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Mendeley Reference Management Training in Writing Scientific Papers

[1)]Bobby Sefrinando,[2)]Salahuddin, [3)]Edi Rozal, [4)]Hasirah, [5)]Aris Munandar, [6)]Fadli Habibi*, [7)]Khoirul Anwar

[1)]Physics Education , UIN Sulthan Thaha Saifuddin, Jambi, Indonesia
[2)]Biology Education, UIN Sulthan Thaha Saifuddin, Jambi, Indonesia
[3)]English Education, UIN Sulthan Thaha Saifuddin, Jambi, Indonesia
[4,5,6,7)]Islamic Religious Education, Faculty of Tarbiyah and Teacher Training, Sulthan Thaha Saifuddin State Islamic University Jambi

Emails: [4)]ahmadansori@uinjambi.ac.id*

ARTICLE INFORMATION

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ABSTRACT

Pelatihan manajemen referensi mendeley dalam penulisan karya ilmiah melalui kegiatan Pengabdian Kepada Masyarakat (PKM) ini bertujuan untuk melatih mahasiswa program study Perbankan Syariah, Hukum Ekonomi Syariah, dan Ekonomi Syariah STIE Syari'ah Al-Mujaddid Tanjung Jabung Timur menggunakan aplikasi Mendeley dalam penulisan karya ilmiahnya agar sesuai dengan etika penulisan karya ilmiah. Pengabdian ini melibatkan seluruh mahasiswa semester VII (Tujuh) yang diwajibkan dengan pembuatan karya ilmiah sebagai tugas akhir guna menyandang gelar sarjananya. Kegiatan ini dilakukan dengan menggunakan metode observasi, ceramah, praktek, dan evaluasi. Metode observasi dilakukan untuk menggali pengetahuan mahasiswa tentang aplikasi Mendeley sebelum pelatihan dilakukan, metode ceramah dilakukan untuk menyampaikan materi mengenai aplikasi Mendeley, praktek dilakukan untuk memberi pelatihan kepada mahasiswa mulai dari penginstalan aplikasi mendeley hingga pada pengoperasiannya, evaluasi dilakukan untuk mengukur pengetahuan siswa setelah kegiatan pelatihan selesai dilaksanakan. Adapun hasil dari kegiatan ini yaitu peserta mendapatkan pengetahuan mengenai cara penulisan sitasi dan daftar pustaka secara otomatis pada karya ilmiah sesuai format APA style 7, peserta juga memperoleh skill cara membuka akun dan mengoperasikan software Mendeley Microsoft office word baik yang berbasis Mendeley dekstop maupun Mendeley web.

Keywords:
Training
Reference Management
Mendeley
Scientific Papers Writing
Cummunity Service

ABSTRACT

Mendeley reference management training in writing scientific papers through Community Service (PKM) activities aims to train students of the Islamic Banking study program, Sharia Economic Law study program, and Sharia Economics study program at STIE Syari'ah Al-Mujadi'ah Al-Mujadi'ah Tanjung Jabung Timur to comply with the ethics of writing scientific papers when using the Mendeley application. All students in semester VII (Seven) who are required to produce scientific papers as their bachelor's thesis participated in this service. This activity was conducted utilizing observation, lecture, practice, and evaluation. The observation method was used to assess students' knowledge of the Mendeley application prior to the training activity, the lecture method was used to convey information about the Mendeley application, the practice method was used to train students on the Mendeley application from installation to operation, and the evaluation method was used to assess students' knowledge after the training activities were completed. held. The outcomes of this activity are that participants gain knowledge on how to write citations and bibliographies automatically on scientific papers using the APA style 7 format, as well as skills on how to open an account and operate Mendeley Microsoft office word software, based on both Mendeley desktop and Mendeley web.

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I. PRELIMINARY

A bachelor's degree is one of the goals that students want to achieve in studying at a university. To get this degree, there are many processes that students must do, including making scientific work or final assignments.

Scientific writing is a written work that must be done in a coherent and systematic way following scientific rules that are made to solve a problem based on scientific theory and methods, writing scientific papers must be based on ethics and norms that apply to researchers and academics (Hamda et al., 2020).

In writing scientific papers, the reference system (citation) and the preparation of a bibliography are two important elements that must be considered in writing (Mardin et al., 2020). In writing scientific papers, including a bibliography is something that must be done to avoid plagiarism. In writing scientific work, students cannot be separated from references, there will be many references that will be used in making the paper. Of course it will be difficult for us to make a bibliography manually (Prime, 2020). The system of citing and compiling a bibliography has now undergone changes, from initially using a manual system to being automated using various applications.

Falah (2019) suggests that Mendeley is an application that can be used in making citations. This citation is usually used when writing various scientific works, one of which is a thesis. By using Mendeley, it will be easier for us to retrieve sources and contents from scientific journals, either manually or automatically. Mendeley is an application that can be downloaded without paying and can be used freely (Katchanov et al., 2019).

Management of citations and article references from various scientific journals must be mastered by students in order to produce good scientific work. One of the desktop-based applications that can be used to manage article citations and references is Mendeley (Ngibad, 2020). The Mendeley application was selected based on its ease of use and more complete features compared to similar applications (Mardin et al., 2020). This can be seen in several community services that have been carried out by Anwar, 2021;Windarto et al., 2018;Hidayatullah et al., 2022;Aransyah et al., 2021; and Faisal et al., 2020); who argued that students are able to make better and maximal citations and bibliography by utilizing the Mendeley application.

Several studies that have been conducted by previous researchers have focused more on the use of Mendeley in making citations and bibliography only. In the service carried out by the service team, the team tries to offer a little renewal, where this service does not only discuss making citations and bibliography, but using Mendeley by entering references to the application either through add files or entering references to the application manually.

Given how important the training carried out by the student service team can certainly improve the quality of scientific work of STIE Syari'ah Al-Mujaddid Tanjung Jabung Timur students, especially in writing theses and scientific articles. The community service activities carried out by the service team were welcomed by the campus because the Reference Management Training using the Mendeley application is a requirement that must be adjusted by students in making their scientific work. As we know, Mendeley application is an application that can make it easier for students to cite and create bibliography automatically.

Based on the description above, this training was conducted with the aim of increasing knowledge and skills in using the Mendeley application in writing scientific papers for students of Islamic Banking study program, Islamic Economics Law study program, and Islamic Economics study program at STIE Syari'ah Al-Mujaddid Tanjung Jabung Timur.

II. PROBLEM

Before carried out the PKM, the PKM team first announced the activities to be carried out through social media and directly contacted STIE Syari'ah Al-Mujaddid. From the discussion results of the community service implementation team with STIE Syari'ah Al-Mujaddid, information was obtained that the basic problems faced by STIE Syari'ah Al-Mujaddid students included: students of STIE AL-Mujaddid Tanjung Jabung Timur has not been able to operate the Mendeley software. In addition, students are not yet capable of installing the MS Word Plugin, making citations and bibliography using the Mendeley application, and manually entering metadata of articles, proceedings, books, and others.

Based on the problems above, the PKM team needs to conduct Mendeley training for students of Islamic Banking study program, Islamic Economics Law study program, and Islamic Economics study program at STIE Syari'ah Al-Mujaddid Tanjung Jabung Timur. This training was held on Sunday, November 13, 2022 at the STIE Syari'ah Al-Mujaddid Tanjung Jabung Timur Foundation Building. This community service activity was carried out with the theme "Mendeley Reference Management Training in Writing Scientific Papers".

Figure 1. STIE Syari'ah Al-Mujaddid Tanjung Jabung Timur

III. METHOD

This service activity was carried out for semester VII students, totaling 30 students from the study programSharia Banking Program, Syari'ah Economic Law Program, and Islamic Economics Program and was attended by 10 lecturers from STIE Syari'ah Al-Mujaddid Tanjung Jabung Timur. This training activity is carried out through several stages as shown in the following figure:

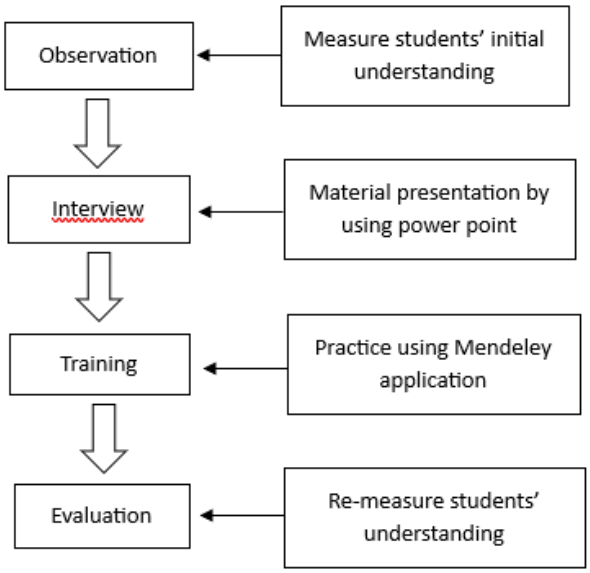


Figure 2. Flow of Community Service Activities

The method used in the implementation of Community Service (PKM) was using the observation method by looking directly at and asking students directly how far students understand the use of the Mendeley

application. Furthermore, with the lecture method which was directly delivered by the service team through power point about making citations and bibliography as well as using Mendeley by entering references to the application either through adding files or entering references to the application manually. Furthermore, the training method, the activities carried out in this training included software installation, synchronized the Mendeley program with Ms. Word, entered references into Mendeley, created citations and bibliography automatically, added files or enter references to the application manually and changed the writing style. The last method was the evaluation of the activities carried out to determine students understanding after completing the training.

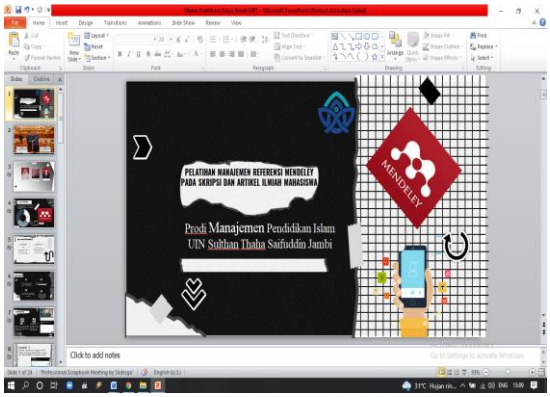
IV. RESULTS AND DISCUSSION

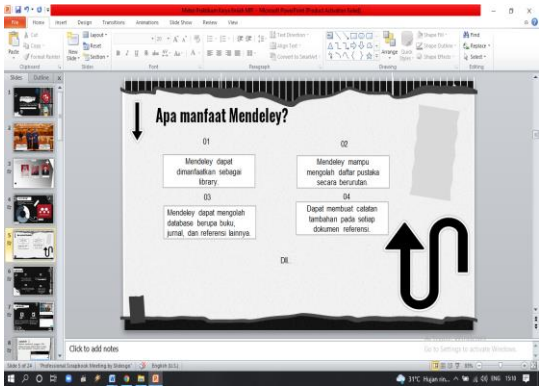
Before the training began, participants were asked to fill in the attendance list and installed mendeley application on their laptop. Participants were all students of VII (Seven) semester of Islamic Banking study program, Islamic Economics Law study program, and Islamic Economics study program at STIE Syari'ah Al-Mujaddid Tanjung Jabung Timur. This training was carried out through four stages, namely as follows:

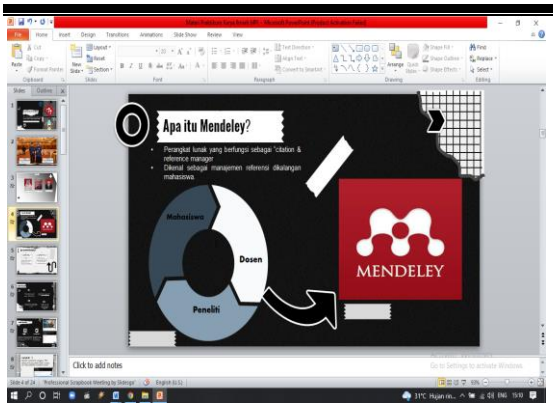
In the initial stage, the service team asked the students a number of questions through interviews at the beginning of the training before the presenters explained the material. The following were questions from the service team for students of the Islamic Banking study program, Islamic Economics Law study program, and Islamic Economics study program STIE Syari'ah Al-Mujaddid Tanjung Jabung Timur.

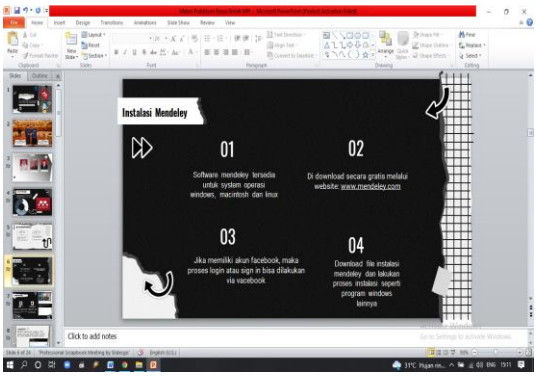
1. What is Mendeley application?
2. How do you find, cite, and include references quickly?
3. Would you be able to if you were assigned to operate Mendeley in citing 25 journals as reference material in writing scientific papers that you would submit?

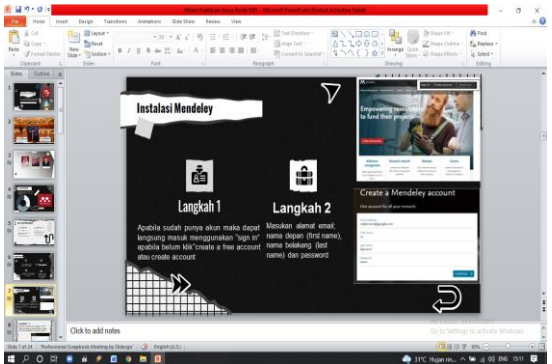
The second stage was delivered the material carried out by the service implementation team used power points regarding the themes discussed by the service team such as the introduction of Mendeley, the benefits of Mendeley, guidelines for using Mendeley, Download reference managers and starting using Mendeley.

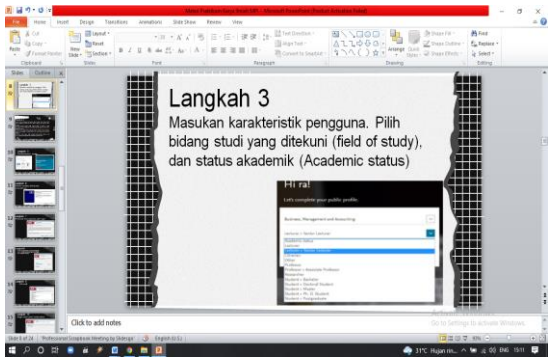


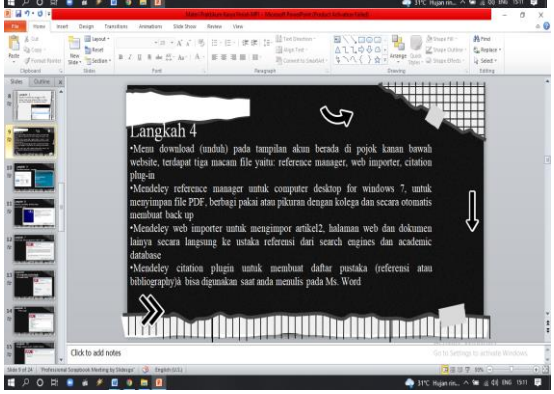


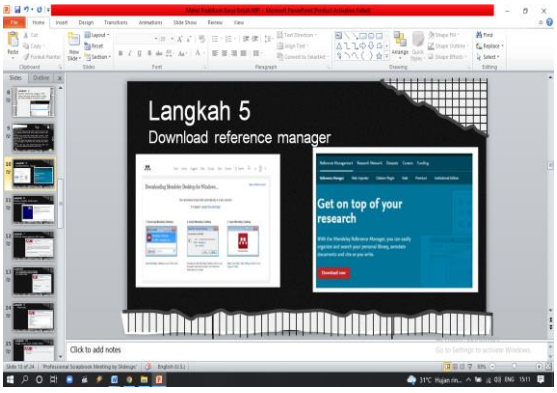

Apa itu Mendeley?
Mahasiswa
Dosen
Peneliti
MENDELEY

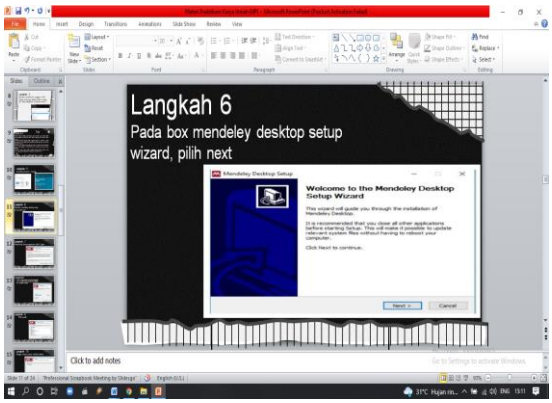

Instalasi Mendeley
01
Software mendeley tersedia untuk system operasi windows, macintosh dan linux
02
Di download secara gratis melalui website www.mendeley.com
03
Jika memiliki akun facebook, maka proses login atau sign in bisa dilakukan via viacebook
04
Download file instalasi mendeley dan lakukan proses instalasi seperti program windows lainnya

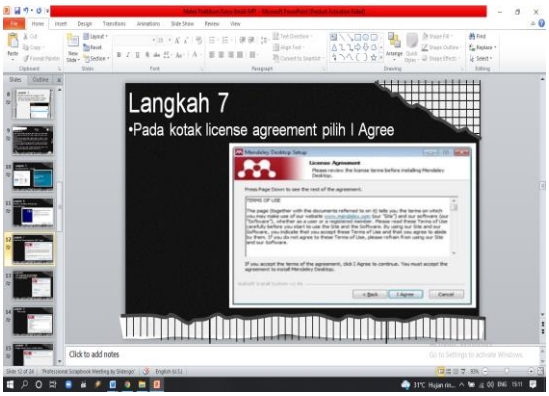

Instalasi Mendeley
Langkah 1
Apabila sudah punya akun maka dapat langsung masuk menggunakan "sign in" apabila belum klik"create a free account atau create account
Langkah 2
Masukan alamat email, nama depan (first name), nama belakang (last name) dan password
Create a Mendeley account

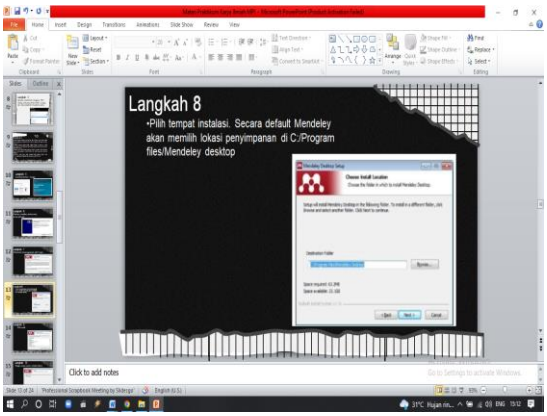

Langkah 3
Masukan karakteristik pengguna. Pilih bidang studi yang ditekuni (field of study), dan status akademik (Academic status)

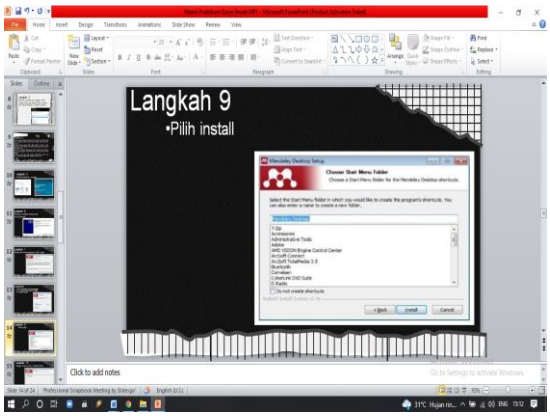

Langkah 4
•Mem download (unduh) pada tampilan akun berada di pojok kanan bawah website, terdapat tiga macam file yaitu: reference manager, web importer, citation plug-in
•Mendeley reference manager untuk computer desktop for windows 7, untuk menyimpan file PDF, berbagi pakai atau pikuran dengan kolega dan secara otomatis membuat back up
•Mendeley web importer untuk mengimpor artikel2, halaman web dan dokumen lainya secara langsung ke ustaka referensi dari search engines dan academic database
•Mendeley citation plugin untuk membuat daftar pustaka (referensi atau bibliography)à bisa digunakan saat anda menulis pada Ms. Word

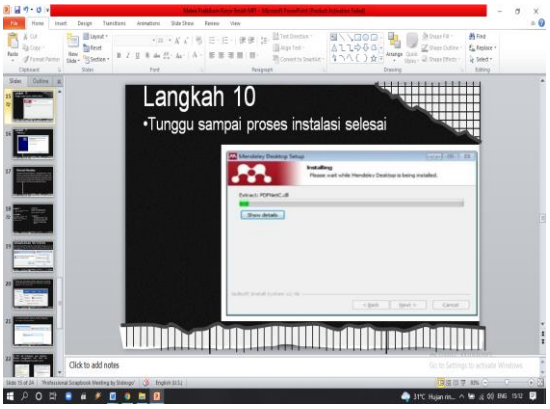

Langkah 5
Download reference manager
Get on top of your research


Langkah 6
Pada box mendeley desktop setup wizard, pilih next
Welcome to the Mendeley Desktop Setup Wizard


Langkah 7
•Pada kotak license agreement pilih I Agree







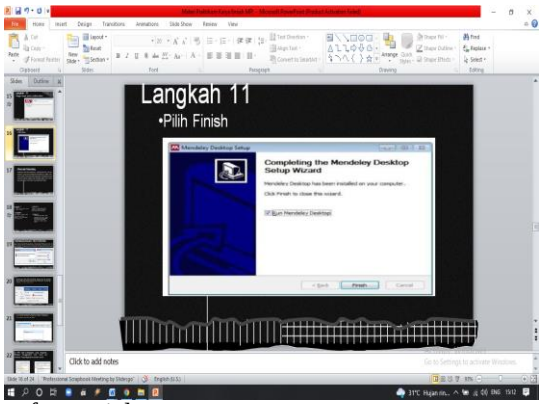


Figure 3. Presentation of material

The third stage was training and practice, in the first practice, each student was given instructions to install the Mendeley application, both in the form of the web importer version of the Mendeley application and the desktop version of Mendeley. First, each student opened a browser either in Mozilla or in Chrome by typing in a webside search https://www.Mendeley.com. After that, students were welcome to fill out account registration and downloaded Mendeley Desktop. If it had been downloaded, students were directed to log in. If the Mendeley application cannot be installed via the website, the dedication team had prepared the Mendeley application which had been stored on a flashdisk and distributed to each student.

Second, After students logged in to the account, each student was directed to operate the Mendeley web application and operated the Mendeley desktop by synchronizing Mendeley on Microsoft Word through directions given by the service team. Third, each student was given directions to search for and enter several references manually either via the add file menu or via the add folder by sliding the journals that have been downloaded by students, transferred to the Mendeley application library and placed on the page provided in

Mendeley's application. Fourth, each student also searched and entered references automatically via Google Scholar in the form of Literature Search, Google Books. Fifth, In addition, each student was directed to find and enter references automatically by selecting various journal literature according to the required field. After the journal you were looking for has been found, each student clicked add to Mendeley so that the selected journal can be found in Mendeley's library.

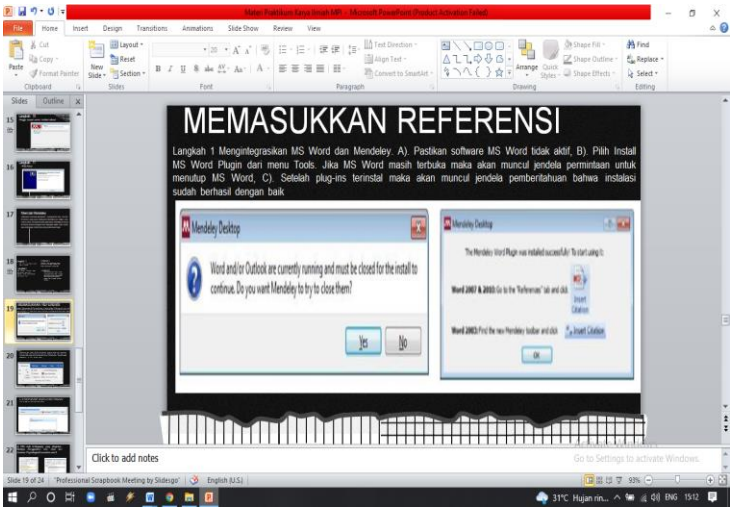


Figure 4. Entering references to the Mendeley application

Sixth, each student was directed to make a citation automatically by opening a file in the journal by opening Microsoft Word then clicked on References and Inserted Citation, after that the student was directed to the next stage by clicking the column search by author and entering the reference used by each each student, then the student was directed to click OK.

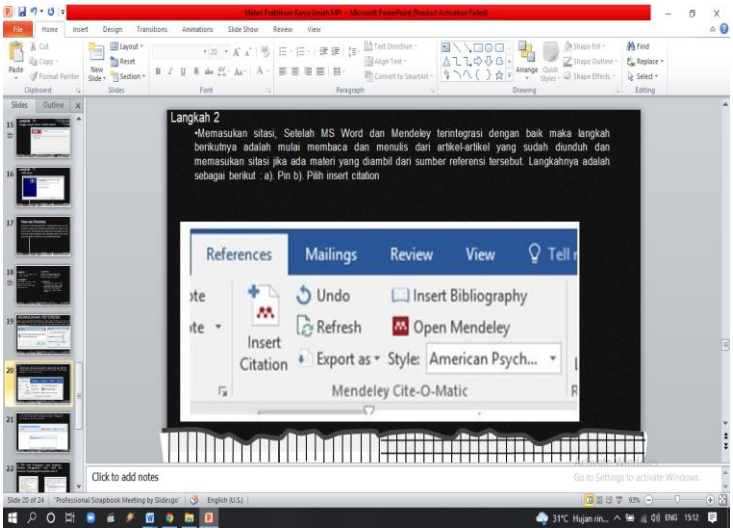


Figure 5. Generating quotes automatically

Seventh, next each student was directed to create a bibliography automatically by clicking Insert Bibliography in the options listed in References.

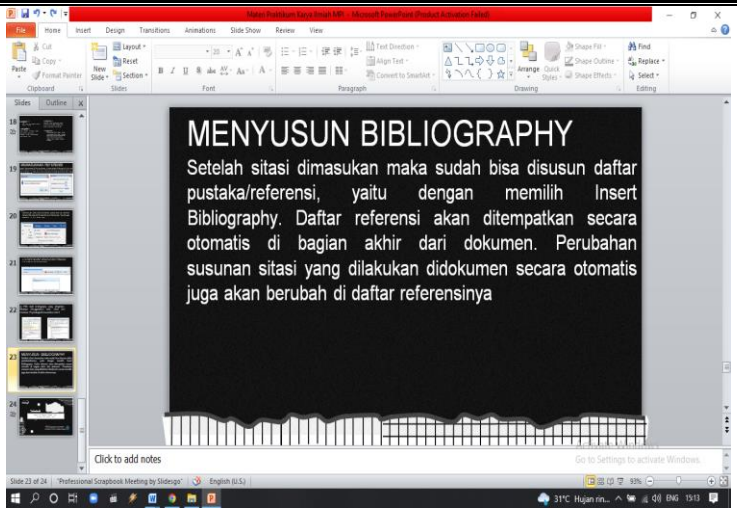


Figure 6. Entering an automatic bibliography

Eighth, students were able to enter references both through add files and enter references by manually making references in the Mendeley application.

The fourth stage was activity evaluation, after the presenters have finished delivering the material and training with the help of the service team, each student who attended the activity will be interviewed again to measure the extent to which students can understand and at the same time be able to use the Mendeley application in making their scientific work.

In its implementation, each student who took part in the training was directed directly by the service team through the initial stages in the form of being asked how far students know about the use of reference management using the Mendeley application. From the results of observations made by the training implementation team, it was found that almost 90% of students did not understand the use of the Mendeley application and its benefits in making scientific work, whether in the form of finding journals to use as references and entering references and citations using the Mendeley application. After students were given material and directions during practice in operating reference management using the Mendeley application, each student feels 100% able to operate the Mendeley application, both in the form of web and desktop. Apart from that, each student is also able to search and enter references that suit their needs, both making citations manually and making citations automatically. In making a bibliography, each student no longer finds it difficult to make a bibliography, simply by clicking Insert Bibliography, the bibliography will be arranged alphabetically according to the alphabet. Of course, in making this bibliography, you also have to pay attention to the right alignment and left alignment so that it looks neat.

Reference management training using the Mendeley application in writing student scientific work is certainly considered important by students of the Islamic Banking study program, Islamic Economics Law study program, and Islamic Economics study program at STIE Syari'ah Al-Mujaddid Tanjung Jabung Timur. Given the change of regulations in making citations to scientific works such as theses which were previously done manually, now it can be done automatically using the Mendeley application which is basically a solution to make it easier for students to make citations and bibliography of their scientific works. Lately there have been found students who are still cheating in making their scientific work so that plagiarism is detected (Heryana, 2018). The cheating was carried out unintentionally due to a lack of student knowledge, or on purpose. With the reference management training through the use of Mendeley's application, it can help students in good and true quoting for the perfection of writing their scientific papers and avoiding plagiarism.

V. CONCLUSION

Community Service (PKM) which was held on November 13, 2022 with the theme Mendeley Reference Management Training in Writing Student Scientific Papers was in accordance with the planned

objectives. In its implementation, each of the students already knows what the Mendeley application is and the use of the Mendeley application in making references. Mendeley's reference management training certainly makes it easy for students to write their Theses and Scientific Articles. Based on the results of the training that has been provided by the service team by providing training materials to students, it can be seen that each of the students is 100% able to operate the Mendeley Web and Mendeley Desktop applications. Whether it's in the form of searching, entering references, automatically and manually generate citations and build bibliography, all done in a short time and easily. From the results of observations made by the service team, that by carrying out the Mendeley reference management training, students felt interested in the material presented by the resource persons so that many students played an active role in asking questions about the use of Mendeley applications both web-based and desktop. Therefore, it is necessary to hold further and continuous coaching in providing training to students, especially semester VII students of the Islamic Banking study program, Islamic Economics Law study program, and Islamic Economics study program.

ACKNOWLEDGEMENT

Community Service (PKM) would like to thank the Chairperson and secretary of the Islamic Educational Management Study Program, Islamic Religious Education, Physics Education Program, Biology Tadris Education Program, English Education Program who have supported this activity, and the Dean of the Tarbiyah and Teacher Training Faculty of UIN Sulthan Thaha Saifuddin Jambi who has gave us permission to do this Community Service (PkM) activity. Furthermore, we would also like to thank VII semester students of the Islamic Banking Study Program, Islamic Economic Law Program and Islamic Economics Program along with lecturers and other parties from STIE Syari'ah Al-Mujaddid Tanjung Jabung Timur who participated in the success of the activities we carried out.

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