

Workshop on Multimedia Based Learning for Low Level- Education Teachers

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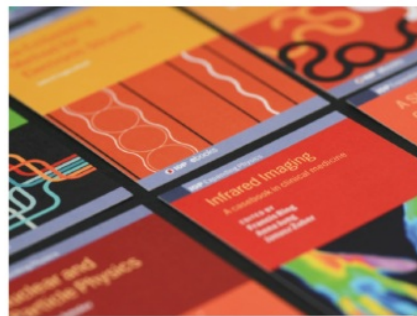
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Workshop on Multimedia Based Learning for Low Level- Education Teachers

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Abstract. Education is one aspect that cannot be separated from human life. Even today education can be said to be the primary human need. Formal education in Indonesia starts from the childhood level or is often called kindergarten. To educate children, more interesting methods and media are needed to foster early talent and interest in students. In this case, kindergarten teachers are expected to maximize their communication skills and creativity in preparing to teach. Technology in our life today, many aspects is expected to be able to keep up with technological advances that have increased rapidly from year to year, including kindergarten teachers. Of the many kindergarten teachers present, there are still those who have not mastered the computer skill. However, with the holding of this training, kindergarten teachers slowly became masters of computers skill so that they were more creative and innovative in utilizing ICTs to create learning media especially those on multimedia based.

1. Introduction

Education is one aspect that cannot be separated from human life. Even today education can be said to be a primary human need. Formal education in Indonesia starts from the childhood level or is often called kindergarten. To educate the children, a method and a more interesting media are needed to grow their talents and interests early on. In this case, kindergarten teachers are expected to maximize their communication skills and creativity in preparing learning media to teach.

Technologies in our life today, many aspects are expected to be able to keep up with technological advancements that are increasing rapidly from year to year, including the kindergarten teachers. By following Minister of National Education Regulation Number 16 of 2007 concerning Academic Qualification Standards and Teacher Competence for kindergarten teachers, in pedagogical competencies teachers are expected to be able to utilize information and communication technology to improve the quality of educational development activities[1], [2].

Many benefits can be obtained by using ICT in the education sector. These benefits include increasing the effectiveness of the teaching and learning process which is expected to improve student learning outcomes and the individual quality of students in terms of using technology appropriately and beneficially[3], [4]. Recently the Center of Information and Communication Technology for Education and Culture (Pustekkom) held an ICT-Based Learning Materials (ICT) at Graha Media Pustekkom Building. This competition was held to encourage people to make interesting learning materials on multimedia based[5], [6].

Many ways can be used to make a learning media. One of them is using multimedia-based learning media. Multimedia is a combination of text, art, sound, animation, and video. It is expected to attract students' interest and get more attention so the student can understand the lessons easily[7]. But there are many teachers have not computer technology skill. The many kindergarten teachers in Ponorogo,



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there are still many teachers who have not computer technology skill because many factors cause it, such as including age, limited facilities and infrastructure and also the level of education of teacher. For this reason, it is important to hold socialization of digital literacy, training, and assistance in utilizing ICT for kindergarten teachers especially how to make a teaching media with multimedia based learning.

2. Partner Problems

Based on the analysis of the situation can be found several problems that are generally faced by partners.

- a. There are many kindergarten teachers who lack of knowledge about ICT, internet and digital literacy
- b. There are many kindergarten teachers who have not been able to operate computers
- c. There are many kindergarten teachers who have not used ICT to create learning media

3. Implementation method

The following are the steps in the implementation of making multimedia-based learning media for kindergarten teachers.

3. 1. Program Implementation Steps

The following is a systematic method of implementing the Workshop on Multimedia Based Learning for Low Level-Education Teachers in the Jambon District, Ponorogo Regency:

Discuss together with principals and teachers in PKG PAUD Jambon District, Ponorogo Regency who will be a training participant.

1. Create an ICT introduction module
2. Make a tutorial module on how to make learning media using Microsoft PowerPoint
3. Carry out a training program
4. Measuring outcomes in the form of learning innovations using teaching media by utilizing digital literacy by conducting observations, questionnaires, and interviews with participants during training.
5. Evaluate the program by looking at the participants' responses.

3. 2. Approach Method

By following the problems that are owned by partners, the approach method used in this program is to provide an introduction for kindergarten teachers in PKG PAUD Jambon district about training in making learning media using Microsoft PowerPoint. The goal of this workshop measured by conducting observations, questionnaires, and interviews with participants during the workshop program.

3. 3. Partner Participation

During the workshop program, kindergarten teachers in PKG PAUD Jambon district, Ponorogo Regency, attended the training. They are expected to be able to innovate in teaching by creating learning media by utilizing digital literacy independently.

3. 4. Evaluation and Mentoring

After the workshop program was carried out, participants were interviewed and given questionnaires to find out the responses during the program. The results of the questionnaire and also the results of the training scores were used as reference for program evaluation.

3. 5. Workshop Location

The workshop program location is located in Jambon district Ponorogo Regency. The map of locations can shown in Figure 1.

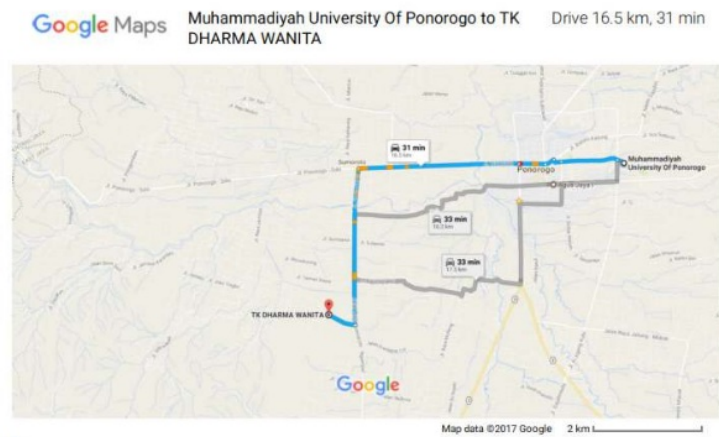


Figure 1 Map Location

3. 6. Preparation

In the preparations step the team of lecturers from the Informatics Engineering Study Program of the Universitas of Muhammadiyah Ponorogo make a meeting with Chair person of the kindergarten school in Jambon District Ponorogo Regency. Then invite the teachers in Jambon District to take part in the workshop, and then prepare the material, and the training venue in one PAUD School in Jambon District, Ponorogo Regency.

3. 7. Implementation

The workshop was held at the kindergarten school in Jambon District, Ponorogo Regency for 2 days. The material for the first day was the introduction of the concept of multimedia-based learning media for kindergarten teacher. The speaker was a team of dedicated lecturers from the Informatics Engineering Study Program at Universitas Muhammadiyah Ponorogo. After delivering the material, then proceed with practice making multimedia-based learning media. In the practice the teachers are taught how to make learning media by utilizing Microsoft PowerPoint. Implementation of the workshop in second day began with the delivery of advanced material on multimedia-based learning media. After all of the material was delivered, then the Teachers were invited to practice creating multimedia-based learning media by utilizing Microsoft PowerPoint.

This workshop is carried out in kindergarten school starting on July 8 and 9, 2019. The schedule and estimated time for conducting the activities can show in Table 1:

Table 1 Time table and Estimated Time

Days to-	Material	Tools and materials	Time
1	Introduction to the concept of multimedia-based learning media	LCD Projector, Laptop or Computer, Internet	120 minutes
	Making materials for making multimedia-based learning media	LCD Projector, Laptop or Computer, Internet	240 minutes
2	Making multimedia-based learning media	LCD Projector, Laptop or Computer, Internet	120 minutes
	Making further multimedia-based learning media	LCD Projector, Laptop or Computer, Internet	240 minutes

After the Workshop, Monitoring was carried out by a team of lecturers. For monitoring or mentoring, it will be conducted for approximately one month after the training is complete. This monitoring or

assistance aims to determine the efficacy and sustainability of the use of multimedia-based learning media created and applied in the kindergarten school in Jambon District Ponorogo Regency.

4. Results and Discussion

The workshop was attended by 30 participants. Each teacher becomes a representative of the Kindergarten School in Jambon District, Ponorogo Regency. There were several teachers invited who could not attend, one of the causes of his absence because getting other assignments from Headmaster in them school.

Of all participants in this workshop, 98% of teachers have been able to create learning media by utilizing Microsoft PowerPoint. But some teachers are still cannot make learning media by utilizing Microsoft PowerPoint. After the workshop we have planned to conduct monitoring and mentoring for teachers who were present at the workshop, who have can't create the learning media very well. The Figure 2 had shown the participants following the workshop seriously.



Figure 2 Lecturer team was explain the material

One of the Lecturer Teams was assigned to explain material during the training. And other from was in charge of directly accompanying the participants. So the participants could understand well the theory and practice in creating multimedia-based learning media. The Figure 3 had shown the lecturer team is accompanying the participants



Figure 3 The Lecturer Team is accompanying the participants



Figure 4 Examples of learning media made by participants

One example of multimedia-based learning media made by participant with utilizing Microsoft PowerPoint can show in Figure 4.



Figure 5 Photo session after workshop

5. Conclusions and Recommendations

The use of instructional media is carried out to help the effectiveness of learning activities; kindergarten teachers in Jambon District, Ponorogo Regency who previously used conventional learning media got new knowledge to make ICT-based learning media especially multimedia. In this workshop the participant can learn seriously. The learning media make by utilizing Microsoft PowerPoint. The results of this workshop can be seen from the multimedia-based learning media they made during the training. Of all participants, the majority were able to easily create multimedia-based learning media by utilizing Microsoft PowerPoint. The next step is to assist and monitor the use of multimedia-based learning media in them school so that teachers and students were able to benefit from the use of multimedia-based learning media.

Acknowledgments

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