

## Training on Creating LMS Google Sites as an Innovative Learning Media for Elementary School Teachers in West Sumbawa Regency

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### Abstract

*This activity aims to enhance the competence of educators in developing Google Sites LMS as an innovative learning medium. The methods used in this training are lectures and demonstrations. The lecture method is employed to provide material on improving teachers' knowledge, competence, and skills in creating Google Sites LMS as an innovative learning medium. Meanwhile, the demonstration method is conducted for participants to directly practice creating learning media using Google Sites. The training participants are 35 elementary school teachers from West Sumbawa Regency. The results of this activity indicate that the training participants received a positive response; they feel more confident and capable of using Google Sites after attending the training. This shows that the training has successfully achieved its main objective, which is to enhance educators' abilities in using information technology to support the learning process. Further training and direct assistance to schools are highly necessary to ensure optimal implementation.*

**Keywords:** LMS, Google Sites, Learning Media, Innovative, Instructional Technology

### INTRODUCTION

The development of information technology has brought significant changes to the world of education. The development of educational technology in the current era of globalization is a very important factor in enriching the teaching and learning process in schools (Hidayat et al., 2023). One innovation that can be utilized is a Learning Management System (LMS) based on Google Sites. LMS is web-based software designed to manage learning content, student interactions, assessment tools, and learning progress reports (Istiyani et al., 2020). Google Sites offers an easy-to-use solution for educators to create interactive and engaging learning websites. However, many educators are not familiar with using Google Sites (Darniyanti et al., 2023; Muhtadin et al., 2023; Suharto & Muchtar, 2021).

Training and competency development for educators in using Google Sites as an LMS is very important. By understanding and mastering this technology, educators can create more engaging and effective learning experiences for students (Adzkiya & Suryaman, 2021; Gesy et al., 2023; Kusumaningtyas, Indra, 2022). Apart from that, using Google Sites can also help improve educators' digital skills (Formatting Citation), so that they are ready to face the demands of

education in today's digital era (Pare & Sihotang, 2023). Thus, the integration of Google Sites as an LMS can make a positive contribution to improving the quality of education.

Some challenges that educators may face when adopting Google Sites as an online learning platform is a lack of technical knowledge in managing and utilizing the available features. Apart from that, educators also need to provide sufficient time and resources to learn and implement this technology well (Hidayati et al., 2021; Rina & Mahmudah, 2023).

Educators must have competence in developing Google Sites-based LMS through training to be able to utilize it optimally (Hidayat & Agung Saputra, 2023). So, with adequate support and training, educators can overcome these obstacles and make optimal use of Google Sites to improve the quality of student learning.

With adequate support, educators can expand their technical knowledge and optimize their use of Google Sites features. With enough time and resources, they can learn and apply this technology effectively in learning (Pubian & Herpratiwi, 2022; Tambunan & Siagian, 2022). Thus, Google Sites can be a very useful tool in improving the quality of student learning and achieving long-term goals in education. This training aims to increase the competence of

educators in developing the Google Sites LMS as an innovative learning media.

### IMPLEMENTATION METHOD

The methods used in this training are lecture and demonstration methods. The lecture method is used to provide material about increasing teacher knowledge, competence and skills in creating the Google Sites LMS as an innovative learning media. Meanwhile, the demonstration method is implemented for participants to directly practice creating learning media using Google sites. The training participants were 35 elementary school teachers in West Sumbawa Regency. Data was collected through questionnaires filled out by participants after the training ended online via Google form.

### RESULTS AND DISCUSSION

This training was carried out to provide understanding and competence for students in creating innovative learning media through creating the Google Sites LMS. This training was attended by 35 West Sumbawa Regency elementary school teachers. The training lasts for one day with two sessions. The first training session was carried out to provide teachers with an understanding of creating innovative learning media based on Google sites. The second session was the practice of creating a Google Sites LMS as a material for evaluation and feedback for training participants.



**Figure 1. Delivery of material regarding the creation of Google Sites LMS as an innovative learning medium**

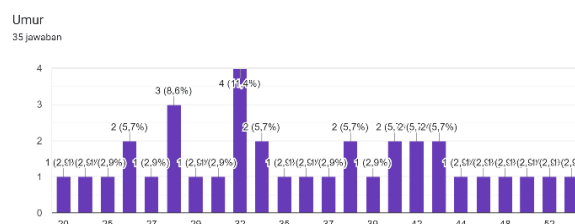


**Figure 2. Assistance to practice participants in creating learning media using Google Sites**

It is hoped that with the learning media page each teacher will be able to be creative in implementing the knowledge and experience they have gained during the training so that it becomes an innovative learning media.

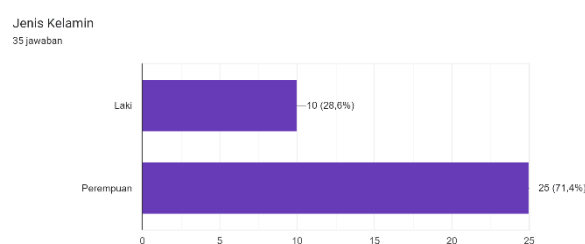
#### 1. Training Participant Profile

##### a. Age



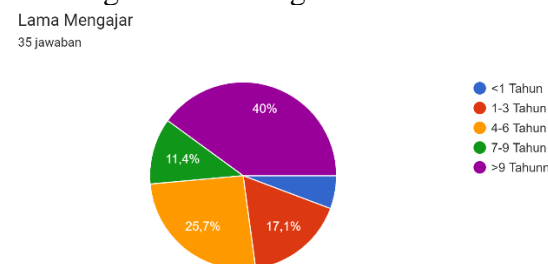
**Figure 1. Age of Training Participants**

##### b. Gender



**Figure 2. Gender of Training Participants**

##### c. Length of Teaching



**Figure 3. Length of Teaching for Trainees**

The analysis results show that the majority of training participants are women aged between 27 and 40 years. Most of the trainees have more than 9 years of teaching experience.

## 2. Competency Before Training

Many respondents agreed that their competency in using Google Sites before training was still very lacking. This shows that this training is really needed to improve teachers' abilities in using this platform.

1. Kompetensi saya dalam menggunakan Google Sites sebelum mengikuti pelatihan masih sangat kurang.  
 35 jawaban

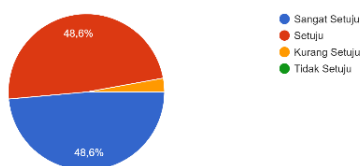


Figure 4. Teacher Competencies Before Training

## 3. Experience Before Using Google Sites

The majority of respondents had never used Google Sites before the training. This shows that many educators are not familiar with this platform, so this training is very important to introduce and teach how to use Google Sites.

2. Sebelum adanya pemanfaatan google sites ini, saya belum pernah menggunakannya sebagai portofolio dan juga media pembelajaran.  
 35 jawaban

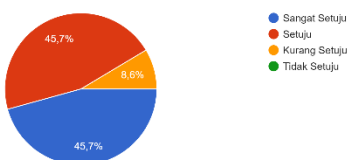
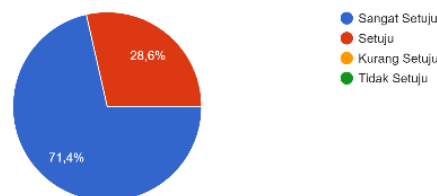


Figure 5. Teacher Experience Before Using Google Sites

## 4. Needs and Improvements After Training

The majority of respondents felt that their mastery of Google Sites had improved after attending the training. They also really need to implement Google Sites as an online learning media based on local potential and need follow-up training on creating a Google Sites LMS.

5. Pelatihan Google Sites sangat saya butuhkan.  
 35 jawaban



Increased competency in using Google Sites after training shows that this training was successful in providing a better understanding of the use of this platform. This is important to adopt as part of the learning strategy in schools to support digital-based learning processes. This training also shows the importance of providing ongoing mentoring to educators to ensure they can apply the skills acquired in everyday learning contexts.

## CONCLUSION

Training on creating LMS Google Sites as an innovative learning media for elementary school teachers in West Sumbawa Regency has received a positive response. The majority of participants felt more confident and able to use Google Sites after attending the training. This shows that this training has succeeded in fulfilling its main objective, namely increasing the ability of educators to use information technology to support the learning process.

## SUGGESTION

Advanced training is recommended to deepen the use of Google Sites and integrate it with other learning tools. Apart from that, there needs to be ongoing support such as direct assistance to schools to ensure optimal implementation.

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