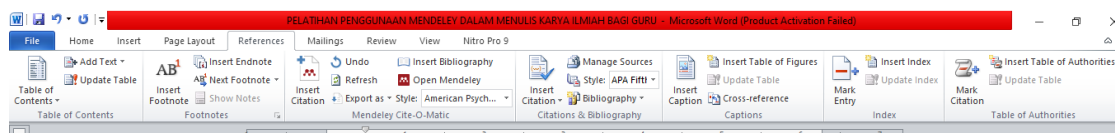
2. Register using your email account and complete your personal data.
3. When finished, click 'Register'

Here are the steps to connect Mendeley to Microsoft Word:

1. Open the Mendeley application.
2. Log in using your email and password.
3. After logging in, the Welcome window will appear in Mendeley.
4. Click "Install MS Word plug-in" to connect Mendeley with MS Word. Make sure you don't have the Word application open when doing this step.
5. If the Welcome window does not appear, you can take alternative steps by accessing the "Tools" menu in the Mendeley application, then selecting "Install MS Word plug-in".



6. Open MS Word to check if Mendeley is connected. You can do this by clicking on the "References" tab.



7. Mendeley is ready to use in MS Word

Following are the steps for entering data into writing:

Collect the journals you want to use as references in PDF format. Open the Mendeley application, click "Create Folder" to create a new folder. In the right pane of the folder, right click and select "Add Files", then select PDF as the reference that has been collected.

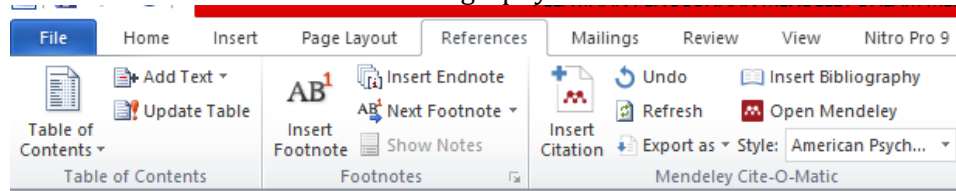
Sync newly inserted PDFs so they can be directly connected to MS Word when searching for them. To do this, click "Sync" under the menu. Once successful, check the reference information again such as author details and others.

Here are the steps to Create an Internet Reference:

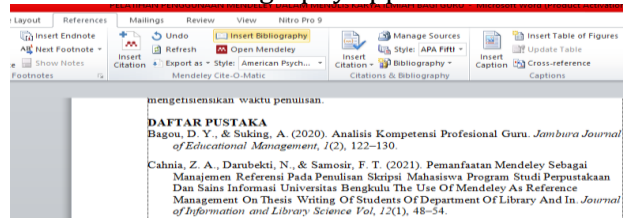
1. Open the Mendeley application.
2. Click "File" and select "Add Entry Manually".
3. Enter the required data such as title, author, year, website link, etc.
4. Before filling in the required data, make sure you select the article type as "Web Page".
5. Click "Save" to save references from the internet.
6. Sync the references you have saved with MS Word.
7. Enter the citation and bibliography by clicking the "References" tab.
8. Use "Insert Citation" to insert citations, and "Bibliography" for bibliography. Don't forget to change the citation style and bibliography according to the writing requirements requested

Automatically Create a Bibliography in Mendeley:

1. Create a special page for the bibliography.
2. Click "References" and select "Bibliography".



3. Wait until the bibliography appears



Activities

This service activity is carried out offline according to the planned schedule. The number of participants who took part in this activity was 20 teachers who delivered material using the Mendeley application to help make references easily. Of the 20 students, 12 were new to the Mendeley application, and 3 had installed the application but did not understand how to use it and 5 had installed it and understood how to use it. From activities carried out via Zoom, teachers can already apply Mendeley. Teachers are able to make references easily using the Mendeley application. They are able to enter manually and enter PDF references for the articles used. Apart from that, book references are also taught to teachers so that they are also able to enter book reference data.



Figure 1. Activities

In this activity the teachers were very enthusiastic about participating in the training. When the material started about using the Mendeley application in writing bibliography and citing the teachers were very focused on paying attention. Indicators can be seen from the 20 teachers who took part in the Mendeley training, 17 teachers seemed to pay attention to the material presented by the resource person. This is because they have never used Mendeley in citing or writing a bibliography. The Mendeley application makes it easier for writers to manage bibliography lists (Cahnia et al., 2021). Then the teachers looked enthusiastic in installing the Mendeley application. Then use it in citing using Google Scholar. First, the team taught how to download the Mendeley application, then install it. Second, enter a list of books and journals for literacy both manually and online. Third, quoting using Mendeley in writing. Fourth, insert a bibliography automatically from the quotation results. Mendeley can manage bibliography lists directly connected to Google Scholar. Using the Mendeley application can increase participants' knowledge and skills in writing scientific papers.

The next stage was to open a question-and-answer session with the teachers, many asked about how to quote, how to insert quotations, how to write a bibliography and search for literacy online. Finally, distribute surveys to evaluate the activities carried out. The survey results show that teachers' skills have increased in writing scientific papers. The teachers want similar activities to be held again with different themes.

The output achieved in this activity is increasing teacher skills in using Mendeley in citing literacy both manually and online. As a result, teachers can use the Mendeley application properly and correctly so that it can support scientific writing activities. With these skills it will be easy for teachers to search for literacy and make it easier to write bibliography automatically. Teacher skills must continue to be improved to support professional competence (Bagou & Sukung, 2020). The plan for the stages after this community service activity is that we will carry out this activity in another place with material improvements in accordance with the aspirations of the teachers.

SIMPULAN

The impact resulting from this activity is that the participants gain new experience and knowledge from the workshop on using Mendeley in writing scientific papers which can be applied in publications, and can be integrated into learning that is in line with current developments. From the activities carried out, the teacher was able to apply Mendeley. Teachers are able to make references easily using the Mendeley application. They are able to enter manually and enter PDF references for the articles used. Apart from that, book references are also taught to teachers so that they are also able to enter book reference data. Using the Mendeley desktop application is the right method for writing citations in scientific papers to save writing time.

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