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## **A PEDAGOGICAL CRITICAL REVIEW OF ONLINE LEARNING SYSTEM**

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### **ABSTRACT**

E-learning which have various shapes such as blog, classroom learning which is facilitated the World Wide Web; a mix of online instruction and meeting the class known as additional models or hybrid; or the full online experience, where all assessment and instruction is done electronically. Object relationship of learning and constructivist educational philosophy and confirmed that online learning has the orientation which is basically a constructivist ideology, where the combination of some of the knowledge is an inquiry-oriented activities and authentic and also promote the progress of the construction of new knowledge. Description of the online learning system in theory and practice can be illustrated in a few examples that have been found in the research that has been done and found new discoveries obtained in the study, but not everything can be done because of several factors. Please note that the components in the online learning system can serve as a learning system which is very strong influence on learning in the class. The objective of this research is to a pedagogical critical review of online learning system in theory and practice that can be applied by teachers in the teaching process in the classroom. The results obtained in this study were teachers and students need extra effort to make online classes and virtual. Further research is needed on appropriate strategies in order to determine the next result is more useful. There some advices for any studies that discuss online learning system are done in certain areas, namely the use of electricity and other disciplines such as social and humanities.

**Key Words:** Online learning, pedagogical issue, e-learning, web 2.0, and virtual classroom.

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## **1. INTRODUCTION**

To initiate a review of the online learning system will be introduced in advance and will be discussed in depth in theory and practice of online learning system. Is online learning system can stand alone in the teaching or whether online learning system must be connected to the traditional classroom in order to provide best service for the students to improve the skills of the students, especially to create a virtual classroom or often referred to by compound class. It is important to assess the extent to which the theory and practice of the online learning system can stand itself without help and can provide the best service for the students so that if the theory cannot stand without help, the implementation can be done in good way for the purpose of strengthening the material and make the teaching and teaching system.

To begin the explanation of online learning system both theory and practice can be described and illustrated. Please note that the online learning system components can serve as a powerful learning. The aim of the research is to scrutinize and evaluate the online learning system both theory and practice that can be applied by teachers in the teaching process.

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## 2. METHOD

This paper is a critical review based on literatures and experiences. This is a descriptive qualitative analysis using force field analysis. The procedure included the nature of the online learning system, then the positive and negative effects of the online learning are described. Based on the analysis, the better alternative solution are discussed.

## 3. FINDINGS

### **Focus Online Learning System**

Online learning system has been proven effective to provide instruction to students and know the student assessment results in a format that can be refined and reused over time (Buzzetto-More & Alade, 2006). Website as a medium of learning that is heavily influenced by the sound pedagogy; content can support a traditional, learning outcomes, authentic, alternative learning and assessment protocol (Dziuban et al., 2015).

E-learning which have various shapes such as blog, learning class that uses the World Wide Web; a mix of online instruction and meeting the class known as additional models or hybrid; or the full online experience, where all assessment and instruction is done electronically (Buzzetto-More & Sweat-Guy, 2006). Nash said that the relationship object learning and constructivist educational philosophy (Nash, 2005) and confirmed that online learning has the orientation which is essentially in the form of ideology constructivist (Koohang & Harmon, 2005), where the combination of some knowledge of an activity and inquiry-oriented authentic and also promote the progress of the construction of new knowledge.

Learning objects independent of units of learning content in e-learning that is found as hybrid. Web-assisted fully oriented to deliver learning material in the classroom, facilitating communication, links to a variety of teaching resources in the form of a web. Hybrid model is able to incorporate the interactions face to face and online learning (Buzzetto-More & Sweat-Guy, 2006). Whole web can be a very effective learning objects as part of e-learning that is defined as an experience that can be delivered electronically which includes all materials and a variety of activities related to various instructions (Koohang & Harmon, 2005) teaching. According to Cohen and Nycz (2006) e-learning can have many economic and social benefits for the whole community?

### **Assuming Online Learning System**

Almost all schools that have primary and secondary, teachers have supplied many laptops for personal use and public use in the classroom teaching. In addition, teachers and students can work together to conduct research, share information through the network and share a broadband Internet connection that has been provided by the internet service. The number of teachers and

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elementary school principal who has been registered at the university even has increased rapidly since 2006. They have an important role in their school to become competent managers and teachers. They are expected to be someone who is professional and expert in the use of technology in their respective schools. Thus, the teachers and the elementary school principals should move forward with widely development for education and teaching skills.

Teacher preparation curriculum development can use to use ICT skills. Specific to the skills of ICT can be started from web design, windows movie maker, blogs, digital imaging, and web 2.0 applications. Some of them cannot be used in some schools but the program has been discussed repeatedly using the different strategy. Then, we are not able to directly identify the students to get perfect score and learning goal. Reflections on the role of principal to achieve the learning objectives as a technology leader has been described as the need to improve communication capability between teachers and students, application management, information processing, presentation skills, as well as the improvement of instruction to improve teaching quality of teachers. Through the ability to communicate, students will be able to use email as a form of discussion groups and blogs to communicate between parents and the school community. Memo already disappeared because it was rarely used anymore. Internet can save a database for teachers to be able to keep their records, inventory and this includes internet applications. Thus, it will make the teachers will adopt good decision based on the real facts that have been organized well.

Use of the power slide point will make the student and teachers describe the information that is very interesting and entertaining. Overhead projector and whiteboard will be more prevalent as a system in schools (Baynea, 2015). Internet technology has been able to empower the sources of knowledge when compared with other sources of information that will improve instruction in learning. Ranging from web 2.0 applications, online newspapers, computer technology, namely the Internet, which has proven to be a very important tool to improve learning in online learning system? Technology has many functions for the teacher, student and principal in many schools. They have over load with special work to enhance the skills of the use of ICT for training in the use of these technologies at the university. Some of the teachers and principals feel frustrated because they cannot follow the training at the university well. High expectations of learning in the university make teachers and students feel burdened. Improvement and development of ICT must be expectation and demand that must be considered. Therefore, critical evaluation of online learning system in theory and practice as well as a consistent evaluation of curriculum technology, information, communication and teaching that must be addressed to continue the improvement of future programs in universities and in schools. This led the researchers are challenged to conduct an investigation of the effectiveness of technology-based curriculum, including syllabi and teaching.

## Reflection of Online Learning System

Today, the online learning system is seen as an important element in the classroom because it has been used by new generation to communicate each other right now. Social media is one of integrated schools that can be used for enhancing the teacher's performance and leadership quality as the manager of the class to create effective teaching (Abulibdeh, 2013). Sockman and Sharma (2008) explains that the teacher or teachers have the opportunity to identify obstacle and discover how their beliefs about teaching needs to change to imply transformative teaching strategies using a fun way like writing a journal and reading. Yang (2009) indicates that reflective teaching and reflective practices play important roles in teacher's education, which is in support with the findings of Tsai (2009). The reflective practice and teaching reflective will be able to play an important role in teacher education.

Moreover, blog is a tool that can be used to help teachers and students to learn their experience that can be improved. Lili (2015) indicates that through blogging, people are able to document their reflections about things relevant to their daily life experiences. Based on the pedagogical potential of blogs as a means of self-reflection, this research suggests that utilizing a blog can reflect student learning experience of students.

However, according to Eric et al. (2015), understanding the users of information on the Web has many practical implications that could be enormous for businesses academically. Much of the researches and studies of the behavior of the students who are looking for an Internet-based information or skills that have been done over the last few decades that often involve undergraduate and graduate students at various universities. A number of studies who have identified that students prefer using the Internet to find the information that they need from the internet to reading traditional print sources because the internet source become fast, easy and valuable source (Aresta et al., 2015).

Nevetheles, a concern about the perpetrators of Internet-based information search in college is fast and easily accessible because of the availability of Internet access at the university. Information which resides in the web has led the competence of student learning by rote but they will feel blindly, unevaluated, excessive use of internet sources such as web (Graham et al., 2001).

Social networks include Facebook and webs gradually continue transforming education in several countries and ways of teaching in the classroom because the interactive is available in social media, they can participate so that they can create, edit or share information while traditional media for example television cannot be used as two ways communication, social media is a two-way conversation takes place where control is decentralized and open to the web or Facebook users as one of the teaching medium (Barczyk & Duncan, 2012). Facebook also can make the students appear their natural attitude (Barczyk & Duncan, 2013). As a result, students become less knowledgeable in exploration and collaboration in the search for answers, looking for great answer to overcome the issue. University students especially think that the web and social media such as

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Facebook is a way to motivate or engage students to become involved in their learning process (Junco, 2012).

Facebook, as one form of social media, has a lot of potential to be a very attractive instructional tool considering the popularity and familiarity of students with website and Facebook. Facebook as a medium of instruction can be seen in the achievements of the students who live in the world. Eighty percent of a billion users Facebook is person who lives outside the United States, it is proof that Facebook mechanisms involved in sharing information globally that facilitates dialogue among various cultures and ways of thinking critically.

In fact, Facebook is more focused on peer-to-peer interaction to enhance the learning experience in an informal atmosphere (Goodwin et al., 2010; McCarthy, 2013; Paris et al., 2015). In addition, many studies have shown that students have been using Facebook effectively to follow extracurricular and other activities (Ainin et al., 2015; Garcia et al., 2015).

However, there is an opinion that the success strategies to learn better when searching information manually when compared to find the source of the Internet. Weiler (2005) has said that the information searching process is subjective and the results will be influenced to conclude research scholars.

### **Online Learning System**

Many researchers find that there are many studies show the students will not be able to become self-sufficient in managing their own learning. This is the real fact that students were lost self-sufficient. They often do not know how to explore and find their own ways of learning without the assistance of a professor and teacher. Previous studies that have shown their support for autonomy as the choice, it will lead to meaningful learning outcomes such as mastery of higher learning (Guglielmino, 2013) and increased creativity (Koestner et al., 1984). That choice can lead to self-determination and self-learning (Shogren et al., 2013) it will promote the involvement their self-sufficient. This will enhance their further ability to finish each task. Furthermore, researchers have failed to address certain issues such as how to work, specific tasks and teachers' teaching style. Providing more choice in terms of choosing tasks and works in groups or individually is teachers' task.

It is also found in studies that use Facebook by making the material and then post the material, and then he started a dialogue on the written text and Analyze in the comments field on 62 colleagues' dam produces 148 units of analysis. The unit of analysis should not be a complete sentence, and it is recorded as a conversation in the sentence did not end with conventional punctuation marks, but instead contains or concluded with emoticons, or short symbols are often used to convey an emotion in a text-based environment. For a convenience, "comment box" will be used to be referre.

The effectiveness of online learning system was found that female students and education experts who perform teaching remotely have shown that there is an agreement between the teachers of previous students. In other words, it is difficult to decide whether subjects using a virtual or traditional classroom but online learning system need a lot of evaluation and improvement to be used optimally.

The results showed that the age will greatly affect their feeling of class society in a program that integrates online learning systems such as web and Facebook into instructional design which has been designed by the teacher. Students who have older age seem to be more susceptible to the effects of the use of Facebook than younger students; People who are younger may be more used to seeing media Facebook as a medium of learning is applied in their daily activities, for the person who has older, digital and immigrants may create new learning media (Bonk et al., 2015). Thus, people who are older than their classmates who have younger age will feel a greater sense of connectedness as a way of learning and Facebook media incorporated into instructional design their programs. In other words, Facebook is one of the media that is able to facilitate a greater sense of class society because of their novelty and added value also for younger students but for older students are less involved in higher education.

But there are many suggestions for each technology research that has been done. Based on these results, the following suggestions were made in order to make new 'Virtual Classroom' to be the best among for the students and teachers, an extra effort is needed. Further research can demonstrate that the strategic approach and precise about this; The relevance and utility of the approach 'Virtual Classroom' needs more in-depth examination and further in rural areas with many severe shortages just as the lack of power and lack of expertise of other disciplines such as social sciences or humanities. There are many more important research needs in these areas.

Even has expressed learning environment that face to face is the main requirement of students in the classroom teaching system (Bonk & Graham, 2004). Efforts is needed to enrich the traditional learning environment for teachers who wants present material to students but online learning will organize in non-formal education. Thus, the concept of class combines face to face and online learning opportunities that promote the concept of blended learning. Blended learning means that combine face to face class and online (e-learning) in delivering learning materials for students in the learning process more effective (Lim et al., 2007). Blended learning is able to combine the best features of classroom teaching and e-learning classes that encourage students to learn actively and independently and also shorten the meeting time in class (Dabbagh & Kitsantas, 2012). This can be discussed in blended learning have in certain aspects of learning (El-Khalili & El-Ghalayini, 2014; Santosa, 2015). One of the aspects of learning is a blend of online learning and offline learning. In this place, online means that the education is done via the internet; Visitors who do the learning in class and accessing the web or Facebook means of education is included in the traditional classroom. In the process of blended learning, flexible education can be done online and offline Littlejohn & Pegler (2007) provides a definition of learning about the benefits of face-to-face with the learning environment by using various technologies such as computers, the Internet and the

web as a form of blended learning. So, blended learning is a method of education is carried out remotely using technology and combined with traditional education. In blended learning environment, the students also get higher motivation than traditional classroom (Hansen & Hansen, 2013).

Blended learning environments can be designed class diachronic and synchronic with learning reasons. There is no limit of space and time available in the diachronic educational activities that will be implemented in the environment diachronic. Then determine the place and the right time to take part in activities will be important for the students. Documents, survey, module and test, an online study groups and discussion groups can be calculated and used as educational media diachronic broad. Synchronous requires to process real-time education as in face-to-face environment directly. In other words, the reasons diachronic educational activities require learners to be online simultaneously.

Web technology was also not applicable in the entire country of India because of the lack of accessibility of the Internet and the lack of electricity in the country so that Web technology should be combined in a virtual classroom and traditional. However, web technology should be introduced as web technology can improve the science (Christove & Mihai, 2010). It can be extra workloads for teacher if the teacher cannot handle the blog and guide the students to use web technology well (Boyaci, 2010).

#### 4. CONCLUSION

Online learning system must be well presented, managed and supported seriously, which can be used by students and teachers as well as people who are involved in education, and can be reused after use means there is no time limit. Then, the feedback created by instructional designers can use to improve the quality of the online learning system for enhancing students' skill. The students take all of these challenges in a positive way and they do not give up. They looked seek the help of other friends or family members to be able to master certain skills about learning technologies such as web and Facebook. Students are more motivated intrinsically and they decided to take the challenge and the effort to achieve the learning objectives.

Some students expressed with a variety of their appreciation to researchers and want to continue to learn deeper through online learning system specifically with the use of blogs and Facebook to be able to teach in the next class because they found interested feeling when they join English as most interesting subject. But we must understand that blended learning still needs to be improved, especially the interaction between teachers and students. If online learning is implemented fully, the students will feel very difficult to understand without the help of a teacher or instructor, especially for countries that have difficulty electric power and technology.

Teachers and students also need extra effort to be able to create a virtual classroom. Then, further research is needed to determine the appropriate strategy further student learning outcomes. And for this study required some investigation or research to be conducted some rural areas that are less use of electricity and other disciplines such as social and humanities.

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