

## Socialization of the Utilization of Google Drive as an Online Storage Medium for Health Workers in Health Facilities

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### ABSTRACT

Google Drive is a free storage service provided by Google, where users can store files and access them anytime as long as their devices are connected to the internet. Google Drive can store various types of files such as documents, photos, audio, videos, and more. It offers 15GB of free storage capacity. With all its advantages, not all health workers are able to utilize Google Drive optimally. Conducting training on the use of Google Drive as an online storage tool for healthcare workers in health facilities is an essential step to ensure that all staff understand and can effectively use this technology. Besides boosting the productivity of healthcare workers, using Google Drive also allows them to provide better healthcare services to patients. This training will be conducted at the Kuranji Health Center in Padang over 2 days, consisting of both theoretical and practical sessions. The training was carried out successfully, and participants were able to learn about Google Drive and how to use it. The training participants included all health center staff who were not on active duty, such as medical record officers, pharmacy staff, midwives, doctors, and the head of the health center. Out of the 15 pretest questions related to Google Drive, the participants' average score was 69.55. After participating in the activity, their average score increased to 86.56. This indicates that the training conducted was effective in broadening the participants' understanding of Google Drive and the significant benefits offered by this Google service. In the future, it is hoped that similar training can be conducted with a longer duration.

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## INTRODUCTION

The advancement of science and technology today has provided ease and convenience in completing various daily tasks. In the modern digital era, information technology has become an integral part of the health sector. One of the most important innovations is the use of cloud storage, which allows online data storage and management. Cloud Computing itself is a relatively new paradigm in distributed computing that introduces various ideas, concepts, technologies, and architectures with a service-oriented approach (Kurniawan, 2015). Cloud computing offers various services, with the main service being online data storage. This technology plays a role behind the scenes in our daily activities, such as watching movies, playing games, sending emails, listening to music, and so on. Through cloud computing, we can store, restore, and back up data, develop new applications, provide software on demand, host websites, and so on. Users can access cloud services dynamically via the internet whenever needed (Senthil et al., 2019). One of the cloud computing service providers that offers online storage space is Google. The online storage services provided by Google can be used for free, although the capacity is limited. Google Drive is a free service provided by Google that allows users to store files online and access them from any device with the help of cloud computing technology. In addition, Google Drive also provides free access to various web-based applications, such as documents, spreadsheets, presentations, and others (GCF, n.d.). Several studies related to Google Drive have been carried out previously, including the Implementation of Google Drive as a Storage Media for Lecture Materials in Supporting Mobile Applications (Warsito & Yuliandini, 2017), Implementation of Google Drive Learning Media in Indonesian Language Learning (Fatria, 2018), Utilization of Google Drive Services to Run Electrical Equipment Control Applications Using USB Comm Port (Oktaviandi et al., 2015) and many other studies related to Google Drive. Health workers in health facilities, should be able to utilize this online storage media to facilitate work and storage.

Google Drive is one of the services used for storage owned by Google, Inc. since April 2012 (Trilaksono, 2020). Google Drive is a free storage service provided by Google which allows you to store files and access them at any time as long as the device is still connected to the internet (Ni'matussholiha, 2016). Google Drive makes it easy for users to access data digitally whenever needed, either via computer, laptop, or cellphone. Google Drive as a storage platform that offers an efficient solution for health workers in managing important information and documents in health facilities. Google Drive can store various types of files such as documents, photos, audio, videos and so on. Google Drive provides a storage capacity of 15GB for free. In addition to having the function of storing data online, Google Drive also has many other functions such as being able to create documents (google documents), being able to process data and numbers (google spreadsheets), being able to create presentations (google slides), being able to create forms (google forms), and other documents (Yoedono & Wahyono, 2022).

With the ability to store various document formats, share information in real-time, and maintain data security, Google Drive is a very useful tool in managing medical information. However, not all health workers in health facilities can use Google Drive optimally, this is because there is no education about Google Drive for these health workers

## Problem Solution

The socialization of the use of Google Drive as a cloud-based storage tool for health workers in health facilities is an important step to ensure that all staff understand and can utilize this technology optimally. With this socialization, it is hoped that it will increase productivity and can support better quality health services for patients (Suherman et al., 2023).

Thus, it is important to educate health workers about the benefits and how to use Google Drive, as well as provide the necessary training so that they can quickly adapt to this technology. Successful implementation

will contribute to improving the overall performance of health facilities. Through this activity, it is expected that all health workers at the Kuranji Health Center can understand how to store large capacity data through Google Drive.

## METHOD

### Time and Place of Activities

The PKM activity carried out by the Apikes Iris lecturer at the Kuranji Health Center was carried out collectively with the main theme of the Capacity Building Workshop for Health Workers at the Kuranji Health Center, Padang City. Among the materials presented was the Socialization of the Use of Google Drive as an Online Storage Media for Health Workers in Health Facilities. This activity was carried out in the Hall of the Kuranji Health Center, Padang for 2 days of activities, namely the implementation of theory on Friday and the implementation of practice on Saturday (17-18 May 2024).

### Work Procedures

The stages carried out in PKM activities at this health center can be seen in Figure 1.



FIGURE 1. Activity Process

- **Planning**  
Before this PKM activity is carried out, planning is first carried out to determine the location, target and time for the PKM activity to be carried out.
- **Committee**  
In order for the activity to run as expected and its implementation to run well, it is necessary to create a committee structure that will carry out their respective task according to what is given, starting from preparation to completion of the PKM report later. The committee structure in this PKM activity can be seen in Table 1.

TABLE 1. Structure of the Kuranji Health Center PKM Committee

No	Name	Position	Job description	Time
1.	Yuli Mardi, M.Kom	Chairman	Responsible for all PKM activities, and providing materials	2 hour/week
2.	Dewi Oktavia, M.Kes	Member 1	Together with the chairman, conduct a survey and collect socialization materials.	1 hour/week
3.	Vanya Putri Ramadhani	Member 2	Documentation of activities from start to finish	1 hour/week

▪ Preparation

In the preparation stage, the stages carried out consist of:

- Determination and survey of the target location of PKM
- Planning PKM materials
- Management of procedures and permits
- Making an activity proposal addressed to the head of the health center where the activity is carried out and a proposal addressed to the head of LPPM Apikes Iris for the basis of activity financing
- Searching for literature and reading materials for making activity materials

▪ Inspection

After thorough preparation, the inspection then becomes the next stage. There are several jobs that are done:

- Ensuring the readiness of materials and personnel who will carry out their duties when the activity is carried out
- Ensuring all equipment is in good condition and ready to use
- Ensuring the means of transportation used to carry all the needs and equipment for the activity

▪ Implementation of PKM activities at the designated location

▪ Evaluation of the implementation of PKM activities

▪ Activity Report

A written report made after the PKM activity is implemented and submitted to the LPPM Apikes Iris section as a form of budget responsibility

After the activity is carried out, an evaluation is carried out which aims to see the progress and level of understanding of the implementation of the material explained (Sartika et al., 2023). The first day of the activity is to provide material about Google Drive as a storage media where participants will be introduced to the Google Drive application, taught how to access it, how to upload files to Google Drive and how to share files or data with other health workers (Jayalangi et al., 2022). On the same day, a pre-test was carried out. On the second day of PKM, participants were asked to practice using Google Drive and do a post-test

## RESULT AND DISCUSSION

On the first day, Friday / May 17, 2024, the activity was opened by the moderator, then continued with a welcoming speech from the Head of the Kuranji Health Center, Padang City, namely drg. Erlina Wati. The material in this PKM activity consists of 3 sessions, as can be seen in Table 2.

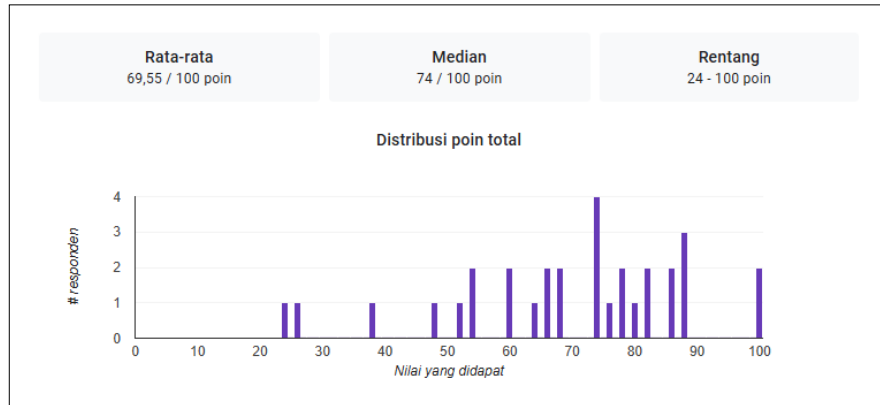
**TABLE 2.** Materials for Community Engagement Activities

Session	The tittles	Speaker
First	Sosialisasi Pemanfaatan Google Drive Sebagai Media Penyimpanan Online Bagi Tenaga Kesehatan Di Fasilitas Kesehatan	Yuli Mardi, M.Kom
Second	Improving Basic English Skill Pada Petugas Kesehatan Khususnya Pada Bagian Rekam Medis Di Puskesmas Kuranji...	Nila Mayasari, M.Hum
Third	Sosialisasi Penggunaan Google Form Pada Tenaga Kesehatan Di Puskesmas Kuranji	Syamsul Kamal, M.Kom

Event Theme: Capacity Building Workshop For Healthcare Workers at Kuranji Public Health Center, Padang City

Before delivering the material, a pretest was first conducted to see the extent of the PKM participants' understanding and knowledge of the material to be explained. The pretest was conducted by distributing

questionnaires using Google Forms to all participants present. There were 15 questions related to participants' knowledge of Google Drive and the results of the pretest showed that the average score of the participants was 69.55 with a range of scores from 24 to 100. So, it can be concluded that there are still many respondents who do not understand and understand Google Drive. The results of the pretest of participants on the first day which was attended by 31 people can be seen in Figure 2.



**FIGURE 2.** Pretest at Kuranji Public Health Center

Next, the activity of delivering material on the use of Google Drive as an online storage media. The delivery of the material is carried out using the lecture method and interspersed with questions and answers. The material presented by the speaker is explained in a structured manner and accompanied by demos and relevant examples. The material presented is how to save data, how to share files, how to edit files and how to back up data (Ginting et al., 2021). The documentation of the activity can be seen in the pictures below.



**FIGURE 3.** Opening by the Moderator



**FIGURE 4.** Opening Remarks by the Head of the Public Health Center



**FIGURE 5.** Presentation of Materials on Google Drive

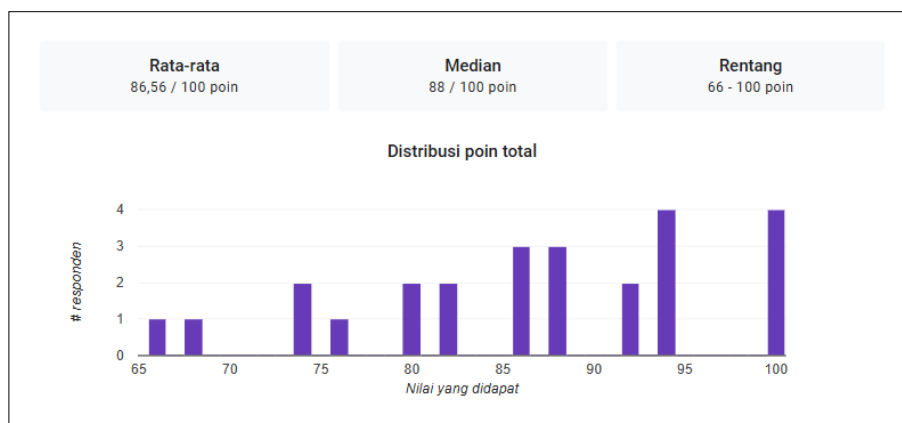
On the second day of PKM, Saturday/May 18, 2024, the PKM activity continued by practicing the use of Google Drive. After that, participants were asked to take a post-test to measure how well they understood the material explained. On the second day, the number of PKM activity participants was 25 people, the names of the participants were:

- dr. Silvia
- dr. Zonia Meisa
- Arzila Deswita, A.Md.Keb
- Novi Dianti, A.Md.Keb
- Rina Yolanda, AMd.Kep
- Elsy Rafiza, A.Md.RM
- Resti Hayati, A.Md.Kes
- Ike
- Susan Mairoza, Amd.Keb
- Nadya Yustysia Pratiwl, Amd.Keb



- Nelsi Salfia Lolita Putri, A.Md.MIK
- Dian Eka Putri, A.Md.Kep
- Zia Githa Infahni, A.Md.Keb
- Dika Zatra, Amd.Kep
- Mitriya Rika ZM
- Viori Tapani, S.ST
- dr. Vinasuri Oktora Melian
- Ellizarni, AM.d.Keb
- Elza Enny, SKM
- NS. Devi Maryanti, S.Kep
- Novia Maharani, A.Md.Kes
- Ramadhani. A.Md.Kep
- Eka Susilawati, AMK
- Elisa Okta Lusia
- Titin Firdawati, SKM

Of the 25 participants who attended on the second day of the PKM activity, the results showed that the average respondent score was 86.56, so it can be concluded that there was an increase in the knowledge and understanding of PKM participants regarding the material explained regarding the use of Google Drive. To determine the level of success of this PKM activity, it was measured through a post-test distributed to participants via Google Forms, where the questions were the same as the pre-test. With the increase in the average points achieved by participants, it can be said that this PKM activity was successful and beneficial (Lisnawita et al., 2022). The results of the Kuranji Health Center PKM posttest can be seen in Figure 6



**FIGURE 6.** Posttest at Kuranji Public Health Center

## CONCLUSIONS

The implementation of the PKM activity carried out at the Kuranji Padang Health Center was attended by all health workers who were not currently providing services to patients, including medical records officers, nurses, midwives, health workers, laboratory workers, doctors and also the head of the health center. All participants were given material about Google Drive and how to use it. The first day of the activity was an explanation of Google Drive. On the second day, participants were asked to practice using Google Drive. In this activity, all participants in the activity at the Kuranji Health Center learned how to use Google Drive, how to store data and how to access data. After conducting training on using Google Drive, officers were able to learn how to store data safely. This PKM activity can provide a positive response to the Health Center. With

this PKM activity, health workers at the Kuranji Health Center can carry out safe storage and can use Google Drive as a data backup and can share files or data efficiently (Nopriana et al., 2022).

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