

# Moodle as an online learning platform: What teacher's need to prepare

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## **Abstract**

*Moodle was being the choice of teachers as a virtual learning media. The transition of learning from face-to-face learning to virtual learning or online learning forces teachers to deal with this situation. The preparation that a teacher must prepare become a huge things to be understanding before conducted teaching and learning. A descriptive qualitative research was applied for this study. Interview and observation were obtained from the teachers to gain the teacher's perspectives of moodle as an online learning platform. The result of this study found that there were some steps to be conducted to prepare the online learning using moodle: preparation, action, and evaluation.*

**Keywords:** moodle; online learning; teacher preparation;

## **INTRODUCTION**

The use of technology is very popular nowadays especially during pandemic. The industrial revolution is contribute in changing the educational archetype. industrial revolution changes the way of thinking in education (Lase, 2019). The forward technology enhance classroom activities through the virtual world. Industrial revolution combines the virtual world, automation technology, and cyber technology to produce automatic production (Lase, 2015). Therefore, internet is useful to increase the virtual learning process which is commonly called as online learning.

The expansion of the internet has extended the future demand for learning. The high popularity of online learning makes a change in the current learning trends. As the respond of this situation, teachers and educators needs to make a new teaching tips, technique and innovation innovation to suit the new era of learning process especially what they need to prepare before the online learning classroom. Learning platform is defined as various stages of the institutional education process where the means of communication and informational technology are significantly utilized (Dodun et al., 2015). Moodle as one of the popular online learning platforms has a customized design setting to redound the learning process.

Teachers which is the pioneer of the implementation of online learning need to be able to face all instructional components including media that will be used in learning and

the use of time limitation. Teachers have different duties and more responsibilities that are not easy since the exchange from the face-to-face learning system in the classroom to an online learning system and also with the online learning experiences that have never been implemented before.

### **Moodle**

Moodle is a free and open-source learning management system written in PHP and distributed under the GNU General Public License. Moodle is used for blended learning, distance education, flipped classroom and other online learning projects in schools, universities, workplaces and other sectors. Moodle is used to create custom websites with online courses and allows for community-sourced plugins. Moodle is one of the applications of teaching and learning concepts and mechanisms that utilize web-based information technology, which is often known as the concept of e-learning (Rulianto, 2009:18).

In this study we used moodle as the online learning platforms. Then, what are the preparation that teachers' need to do before the online learning activities using moodle to make an effective learning activities.

### **Online Learning**

Online learning is a type of instruction where students are taught in a completely virtual setting. Higher education is where online learning, also known as e-learning, is most common. It allows students from various locations to interact with an academic institution and other students online and learn conveniently at their own location. Online learning is a term used to describe a learning environment that uses the internet to connect students from various backgrounds and viewpoints.

online learning is the experience of knowledge transfer using video, audio, images, text communication, and software supported by internet networks (Zhu & Liu, 2020).

### **Teachers Preparation**

The term teacher preparation program means “a State-approved course of study, the completion of which signifies that an enrollee has met all the State's educational or training requirements for initial certification or licensure to teach in the State's elementary or secondary schools. As a teacher, effective preparation can demonstrate your passion for the field to students, parents or coworkers. In many cases, your peers and students can tell when you've put time and effort into your lessons. This can show that you apply more effort than is normally required to do your best possible teaching.

## **METHOD**

### **Respondents**

The respondents of this study were teachers that use moodle as an online learning platform. So based on this criteria the writers chose three educators that have experience in using moodle as an online learning platforms.

### **Instrument**

In this study we used interview and observation to collect the data information that we need. And we use interview questionnaires as the instrument.

### **Procedures**

The interviews were conducted once with a number of respondents that we had selected. We asked all the question on the interview questionnaires to the respondents.

### **Data analysis**

To collect the data, the writers conducted a structured interview with the respondents to get information about their experiences, and also preparation while using moodle. It is more easy to get the data based on the teachers' experience. The next is expanding the data we use descriptive comments taken from the interview transcript by identifying the key of explanations that were came from the respondents. The descriptive comments were used to create succinct descriptions of the topic. The descriptive comments are beneficial to identify the key phrase, explanations, description, and emotional responses from the participants (Cooper, Fleischer, and Cotton : 2012)

## **RESULTS AND DISCUSSION**

This chapter will show the research findings about teachers perception towards the use of moodle and the needs of preparing Moodle. The interview was conducted online, all the questions using Indonesians language to minimalize misunderstanding regarding the questions other than the interview we also observed the moodle online class to know what teachers' need to prepare to made an effective moodle online learning class.

There are three question related to Moodle as an E-Learning platform and the needs of preparing the learning.

### **Question 1 :**

What is the preparation before the online learning using moodle?

Respondent 1 : The comprehension about how to use moodle system and fitur. Prepare the tools to support the online learning using moodle.

Respondent 2 : Creating an E-Learning course, managing the learners

Respondent 3 : Customizing the teachers' ptofile on moodle system, adding students' activities and resources.

### **Question 2 :**

What is the difficulties you face when preparing a moodle online learning ?

Respondent 1 : Network stability, its difficult to made the students understand about how the moodle system work

Respondent 2 : It's difficult to prepare an interesting online class with the moodle

Respondent 3 : Difficult to choose what kind of lesson should we put cause we need to match the moodle fitur.

**Question 3 :**

Based on your experience is it effective enough to use moodle as an online learning ? and why?

Respondent 1 : Effective enough because it help

Respondent 2 : Not yet, because students could not catch the material easily.

Respondent 3 : Not yet, because some students seems to ignore the activities that have been given through the moodle system.

Based on the data collected from the interview we can see that the things that should be prepare first is the comperhension towards the moodle system, the suitable tools to support the moodle learning class, E-learning course, students' activities and resources.

On the other hand, based on the data collected from the structured interview we can see that another important thing to prepare before online learning using moodle is the comprehension of the moodle system and network stability, it's profitable to gain the effectiveness of the online learning process using moodle. The suitability of the materials with the moodle learning system is also important.

And based on the data collected, it seems that teachers' need to prepare an interesting cours to gain the interest of the studenst' to follow the moodle online learning classroom effectively.

**CONCLUSION**

Online learning is a type of instruction where students are taught in a completely virtual setting. Higher education is where online learning, also known as e-learning, is most common. Moodle is used to create custom websites with online courses and allows for community-sourced plugins. Based on the research findings, we conclude that there is thing that teachers' need to prepare before moodle online learning class :

1. Tools (Network and gadget)
2. Customizing the teachers' profile
3. Creating an E-Learning coursee
4. Adding students' activities and resources
5. Managing learners

Beside that another teachers, needs are the comperhension towards the moodle system it's profitable to gain the effectiveness of the online learning process using moodle. The materials that suit the moodle system is also needs to prepare.

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