

Training on the Implementation of Online Learning System Applications for Teachers at SMAN 4 Palopo

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Abstract: Mastery of information technology is very important for a teacher in learning activities at school. One of the supporting factors for improving the quality of learning is mastering the skills of utilizing online learning system applications. The goal to be achieved in this activity is to transfer science and technology by conducting training activities on the application of online learning system applications for teachers at SMA Negeri 4 Palopo. The method of implementing training activities on the application of online learning system applications at SMA Negeri 4 Palopo is by applying lecture and practice methods. The stages are: teachers are given an understanding as well as an introduction to the online learning system application, provide training on the use of zoom, Classroom, and Quiziz applications to teachers, provide assistance for teachers in the context of implementing online learning system applications at school so that the learning process becomes quality. The results of the PKM program activities entitled "Training on the Application of Online Learning System Applications at SMA Negeri 4 Palopo" were able to improve teacher skills in using online learning system applications so as to improve the quality of learning at school. Based on the training program that has been carried out, it can be concluded that the implementation of the training went smoothly and received a positive response from the teacher as a very good trainee and has been skilled in using online learning system applications such as: Zoom, Classroom, and Quiziz.

Abstrak: Penguasaan teknologi informasi sangat penting bagi seorang guru dalam kegiatan pembelajaran di sekolah. Salah satu faktor pendukung bagi peningkatan kualitas pembelajaran yaitu penguasaan keterampilan pemanfaatan aplikasi sistem pembelajaran daring. Tujuan yang ingin dicapai dalam kegiatan ini adalah melakukan transfer iptek dengan mengadakan kegiatan pelatihan penerapan aplikasi sistem pembelajaran daring untuk guru di SMA Negeri 4 Palopo. Adapun metode pelaksanaan kegiatan pelatihan penerapan aplikasi sistem pembelajaran daring pada SMA Negeri 4 Palopo yaitu dengan menerapkan metode ceramah dan praktik. Adapun tahapan tersebut adalah: guru diberikan pemahaman sekaligus pengenalan mengenai aplikasi sistem pembelajaran daring, memberikan pelatihan penggunaan aplikasi zoom, Classroom, dan Quiziz kepada guru, melakukan pendampingan bagi guru dalam rangka penerapan aplikasi sistem pembelajaran daring di sekolah sehingga proses pembelajaran menjadi berkualitas. Hasil dari pelaksanaan kegiatan program PKM yang berjudul "Pelatihan Penerapan Aplikasi Sistem Pembelajaran Daring Pada SMA Negeri 4 Palopo" mampu meningkatkan keterampilan guru dalam menggunakan aplikasi-aplikasi sistem pembelajaran daring sehingga dapat meningkatkan kualitas pembelajaran di sekolah.



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Berdasarkan program pelatihan yang telah dilaksanakan dapat disimpulkan bahwa pelaksanaan pelatihan berjalan dengan lancar dan mendapat respon positif dari guru sebagai peserta pelatihan dengan sangat baik dan telah terampil dalam menggunakan aplikasi sistem pembelajaran daring seperti: Zoom, Classroom, serta Quiziz.

INTRODUCTION

Education is very important for society because it can create qualified, intellectual, independent and creative human beings. The educational path is one of the community's means of developing quality through an educational process. With education, the level of progress of a nation will be determined. This statement is the same as the opinion of Soedijarto (2008:20) who says that through good education, intelligent people are born, with character and skills so that they are ready to enter the world of work through formal education up to university.

Based on a decree from the Minister of Education and Culture regarding efforts to prevent and spread Corona, all traditional learning activities will be temporarily closed. Educational activities changed according to the conditions in each region. The traditional learning system implemented by some teachers is slowly eroding and being replaced by the online learning system by implementing various online learning applications to support learning activities. Teachers, students, and even parents need to be able to adapt quickly to this method. This is a solution that must be implemented, in the midst of the spread of corona disease that has occurred since 2019, the online method is the most appropriate solution to do.

SMA Negeri 4 Palopo is one of the high schools located in Palopo City, South Sulawesi Province. Since the issuance of the government circular, SMA Negeri 4 Palopo has implemented an online or online education model. The online learning model has advantages such as the ability to overcome the problems of distance and time, and can build a new learning atmosphere. However, learning with the online form also encounters many obstacles. The obstacles facing SMA Negeri 4 Palopo are related to the large number of teachers who have not mastered the use of applications in online learning systems such as: Google Classroom, Zoom, Google Meet, Quiziz, and others in online learning systems. So far, to conduct system learning online, some teachers only use WhatsApp group, so the learning quality is still not optimal.

Based on the problems found, it is deemed necessary to conduct community service activities titled: "Training on Application of Online Learning System Applications for Teachers in SMA Negeri 4 Palopo" with the aim that this training activity is able to provide equal distribution of knowledge and skills to teachers, especially in SMA Negeri 4 Palopo in terms of Mastering Online System Learning Applications.

The purpose of implementing this training is to transfer science and technology so that it is able to improve the teacher's skills in mastering information technology, especially the applications of the online learning system in order to improve the quality of learning in schools.

RESEARCH METHODS

Training activities for the implementation of online learning system applications are being carried out at SMA 4

Palopo located in Jl. Bakau, Balandai Palopo City, and was held for one month from October 14, 2022 to November 14, 2022.

The intended participants for this community partnership program activity were teachers at SMA Negeri 4 Palopo of up to 30 people.



Image 1. Activity Location Map

The method of carrying out training activities for the implementation of online learning system applications at SMA Negeri 4 Palopo is training and mentoring, namely: conducting training on the use of learning applications in online learning systems for SMA Negeri 4 Palopo teachers, as well as providing assistance to teachers in implementing system applications Online learning in schools so that the learning process becomes of quality.

The training stages for implementing the online learning system implementation at SMA Negeri 4 Palopo can be viewed in the image below:

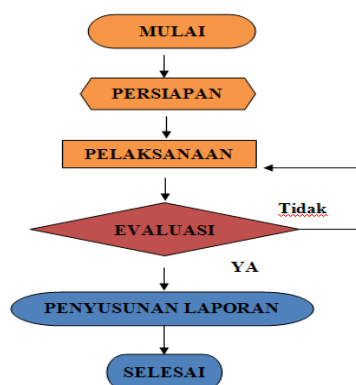


Image 2. activity stages

The activities of the Community Partnership Program (CPP) were implemented in the form of training activities for the implementation of online learning system applications in SMA Negeri 4 Palopo. This training activity went through several stages, including: The first stage was preparation, and this stage carried out several activities, namely: surveying the location of the activities in SMA Negeri 4 Palopo and conducting interviews with the principal, teachers and several students in SMA Negeri 4 Palopo with the aim of collecting information and needs related to the implementation of the training program Community Partnership (CPP) to be implemented in schools. The second stage is the implementation of the activities, and this stage is divided into several activities, namely: explaining the basic concepts of online learning systems, presenting and explaining materials for applications used in online learning systems, training teachers and guiding them in installing and using online learning applications, and assisting in using Online learning system applications in the SMA Negeri 4 Palopo environment, as well as data analysis related to the implementation of activities in this field. The next stage is evaluation, and this stage is carried out to determine the level of success of the activity, so that improvements can be made if deficiencies are found. Implementation of this assessment aims to find out whether there is an increase in skills in using online learning system applications after training with changes in behavior towards implementing online learning systems through skill in using online learning applications. The evaluation is done in two ways: monitoring the use of online learning applications used by the teachers after attending the training and through questionnaires that are conducted to find out the opinions of the participants in the training regarding this activity, so that it is possible to know whether the objectives of this activity have been achieved or not. The final stage of the activity takes place through the preparation of activity reports, and the

reporting process is divided into two parts, namely progress reports and activity results reports.

Indicators of success of this Community Partnership Program activity include: There is an increase in teacher knowledge and skills regarding the use of online learning system learning applications including: Zoom, Classroom and Quiziz, teachers can use online learning system applications so that they can improve the quality of learning along with the understanding of teachers in the use of online learning applications to support learning activities in schools, and increase the quality of the blended learning system applied to the SMA Negeri 4 Palopo.

RESULTS AND DISCUSSION

The activity was carried out for one month, from October 15, 2022 to November 14, 2022 in the SMA Negeri 4 Palopo auditorium and in the SMA Negeri 4 Palopo computer lab. The training activities were attended by 13 teachers in SMA Negeri 4 Palopo as shown in Table 1.

Table 1. Training Participant Data

Num	Participant Name
1	Dra. Nirwasani
2	Dra. Hj. Nurlaeli Saruman
3	Firmawanti, S.Pd
4	Marjuati DP, S.Pd
5	Abd. Hafid Nasir, S.Pd
6	Yayak Sundariani, S.Kom., M.Pd
7	Mas'ud Marsan, SE
8	Kesumawati Thamrin M., S.Sos
9	Hj. Nurma Nengsi, S.Pd
10	Heri Palesang, S.Pd
11	Yusuf Sehe, S.Pd., M.Pd.
12	Drs. Abdul Kadir
13	Frederika Andilolo, S.Pd

In the Community Partnership Program activity, the training on the application of the online learning system for

teachers in SMAN 4 Palopo consists of several stages, namely: the stage of preparation, the implementation of the activity, the stage of evaluation, and the stage of preparation of the activity report. In the preparatory phase conducted by surveying partner sites, namely in SMA Negeri 4 Palopo, and interviewing the principal of SMA Negeri 4 Palopo and teachers regarding teachers skills in using online learning system applications. In addition, program implementers carry out teacher training outreach activities in SMA Negeri 4 Palopo.



Image 3. Socialization of training activities

In the stages of implementing the activities, several activities are divided, namely: Explaining the concept of online learning system material, which aims to provide teachers with knowledge and understanding of online learning systems. The following activity is an introduction to online learning system application materials, at this stage it contains materials for understanding and introducing applications used in online learning systems such as: Zoom, Classroom, and Quiziz. The third article is the training activities, in this activity training is carried out for teachers in installing and using online learning applications which are implemented directly in the SMAN 4 Palopo computer lab as shown in Image 4.



Image 4. Training Activities

After conducting the training the next activity is to provide assistance to the training participants, in this activity the process of assisting the teachers in using the online learning system application is carried out in the classroom and within the SMA Negeri 4 Palopo environment if needed.

The data analysis phase was implemented after the counseling process for teachers to find out the achievements and levels of teacher satisfaction during the implementation of field activities. In the evaluation phase, observations were made and questionnaires were given to the training participants (teachers). From the observations made, it was found that the teachers were proficient in using the online learning system applications, especially Zoom, Classroom and Quiziz after participating in the online learning system training programmes. In the analysis phase, a questionnaire was presented to the participants in the training and mentoring activities, and the analysis was based on a Likert scale as shown in Table 2

Table 2. Likert Scale (Sugiono, 2017)

Assessment category	Average Score
Very Good	$4 < X \leq 5$
Good	$3 < X \leq 4$
Acceptable	$2 < X \leq 3$
Poor	$1 < X \leq 2$
Very Poor	$0 < X \leq 1$

Table 3. Results of questionnaire analysis data

Assessment criteria	Rating Score Average	Assessment category
Activity time	4,6	Very Good
Quality of Training Materials	4,6	Very Good
Quality of Practice	4,8	Very Good
Assistance Activities	4,2	Very Good

Table 3 shows that the results of the analysis of the questionnaire data given to the teachers where the training participants obtained that the average level of teacher satisfaction was in the very good category while participating in the training program in terms of the timing of the activities and the quality of the training materials provided, and the quality of the practice, as well as in the teacher's assistance activities At school.

The last stage in the implementation of the activity is the preparation of a report divided into two progress reports and the final report on the activities in the Community Partnership Program Training in the implementation of applications of the online learning system for teachers in SMA Negeri 4 Palopo.

Training activities for the implementation of the online learning system implementation were carried out by all participants with enthusiasm. This is because the material provided corresponds to the teacher's needs and apart from those practical activities are also carried out directly in the computer lab of the SMA Negeri 4 Palopo. The activities carried out in the online learning system implementation training are: Providing introductory materials to online learning systems. This activity provides teachers understanding and knowledge about online learning systems, types of online learning applications and their usage, and explains the advantages and disadvantages of using

the application - online learning system. Practically speaking, instructors are trained directly in the SMA Negeri 4 Palopo Laboratory. To ensure teacher understanding in the training activities, the practice is taught live to each teacher using a computer from the installation process to the use of Zoom, Classroom and Quiziz applications. While carrying out the activity, the participants were very enthusiastic about the explanations and practices given. Participants can follow all phases of the activity well and want to try to follow the instructions given. Guidance is implemented to assist teachers in case they encounter obstacles when using online learning system applications in a school environment.

In carrying out the training activities there were no major obstacles, and the activities carried out were completed according to a predetermined schedule. The success of the activity is supported by the following factors: Choosing the appropriate implementation time, which is carried out before the UAS activity as it is hoped that in the next semester teachers will be able to take advantage of online learning applications to support the process of learning activities in schools, so that educational activities become relevant High quality, effective and fun for students. The materials and practices that are given according to their needs, including: with practice provided that they increase the teacher's understanding and knowledge of the online learning system. Apart from that, the direct practical activities can provide the skills to the teachers so that after attending the training they will become more skilled in using online learning system applications such as: Zoom, Classroom and Quiziz.

The benefits to teachers after participating in training activities to implement online learning system applications, which are: teachers have an

understanding and knowledge of online learning system applications, there is an increase in the teacher's skills regarding the use of online learning system applications, and teachers can use the online learning system Applications so that they can improve the quality of learning along with the understanding of the teacher to use learning applications and not just focus on the Whatsapp group Increase the quality of learning applied to SMA Negeri 4 Palopo.

CONCLUSION

The Training on Implementation of Online Learning Applications for Teachers at SMA Negeri 4 Palopo was carried out smoothly and received very good response from teachers as training participants. This can be demonstrated by the results of the analysis of the questionnaire data from teachers as participants in the training program. The results of the questionnaire came in a very high category, and it is evident from the enthusiasm of the teachers to participate in the training, both physical and practice. Training activities for implementing online learning applications are very useful especially for teachers to be able to increase their knowledge and skills in using online learning applications such as: Zoom, Classroom and Quiziz so that there is equality in the ability of teachers to apply science and technology, especially applications that support activities learning.

SUGGESTION

The suggestions for improving and developing this community service activity include:

suggestions for schools, It is hoped that the results of the training in the form of teacher skills in implementing online learning system applications can be applied to SMA Negeri 4 Palopo as a supporting application in the process of learning activities in class so as to improve the quality of students in understanding the subject matter taught by the teacher. For teacher in SMA Negeri 4

Palopo will continue to be able to develop teacher knowledge and skills by holding training activities that involve teachers as participants, so that the quality of learning in schools increases along with the increasing quality of human resources through teachers as teaching staff at school.

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