Desimination of Technology for Utilizing Online Learning Media during the Covid-19 Pandemic at SD Muhammadiyah Mlangi

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ABSTRACT

The COVID-19 pandemic has had a significant impact on the life of the world community, including in Indonesia. In addition to health impacts, the pandemic also has economic, educational and social impacts. In the field of education, the Government through the Minister of Education and Culture of the Republic of Indonesia issued Circular Letter Number 4 of 2020 concerning the Implementation of Education Policies in the Emergency Period for the Spread of COVID 19. Responding to this, teachers in schools must be creative in preparing interesting learning methods according to learning needs. One of these interesting learning methods can be prepared by utilizing digital media. SD Muhammadiyah Mlangi is one of the educational institutions of Muhammadiyah Charity (AUM) which currently needs to increase the capacity of human resources to deal with the dynamics of the environment that is currently happening. The aspect of developing the capacity of human resources related to the ability in online learning will also increase the achievement of the material to be conveyed by educators. The PKM implementation method that will be carried out is divided into three major stages, namely preparation, socialization activities, training activities/workshops towards the target. In this training, teachers practice using a number of applications that have never been used before, such as quiziz, bitmoji and kahoot. These applications will still be useful for creative and innovative learning processes even though they are no longer in online learning. This is related to the target of education today is the digital native generation.

KEYWORDS
Online Learning Media; Covid 19; Native Digital

1. Introduction

The COVID-19 pandemic has had an impact on the learning process of school children. If before the pandemic, children were able to carry out learning outside the network (offline) at school or elsewhere according to their learning needs, then during the pandemic, school children were learning online. This is in accordance with the direction of the Minister of Education and Culture of the Republic of Indonesia as outlined in Circular Letter Number 4 of 2020 concerning the Implementation of Educational Policies in the Emergency Period for the Spread of COVID 19. The circular letter was issued on March 24, 2020. The Circular Letter explains that the learning process is carried out in home through online/distance learning is implemented to provide a meaningful learning experience for students. Learning from home can be focused on life skills education, including regarding the COVID-19 Pandemic. Learning activities and assignments for learning from home can vary between students, according to their respective interests and conditions, including considering the gap in access/learning facilities at home. Evidence or products of learning activities from home are provided with qualitative and useful feedback for teachers, without being required to give quantitative scores/values. Responding to this, teachers in schools must be creative in preparing interesting learning methods according to learning needs. One of these interesting learning methods can be prepared by utilizing digital media. Online learning which a reference in community service is has been studied by previous researchers. Presence of learning within the framework of the Community of Inquiry: An alternative measurement survey for the four-factor model was investigated by

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SD Muhammadiyah Mlangi is one of the educational institutions of Muhammadiyah Charity (AUM) which currently needs to increase the capacity of human resources to deal with the dynamics of the environment that is currently happening. The aspect of developing the capacity of human resources related to the ability in online learning will also increase the achievement of the material to be conveyed by educators. With the condition that the number of students is quite large, the contribution of this community service is aimed at educators at SD Muhammadiyah to teach students with appropriate methods in learning so that later the achievement of the material to be conveyed can be carried out properly. The vision of Muhammadiyah education proclaimed at the 46th Muhammadiyah Congress in Yogyakarta is the formation of human learners who are devoted, have noble character, are progressive, and excel in science and technology as the embodiment of tajdid da‘wah amar ma‘ruf nahi munkar. Muhammadiyah education is a modern Islamic education that integrates religion with life and between faith and holistic progress (Lincoln Arsyad, Warta Rakornas leadership (PTM and PTA). The learning process begins and is aimed at humanizing humans.

2. Method

The community service implementation program with this partner consists of a chairperson who is an active lecturer in the Public Administration Study Program with the proposing member, namely one active lecturer from the Midwifery Study Program who is the academic and curriculum coordinator so that he has mastery with learning methods. This activity also involved 2 (two) students from the Public Administration and Communication Study Program to hone soft skills and hard skills related to mastering learning media in literacy activities which are the focus of service. The targets in this community partnership program are educators or teachers at SD Muhammadiyah Mlangi who still have limited information and ability to manage online learning. The PKM implementation method that will be carried out is divided into three major stages, namely preparation, socialization activities, training activities/workshops towards the target, as shown in Table 1. The table describes the stages in order based
on the problems that must be resolved immediately and the time management of the implementation of the most possible stages.

<table>
<thead>
<tr>
<th>NO</th>
<th>Name of activity</th>
<th>Partner Participation</th>
<th>Evaluation and program sustainability</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Preparation</td>
<td>Identify the goals and needs of the target group, then the proposal team will make guidelines according to the partner’s problems</td>
<td>Workshop module creation</td>
</tr>
<tr>
<td>2</td>
<td>Socialization</td>
<td>Partners convey various obstacles and constraints related to the problems faced for further adjustment of solutions based on resource capabilities which are owned</td>
<td>Activity socialization</td>
</tr>
<tr>
<td>3</td>
<td>Training</td>
<td>Target of training activities, active and direct participation in training activities</td>
<td>Training activities</td>
</tr>
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The outreach activity was initiated through the Whatsapp application which was then followed up with a direct meeting with the principal. During the meeting, the staff and the school discussed the problems faced by SD Muhammadiyah Mlangi regarding the use of online learning media during the pandemic.

Based on the discussion, a number of problems were identified that require a series of interventions. The problems identified were the barriers to classroom teachers in the use of technological instruments for learning. Therefore, the activities formulated to answer the problem are training activities that enrich the capacity of teachers in preparing creative and innovative learning. From the training formulation, the target groups and their needs were mapped. The target group for the training activities are classroom teachers who are in charge of learning in grades 1-6.

As for determining what materials are needed by teachers related to online learning, devotees conducted a survey through a googie form of teachers in grades 1-6. From the survey, information was obtained that so far teachers have used google classroom, googleform, canva, powerpoint, flipbook and kinemaster. Therefore, the materials that will be delivered in the training are materials related to methods of using applications in online learning that have never been used before. In training activities, teachers are designed to practice using a number of applications that have never been used before, such as quiziz, bitmoji and kahoot.

3. Results and Discussion

The training activity on the use of online learning media was attended by 25 (twenty five) teachers in grades 1-6 is shown in Fig. 1. In particular, this training is intended to enrich the ability of teachers related to the preparation of online learning media. Online learning media that have been widely used at SD Muhammadiyah Mlangi are Google Classroom, Google Form, PowerPoint, Canva, Flipbook and
Kinemaster. In order for the online learning process to be more interesting and motivate the student learning process, teachers need to always enrich learning references that use applications.

In this training, teachers practice using a number of applications that have never been used before, such as quizizz, bitmoji and kahoot are shown in Fig. 2. Technically, the training is done through lectures and practice. Servants deliver material related to learning applications and the teachers immediately put them into practice. These applications will still be useful for creative and innovative learning processes even though they are no longer in online learning. Moreover, the students being taught are digital native generations who have more interest in learning that uses technology.

Students of the digital native generation are those who were born in the era of digital technology, the activities carried out require technological equipment as auxiliary media. One of the characteristics of the digital native generation is the ability to use computer technology and mobile smartphones with ease, both for browsing information and entertainment, such as browsing, chatting, and the most popular is playing games through computers or mobile devices.

**Fig. 1.** Implementation of Training on the Use of Online Learning Media during the Covid-19 Pandemic at Muhammadiyah Mlangi Elementary School

Training related to increasing the capacity of teachers to be able to take advantage of advances in learning technology needs to be carried out because being a teacher for the digital native generation is not an easy thing. There are many challenges in it. So teachers need to design the right method to suit the needs of their students.

**Fig. 2.** Training materials for the use of online learning media during the Covid-19 pandemic at Muhammadiyah Mlangi Elementary School
4. Conclusion

Based on the results of the training that has been carried out as part of a series of community service activities, it is known that in the implementation of community service at SD Muhammadiyah Mlangi, the team did not experience significant obstacles due to good cooperation between the team and the training participants, coupled with the enthusiasm of the participants who were very enthusiastic. Participation in this activity supports the smooth implementation of the training.

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Author Contribution

All authors contributed equally to the main contributor to this paper. All authors have read and agreed to the published version of the manuscript.

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Conflict of Interest

The authors declare no conflict of interest.

References


