THE USE OF E-LEARNING AS A LEARNING MEDIA IN THE PARTMENT OF MUSIC EDUCATION INSTITUTE CHRISTIAN RELIGION (STAKP) TARUTUNG

Eben Haezarni Telaumbanua

ABSTRACT

E-Learning as a media in education that provides a very important role and a great function for the world of education. E-Learning in a broad sense can include learning done in the electronic media (internet) both formally and informally. E-Learning is also a type of teaching and learning that allows the delivery of teaching materials to students by using internet media or other computer network media. The objective of this study is to discuss about e-Learning including function, characteristics, benefits and how it is delivered to users. There are three functions of electronic learning to classroom instruction, which is optional, supplement, or substitution. The methodology use to find out related information is through library research such as books, journal and website. Thus, many of prior researchers talked about e-Learning that most popular nowadays in international education. The benefits of E-Learning is to shorten the learning time and make the study cost more economical. E-Learning facilitates make easiest interaction between learners with materials or object, learners with lecturers or teachers or instructors and fellow learners.

Keywords: *E-Learning, Learning, Education.*

INTRODUCTION

Along with the rapid development of Information Technology (IT), the need for an IT-based learning concept and mechanism (education) becomes inevitable. The concept then known as e-Learning is bringing the influence of the process of transformation of conventional education into digital form, both contents and system. Currently the concept of e-Learning has been widely accepted by the world community, as evidenced by the widespread implementation of e-Learning in educational institutions (schools, training and universities) and industry (Cisco System, IBM, HP, Oracle, etc.).

In today's global era, agree or not, whether or not they have to deal with technology, especially information technology. This is because the technology has affected our daily lives. Therefore, we should not stutter the technology. Many research results indicate that who is late to master the information then too late opportunities to advance. The development of information and communication technology has an impact on various life joints. E-Learning as a learning media in education that provides a very important role and a great function for the education that has been charged with the many shortcomings and weaknesses of education such as limitations of space and time in teaching and learning process. That also emphasizes the efficiency in learning to get a full teaching even not face to face can also be accessed anywhere, anytime, in accordance with the task that is given in the teacher is usually scheduled with a deadline in the set. The development of education toward e-Learning is a necessity for the quality of education standard can be improved, because e-Learning is only one use of internet technology in the delivery of learning and broad coverage based on three criteria, namely: (1) e-Learning is a network with the ability to renew , storing, distributing and sharing teaching materials or information, (2) delivering up to the last user through a computer using standard internet technology, (3) focusing on a broader view of learning behind the traditional learning paradigm (Rosenberg 2001:28), thus in the urgency of information technology can be optimized for education.

In connection with the implementation of learning based on information and communication technology, the utilization of e-Learning as an alternative learning media, music education department STAKPN Tarutung need to prepare the necessary needs. LearnFrame.Com in Glossary of e-Learning Terms (Farhad, 2001) states that: e-Learning is an educational system that uses electronic applications to support teaching and learning in the medium of internet and computer network. To know the utilization of e-Learning by lecturers and students as media learning needs to be done in depth study.

Traditional learning system is characterized by the presence of meetings between students and teachers to conduct teaching and learning process (Ali et al. 2006). This method has been ongoing to date to meet the main objectives of teaching and learning, but in this concept faces constraints relating to limitations in place, location and time in the organization with the increasing activity of students and teachers. The paradigm shift of the learning system began to appear in the transfer of science. The current learning process tends to focus more on the teaching process, based on the content base, abstract and only for certain groups (in this process the teaching tends to be passive). Along in the development of ICT science and technology, the process of learning begins to shift in the learning process, based on the problem (case base), is contextual and not limited only to certain groups. In this learning process students are required to be more active by optimizing the existing learning resources.

DISCUSSIONS

Understanding e-Learning

E-Learning is an abbreviation of electronic learning, is a new way in teaching and learning process that uses electronic media, especially the internet as a learning system. E-Learning is the basis and logical consequence of the development of information and communication technology. Some experts try to describe the meaning of e-Learning according to their respective versions, including:

- 1) According to Allan J. Henderson, e-Learning is a distance learning using computer technology, or usually the internet (The e-Learning Question and Answer Book, 2003)
- 2) Henderson also adds that e-Learning allows learners to learn through computers in their own places without having to physically go to class.
- 3) William Horton explains that e-Learning is a web-based learning (which can be accessed from the Internet).

E-Learning comes from two words of 'e' and 'learning'. 'E' stands for electronic and learning is learning. So E-Learning or electronic learning is a learning that is implemented by utilizing the internet function in the learning activities by making electronic facilities as a medium of learning. E-Learning in a broad sense can include learning done in electronic media (internet) both formally and informally. E-Learning formally for example is a learning with curriculum, syllabus, subjects and tests that have been arranged based on the schedule agreed by the relevant parties (managers of e-Learning and own learner). Such learning is usually high level of interaction and required by the company on its employees or distance learning that is managed by universities and companies (usually consulting firms) who are engaged in providing e-Learning services to the public.

E-Learning also can be done informally with simpler interactions, such as through mailing lists, e-newsletters or personal websites, organizations and companies that want to socialize certain services, programs, knowledge or skills to the public at large (usually free of charge). E-Learning is a type of teaching learning that allows the delivery of teaching materials to students by using internet media, internet or other computer network media. To convey learning, e-Learning is always identified with internet usage. But actually the media is very diverse delivery of internet, internet, CD, DVD, MP3, PDA, and others. The use of internet technology in e-Learning generally with consideration has a wide range. There are also some educational institutions and companies that use the internet network as an e-Learning medium so that the cost is relatively cheaper.

E- Learning function

There are three functions of electronic learning to classroom instruction, which is optional, supplement, or substitution.

a) Supplement

Choose whether to use electronic learning materials or not. In this case, there is no obligation or requirement for learners to access electronic learning materials. Although optional, learners who use it will certainly have additional knowledge or insight.

b) Complement

It is said to function as a complement if the electronic learning materials are programmed to complement the learning materials received by students in the classroom. As a complement means that electronic learning materials are programmed to become reinforcement or remedial material for learners in following the conventional learning activities. Electronic

learning materials are said to be enrichment, if the learners who can quickly master or understand the subject matter submitted by teachers in face-to-face (fast learners) are given the opportunity to access electronic learning materials that are specifically developed for them. The goal is to further strengthen the level of mastery of learners on the subject matter presented by teachers in the classroom. It is said to be a remedial program, if the students who have difficulty understanding the subject matter presented by the teacher in face-to-face classes (slow learners) are given the opportunity to utilize electronic learning materials that are specifically designed for them. The goal is that learners more easily understand the subject matter presented by teachers in the classroom.

c) Substitute

Some universities in developed countries provide some alternative models of learning activities or lectures to their students. The goal is that the students can flexibly manage their lecture activities in accordance with the time and other activities of everyday students.

Characteristics of e-Learning

1. Utilizing information and communication technology services such as the internet so that the delivery of messages and communication of teachers and students easily and quickly.
2. Utilizing computer media such as computer networks (computer networks or digital media).
3. Using an independent learning approach. By using e-Learning, learners are required to release their dependence on the learner because learning is not done directly.
4. Learning materials can be stored on computer.
5. Use the computer for learning process and also know the progress of learning, education administration, and to know the information that many from various sources of information.
6. Utilize the learning schedule, curriculum, learning progress and matters relating to the administration of education can be viewed at any time on the computer.

Benefits of e-Learning

Benefits of e-Learning are as follows:

1. Improve the interaction of learning between learners with teachers or instructors (enhance interactivity).
When carefully designed, electronic learning can improve the level of interaction of learning, either between learners with teachers or instructors, between learners, and between learners with learning materials. This is different from the conventional learning. Not all learners in conventional learning activities can be brave or have the opportunity to ask questions or express their opinions in the discussion. This is due to the conventional learning, the existing opportunity or provided by the lecturer, teacher or instructor for discussion or questioning is very limited.
2. Allows interaction of learning anywhere and anytime (time and place flexibility).
Given the learning resources that have been packaged electronically and available for students to access through the internet, the learners can interact with this learning resource anytime and from anywhere. Likewise with the tasks of learning activities, can be submitted to the teacher, lecturer or instructor once completed. No need to wait until there is an appointment to meet with the lecturer or instructor.
3. Reaching learners in a wide range (potential to reach a global audience).
With the flexibility of time and place, then the number of learners that can be reached through electronic learning activities more and more widespread. Space, place and time are no longer an obstacle anyone, anywhere, and anytime that someone can learn. Interaction with learning resources is also done via the internet. Learning opportunities are truly wide open for anyone in need.
4. Simplify the refinement and storage of learning materials (easy updating of content as well as archivable capabilities).
The facilities available in internet technology and a growing variety of software help to simplify the development of electronic learning materials. Likewise with the refinement or updating of learning materials in accordance with the demands of scientific material

development can be done periodically and easily. In addition, improvements in the method of presentation of learning materials can also be done, both based on feedback from learners and on the results of the assessment of teachers, lecturers or instructors as the responsible or constructor of the learning material itself.

5. Easier to get material or info if we use e-Learning based learning system, we will be easier to find and get the material or info. Just type what we are looking for, wait a minute, we can directly the material.
6. Can get more material, not only from within the country, even we can find material that comes from abroad which will certainly add insight for us and also to improve our learning outcomes.

Learning is more effective and time efficient and energy If there is a task, we can find the materials we need quickly. Do not have to go around to get the materials we need. Stay sitting in front of a computer or laptop, then find what we need. After that, arrange the task and finished.

The benefits of e-Learning can also be seen from 2 points of view:

- a. Several benefits for students of electronic learning or e-Learning which are: Learning from where and at anytime (time and place flexibility). Increased learning interaction between learners with teachers or instructors (interactivity enhancement). Reach students in a wide range (global audience). Simplify the refinement and storage of learning materials (easy updating of content as well as archivable capabilities).
- b. Benefits for teachers with the activities of e-Learning is obtained by teachers or lecturers, among others, is that teachers, lecturers and instructors will be easier to update materials and teaching models in accordance with the demands of scientific developments that occur, also can efficiently control student learning activities.

E-Learning components are consists as follow:

1. **Infrastructure of e-Learning:** The necessary infrastructure in e-Learning such as personal computer, internet and multimedia compliance. That is include teleconference during surfing synchronous through teleconference.
2. **System and application of e-Learning:** Virtual system are needed and help the conventional student in class management, making of material, discussion, assessment, online learning and many more. The system is recognize as *Learning Management System (LMS)*. Benefit of LMS is open access throughout the world and the low cost among student to use in school and universities activity.
3. **Content of e-Learning:** The content and material could be in Interactive Multimedia-based Content or in Text-based Content. These stored in Learning Management System (LMS) whereas students can be access anytime and anywhere. Many of organization activate in develop learning session through multimedia. Some of organization provide free application for students at SMP, SMA and SMK to surfing internet. Besides that, scholarship also prepared for students whom taking course in technology of education. It is a step to moving forward ahead in education world.

While the existing actor in implementing e-Learning may be said to be the same as the conventional teaching and learning process, that is the need for a teacher (instructor) who guides, students who receive teaching materials and administrators who manage the administration and learning process.

Method delivery of e- Learning

In e-Learning method has several methods such as:

- 1) Synchronous e-Learning: coaching learners and learners in the same space and time even though different places.
- 2) A synchronous e-Learning: learning coaches and learners in the same space (virtual class), though in different times and places. Learning and learner coaches can do so based on the

research that has been done, then obtained a feasibility study on the utilization of e-Learning in the environment of music education majors STAKPN Tarutung.

1. Technical eligibility of e-Learning

Technically feasible that e-Learning has met the standards set to facilitate students and lecturers in the learning process. It is evident from the utilization of e-Learning that has been used efficiently by students and lecturers in the learning and teaching process which students can access the materials required through e-Learning. In addition, with the schedule settings that have been adjusted by the teaching then in the utilization of e-Learning as a medium in online learning can be balanced with the process of learning face to face.

In terms of e-Learning interface music department STAKPN Tarutung, already quite easy to understand by penguin, this is evident from the interfaces that are not so many kinds of links, which will be confusing for new users. Therefore, the possibility of human error will be very unlikely because of its e-Learning friendly. The security of using e-Learning music department STAKPN Tarutung is safe enough to login and access into e-Learning, all this in terms of registering by sending the name to the administrator of this registration will be confirmed with the lecturer have course resources to be entered. However, the gap of crime that arises for the occurrence of undesirable there is because the User ID used from the NIM can be exploited by crackers in the process of hacking on e-Learning by combination User ID and password User itself.

2. Operational eligibility e-Learning

In terms of operational feasibility e-Learning already meets the standards that have been set that is in use already meet the needs of students and lecturers. For example, students can easily access e-Learning whenever and wherever they are. This allows them to keep informed updates even when they are outside the area. As for the lecturers who teach with the e-Learning is helpful in the delivery of materials that may be cut out in face to face meetings. Furthermore, lecturers can also utilize e-Learning to make it as a medium to provide independent tasks that can make students play an active role in teaching and learning process.

3. Interface

In this section will explain somethings related about how to use e-Learning in music education department STAKPN Tarutung.

CONCLUSION

E-Learning is a type of teaching and learning that allows the delivery of teaching materials to students by using internet media or other computer network media. It is also that learning process utilizes information and communication technology (ICT) systematically by integrating all learning components, including learning interaction across space and time, with guaranteed quality.

The benefits of e-Learning is to shorten the learning time and make the study cost more economical. E-learning facilitates the interaction between learners with materials, learners with lecturers, teachers or instructors and fellow learners. Learners can be share information and can access learning materials at any time and over and over again, further strengthening their mastery of learning materials. With the e-Learning of teachers, lecturers or instructors will be easier to update the learning materials that are responsible in accordance with the demands of advanced scientific development, develop themselves or conduct research to improve insight, control learning activities of learners, learning from where and anytime (time and place flexibility).

Benefits of using e-Learning include flexible, saves teaching learning time, reduces travel costs, overall education costs (infrastructure, equipment, books) and reaches a wider geographic area. E-Learning features content is relevant to learning objectives using instructional methods such as examples and practices to help learn using media elements such as sentences and images to distribute content and learning methods. Learning also can be either directly with the instructor (synchronous) or individual learning (asynchronous), building new insights and techniques associated with learning objectives. E-Learning elements are what, how and why of e-Learning includes content, information, instructional methods and techniques that help people learn the content. Then how it is distributed

through computers in sentence and image form and why it is intended to help learners achieve their learning goals or do their work.

REFERENCES

- Darin E. Hartley. 2001. *Selling e-Learning*. t.ttp. American Society for Training and Development.
- Dublin, L. and Cross, J. 2003. *Implementing e-Learning: Getting the Most from Your e-Learning Investment*, the ASTD International Conference.
- Anon. 2001. *Glossary of e-Learning Terms*. LearnFrame.Com.
- Nasution. 2008. *Teknologi Pendidikan*. Jakarta : Bumi Aksara.
- Rice, William. 2006. *Moodle, E-Learning Course Development: A Complete Guide to Successful Learning using Moodle*, Birmingham, UK: Packt Publishing.
- Romi Satria Wahono, *Sistem eLearning Berbasis Model Motivasi Komunitas*, Jurnal Teknodik
- Saefudin Sa'ud & Udin. 2008. *Inovasi Pendidikan*. Bandung: Alfabeta.
- Triono & Lovi. 2007. *Urgensi Penggunaan dan Pengembangan Teknologi Informasi Dalam Pendidikan (e-Learning)*. (Online) <http://83ngko3l3n.files.wordpress.com/2007/11/e-learning.pdf>.
[25 April 2018]
- <http://elearning.unpad.ac.id> Powered by Joomla! [25 April 2018]
- http://id.wikipedia.org/wiki/Pembelajaran_elektronik [25 April 2018]