Optimization of GEL-Based Learning To Improve The Quality of The Maternity Nursing Lecture

by Sri Utami

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Abstract: The implementation of on-line learning method is at the beginning stage requires an explanation of the procedure for the implementation of on-line method and explain what can be learned from the internet that is given by a team of lecturers is appropriate expertise. The purpose of this research is to know the effectiveness of lecture-based on-line GEL (Good Effort to Learn) to improve the quality of Maternity Nursing lecture in Nursing Science Studies Program of the University of Riau. This research method is quasi experiment using samples 75 students as a group of experiments and 75 as control groups. The results of research can be seen that the values between groups of the experiment better than with the value of the group control. The majority of the group experiment got the value B+ (60.9%), students who get A value (39, 1%), and students get the lowest value is B+ (60.9%). Thus, the method of GEL is effective in improving the quality of the Maternity Nursing lecture in Nursing Science Studies Program at the University of Riau.

Keywords: Good Effort to Learn; Maternity; Nursing; Lecture

1. Introduction

Learning is an increase and change in cognitive ability, effective, and psycho motor towards better again. Student learning success is a result of the actions of a learning of teachers and students active role itself in carrying out the learning process (Mujiono and Dimyati, 2002).

Various methods have been done during the teaching and learning process as providing trigger case, seminar and discussion. Lecturers already gives an opportunity to the students to express capabilities of each student in achieving the competencies that have been determined. This condition is to foster student motivation to learn continuously (long life learning).

The process to get the changes done consciously, active, dynamic, systematically and continuously integrative and clear objectives (Jauhari, 2000). Learning Media is the media used in learning, including the tool of teachers in teaching as well as a bearer of messages from the learning resources to the recipient of the message to learn the students. The presenter and vars message, learning media in certain things that can represent the lecturer presents information learn to students. If the media program was designed and developed by good, then that function will be played brilliantly by the media even without the existence of the lecturers. In general the benefits of learning media is to facilitate interaction between the lecturer with students learning activities more effective and efficient.

Nursing is a profession in the hospital who was instrumental in the effort of maintaining the quality of health services with a maximum at the hospital, which is not necessarily with mentoring professors, nurses must still master the new science developments. On the standard of evaluation and quality control of nursing services warrants that described the existence of high quality nursing care and continuously involved in control programs in hospitals (Aditama, 2003). One of the scope of nursing is the Maternity Nursing. Maternity Nursing is a form of nursing that appropriate to the way provides services to all clients as needed and portions.

Since the introduction of the curriculum in 2004, educators in universities do their best to improve the learning of their students with a variety of learning methods that applied. In line with the implementation of a competency-based Curriculum (KBK), one of the efforts undertaken by the lecturer is an improvement method of learning. This continues to be done in order for the needs of the student can be served either in accordance with the competency-based Curriculum (KBK). So that students are expected to demonstrate knowledge and skills acquired in accordance with the established standards by integrating life skill.

The Safest way that the writer want to resolve the problem is to make the lecture on-line, where students must be ready every moment need information and when must perform the task. Lectures On-line is the technology-based learning that includes a number of applications and the process, including computer-based learning, web-based learning, virtual classrooms and digital collaboration. The implementation can be substantial web-based, web-distributed and web-capable for the purpose of education. Lectures on-line supports the concept of student continuous learning. Lectures on-line also supports distance learning to use a global network of computer.

On-line lectures is one of the interactive learning tools, where lecturers and students can communicate using the internet media. The lecturers can provide the material, both in the form of files, video, the writings or materials lectures in the form of other documents, provide important information to the student, read and provide answers to the questions given the student and include questions about the test also determine the effectiveness of the test to the student. While for the students can choose the class and subjects will be followed, students can get the lecture materials in the form of a file or reading material from the corresponding lecturer, send questions to the lecturer, send a contact on another student, see the information from the corresponding lecturer, and perform the test at the appointed time. Students can also view the results of achievement in writing module. Lectures on-line is a system of learning and training through the on-line system and offline that can be accessed students from anywhere and anytime. A program is designed in such a way to meet the needs of learning and training. Another thing to consider is the method of lectures on-line, besides easily in the making is also cheap and students will be more interested in participating in the lecture that is because it is not limited to conventional face-to-face in the classroom.

Methods that have been done to overcome the limitations of facilities and infrastructure that there is to make lectures on-line based on the GEL with the intent to overcome the limitations of the infrastructure. The GEL (Good Effort to Learn) is a site that was built using the Moodle program. In addition, in the lecture is presented lectures on-line with hope every courses which are available in all directions in Riau University and is majoring in nursing in particular can be accessed by students whenever and wherever they are located. For that, this research examines the regarding the use of on-line lecture GEL based Terlalu tua hamil I, > 35 tahun on Maternity Nursing courses.

The method that's been done to overcome the limitations of existing facilities and infrastructure is to make College on-line GEL-based with a view to overcoming the limitations of the infrastructure. GEL (Good Effort to Learn) is a site that is built using the Moodle program. In addition, in this lecture presented lectures on-line with the expectation of any courses that existed in all the majors at the University of Rial and Nursing majors in particular can be accessed by students whenever and wherever they are. Therefore, this research examines the lecture about the use of on-line GEL based on Maternity Nursing courses.

1.1 The formulation of the problem

The formulation of the problem proposed in this research is: How the effectiveness of the lecture on-line based on GEL to improve the quality of the Maternity Nursing lecture Research Method. Research design based on the goals of this research program is designed with the approach of "Research and Development", this means that a research program be continued with development program for repair or enhancement (Arikunto, 1996). To produce a prototype development of lecture GEL-based on-line to improve the quality of the Maternity Nursing lecture, taken the steps systematically in the form of action process, reflection, evaluation and innovation by applying the method of Quasi experiment using samples 75 students as a group of experiments and 75 control groups.

1.2 How to Troubleshoot

Internet (interconnect-networking) literally is a global system of the entire network of connected computers that use the standard Internet Protocol Suite (TCP/IP) to serve billions of users worldwide. While the Internet (the letter ' I ') is a common computer system, which is apropos globally and using TCP/IP as the Protocol Exchange packages (packet-switching communication protocol). The largest internet series called the Internet. How to connect the circuit with this method is called internet working.

The Internet is a computer network set up by the United States Department of defense in 1969, through the project of ARPA called ARPANET (Advanced Research Projects Agency Network), where they demonstrated how about computer hardware and software are UNIX based, we can communicate within the finite through phone lines. The ARPANET project designing networks, reliability, the extent of the information can be moved, and eventually all the standards they specify became the forerunner to the construction of a new protocol known as TCP/IP (Transmission Control Protocol/Internet Protocol).

ARPANET initially only 4 sites linking only i.e. Stanford Research Institute, University of California, Santa Barbara, University of Utah, where they form one integrated network in 1969, and in general the ARPANET was introduced in October 1972. Not long after the project is growing rapidly throughout the area, and all the universities in these countries want to join, thus making ARPANET trouble to set it up.

Therefore, the ARPANET was split into two, namely "for military purposes" MILNET and the ARPANET "smaller" for non-military purposes such as universities. The second combined network ultimately known as DARPA Internet, later simply referred to as the Internet. Thus, emergence can be seen from history that the internet was it used to access educational information.

The history of the internet in Indonesia started in the early 1990s. The internet network in Indonesia better known as parents group network, where the spirit of cooperation, family and work together very warm and felt in between the perpetrators. Based on the record and APNIC ARIN whois, Internet Protocol (IP) first from Indonesia, UI-NETLAB (192.41.206/24) registered by the University of Indonesia on 24 June 1988. RMS Ibrahim, Suryono Adisoemarta, Muhammad Ihsan, Robby Soebiakto, Putu, Firman Siregar, Adi Indrayanto, and Onno W. Purbo is some legendary names in the beginning of the development of the Internet Indonesia in 1992 until 1994. Each personal has contributed their expertise and dedication to build excerpts of the history of the computer network in Indonesia.

According to Kenji Kitao, at least there are 3 characteristics or the potential for the internet that can be used in daily life (Kitao, 1998), which is as a communication tool, appliance access information and the appliance education / learning.

a. The Internet as a communication tool that work very quickly.

To take advantage of the internet technology, the communication from one to many people (one-to-many communication) can be done simultaneously/ simultaneously, for example through e-mail, mailing list, or chatting in the same time and can be accessed quickly by user.

b. The Internet as a tool to access information.

Through the internet is that the information presented by various newspapers or magazines we can access without having to subscribe to. Someone can access a variety of reference, both in the form of research results and the article study results in various fields. No longer have to physically go to the library to find some references for the internet is the largest library of libraries in anywhere (Kitao, 2002). One simply just sit in front of the computer (course using a computer with a connection to the internet) facility and use it. The information is available and can be accessed through the internet is not only the present or occur in a country only but also happens throughout the world (global world). This means that the developments in the various countries can quickly known by many people. So also with the information regarding the field of education/learning. Someone does not need to be present in the classroom/lectures to follow the learning activities/lecture. Just from the place each equipped with a computer and internet connection facilities. With the support of this facility, learning activities can be implemented. This means that the learners can interact with the learning resources

both in the form of learning materials itself and with the instructor/teachers who built or responsible about learning the material.

c. The Internet as a tool of education/learning.

Development and advancement of internet technology rapid and sweeping all over the world have utilized by many countries, institutions, and experts for various purposes including to education/learning. Software that has been generated will allow the developers of learning (instructional developers) in collaboration with the experts of the material (content specialists) packing material of electronic learning (online learning material). Learning via the internet can be provided in several formats (Wulf, 1996), including: (1) Electronic mail (delivery of course materials, sending in assignments, getting and giving feedback, electronic discussion group), (2) Bulletin boards/newsgroups for discussion of the special group, (3) Downloading of course materials or tutorials, (4) Interactive tutorials on the Web, and (5) of Real time, interactive conferencing using MOO (Multiuser Object Oriented) systems or Internet Relay Chat.

Utilization of internet in the learning process will help education in improving the quantity and quality of attendees of his protege. Will be many learners that we can reach with the internet, according to Onno w. Purbo (1998) there are at least three things positively impact the use of the internet in education, namely:

a) learners can easily take courses anywhere around the world without limits or boundaries of State institutions.

b) learners can easily be learned on experts in the field of interest.

c) College or study can easily be taken in various parts of the world without relying on University or school where the students learn. In addition, now present a more dynamic internet libraries and can be used in the entire universe.

According to Onno w. Purbo (1997), there are five standard internet application that can be used for educational purposes, namely,

(1) Electronic mail (e-mail), introduced in 1971. This facility is often referred to as electronic mail, are the most simple and easy to use.

(2) Mailing List, were introduced after the e-mail i.e. since 1972. This is one of the facilities that can be used to make a group discussion or dissemination of information. The workings of the mailing list is the owner of the e-mail can join in a discussion group, or Exchange information that can not be intervened by people outside the group.

(3) News group, is a facility of the internet can do for communication between two or more people simultaneously or direct (synchronous). The form of this gathering is often referred to as the Conference, video conferencing, or text only, or can use the facilities with audio chat (IRC).

(4) File Transfer Protocol (FTP) via these facilities people can transfer data or files from one computer to the internet (up-load) so that it can be accessed by internet users in all corners of the world. In addition, this facility can take a file from the internet site into a user's computer (down-load).

(5) the World Wide Web or often called the Web were introduced in the 1990s. This facility is the largest set of documentation stored in different servers that are connected to a network (internet). This document was developed in format HTML (Hypertext Markup Language). Through this format made possible the occurrence of link from one document to another document and multimedia nature of this facility, which consists of a combination of text, photos, graphics, audio, animation, and video.

Internet technology to the forefront as a multimedia fine. Communication via the internet can be done in interpersonal (e.g. e-mail and chat) or en masse, which is known with one to many community (e.g. mailing list). The Internet is also able to present in real time audio visual as in conventional methods with the application of teleconference. Based on the internet as a medium of teaching is able to confront the typical characteristics, that of interpersonal and mass media, are interactive, allowing synchronous and asynchronous communication (snooze).

This characteristic allows the learners do the communication with the source of the science more broadly when compared to conventional media use only.

This research program gradually is done with the following activities:

1) did a study in library science and interdisciplinary analysis critical of previous research results that are relevant to the theme of research.

2) designing and implementing a preliminary study to generate a complete description about innovation and associated on-line GEL based on lecture courses in maternity nursing.

3) based on innovation and associated on-line GEL-based lecture courses on Maternity Nursing and a number of relevant theory, composed (developed) a prototype model and associated on-line GEL based on lecture courses in maternity nursing. Conduct seminars workshops with relevant experts and practitioners about the prototype model and associated on-line GEL based on lecture courses in maternity nursing. The target of this workshop seminar was forward "Textbook Model lectures on-line GEL based on Maternity Nursing lectures", who socialized at the site of the GEL, UNRI.ac.id.

4) Perform socialization innovation lectures on-line GEL based on coursework in Maternity nursing.

5) Perform tests to find out the effectiveness of innovation and associated on-line GEL based on coursework in Maternity nursing.

6) did a revision of innovation and associated on-line GEL based on Maternity Nursing based on the results of the tests as the final results of the research conducted.

7) After revision, held the models obtained raw about innovation and associated on-line GEL based on coursework in Maternity nursing.

8) to evaluate the implementation of the activities of the implementation of innovation and associated on-line GEL based on coursework in Maternity nursing.

9) Doing follow up implementation activities the implementation of innovation and associated on-line GEL based on coursework in Maternity Nursing.

2. Literature Review

1. The concept and Model of Learning

Learning is the process of interaction with educators and learners learning resources in a learning environment. Learning is the assistance provided so that educators can occur the process of acquisition of science and knowledge, mastery of skills and behavior, as well as the formation of attitudes and beliefs on students. In other words, learning is a process to help the learners to be able to study properly (Bandura, 1977).

The learning process is a process in which there is an interaction between the activities of teacher-student communication and reciprocal, which took place in educational situations to achieve learning objectives (Rustaman, 2001).

2. The Internet as a medium of instruction

Internet is a network composed of thousands even millions of computers, including the local network, which is connected through channels (phone, cable, satellite) and its scope covers the whole world (Suyanto: 2005). Internet first appeared in America in the 1970s: with a starting appearance of the TCP/IP (Transmission Control Protocol/Internet Protocol) by a study at Stanford University Of Utah. Before the advent of TCP/IP, the Americans have been using computer networks to connect first four sites, namely Stanford University Research Institute, University of California at Los Angeles, University of California at Santa Barbara and the University of Utah. This computer network called ARPAnet. Thus, emergence can be seen from history that the internet was first used to access educational information. According to Kenji Kitao, at least there are 3 characteristics or the potential of the internet that can be used in everyday life (Kitao, 1998), as a communication tool, a tool to access the information, and the tools of education/learning.

a. The internet as a communication tool that works very quickly. By utilizing internet technology, then the communication from one to many people (one-to-many communication) can be done simultaneously, i.e. for example/through e-mail, mailing lists, or chat in the same time and can be accessed quickly by the user.

b. The internet as a tool to access the information. Through the internet, the information presented by a variety of newspapers or magazines we can access without having to subscribe. One does not need more should be present in the classroom/lecture to follow learning activities/lectures.

c. The internet as an educational tool and learning. Development and advancement of internet

technology rapid and sweeping all over the world have utilized by many countries, institutions, and experts for various purposes including to education learning. Learning via the internet can be provided in several formats (Wulf, 1996), including: (1) Electronic mail (delivery of course materials, sending in assignments, getting and giving feedback, electronic discussion group), (2) Bulletin boards/newsgroups for discussion of the special group, (3) Downloading of course materials or tutorials, (4) Interactive tutorials on the Web, and (5) of Real time, interactive conferencing using MOO (Multiuser Object Oriented) systems or Internet Relay Chat.

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3. The development of Online learning GEL

According to Haughey (1998) there are three possibilities in the development of internet-based learning systems, i.e.:

(1) the Web course is the use of internet for educational purposes, which learners and teachers completely separate and not needed the presence of face-to-face. The entire learning materials, discussions, consultation, assignments, exercises, exams, and other learning activities are delivered entirely over the internet. In other words, this model uses a remote system.

(2) Web centric course is the use of the internet that combines distance learning and face-to-face (conventional). Most of the materials delivered over the internet, and partly through face-to-face. Its functions complement each other. In this model the teacher can provide instructions on the students to learn the subject matter through the web that he had made. Students are also given a referral to seek other sources of relevant sites. In the face-to-face, learners and teachers more discussion about the findings of the material that has been studied through the internet.

(3) Web enchanced course, is the utilization of the internet to support the improvement of the quality of learning is done in the classroom. The function of the internet is to provide enrichment and communication between learners with faculty, fellow students, members of the group, or students with a resource person to another. Therefore, the role of the teacher in this case is required to master the technique of searching for information on the internet, guiding students seek and find sites relevant to learning materials, presenting material via the web is interesting and attractive, serving guidance and communication through the internet, and other needed skills.

GEL (Good Effort to Learn) is a site that was built as a lecture forum on-line. On-line lecture Forum is based on Moodle. Moodle is a software package that is useful for creating and organizing courses/training/internet based education. Development framework designed to support social construction (social Construct) in education. Included in the Moodle model CAL + CAT (Computer Assisted Learning + Computer Assisted Teaching) called LMS (Learning

Management System), (Prakoso, 2005). LMS is a primary vehicle in the process of teaching and learning. A collection of software that is in the design for the settings on the individual level, the Lecture Hall, and institutions. The main character of LMS is a person who is a teacher and learners, and both must be connected to the internet to use this application.

MOODLE is an acronym for Modular Object Oriented Dynamic Learning Environment (Rice, 2006). Moodle at once a word that describe how want it reaches a goal, but it should be through a roadways – twists, do something planned to move other people (community), a pioneer that will build creativity and thought. It is applied when Moodle is made, and when the teacher and the learners the teaching activity in online training. Moodle is free as open source software (under the GNU Public License). This means that although copyright, Moodle still provide freedom for someone to copy, use, and modify it. Thus, each user must agree to give the source code (source code) of the originals to the other party, do not modify or remove the original license and copyright to him, as well as applying the same license against Moodle derived products.

Moodle can be directly without modifying the work on Unix, Linux, Mac OS X, Netware and other systems that support PHP. Included in most web hosting providers. Data is placed in a database. The best database on a Moodle is MySQL and PostgreSQL, and does not cover the possibility for use in Oracle, Access, Interbase, ODBC, and so on. Various forms of learning material can be included in the Moodle application. A variety of resources (resource) may be affixed as learning material. The paper writing that is written from a word processing application Microsoft Word, presentation material that originated from Microsoft Power Point, Flash animations and even material in audio and video formats can be affixed as learn material. Moodle supports the distribution of learning package to format SCORM (Shareble Content Object Reference Model), (William H, 2006). SCORM is a standard distribution of electronic learning package that can be used to accommodate a wide range of formats of learning material, either in the form of text, animation, audio and video. Using the format SCORM learning materials can be used anywhere on the other E-Learning application that supports the SCORM. It currently has a lot of E-Learning application that supports the SCORM format. Thus, between the institution, school or campus can Exchange E-Learning material for electronic learning materials support each other. Professors or teachers simply create an E-Learning material and save it in a file with the format SCORM and the learning material provide wherever that teachers or lecturers in charge.

Design and construction of Moodle is driven by a philosophy of learning. A way of thinking that someone is on the pedagogy of social construction (social construct ionist pedagogy). Some scientists have put forward the idea of "soft educational mumbo jumbo" where someone simply uses the mouse to gain an education. In its development, Moodle using four main concepts:

(1) the doctrine of constructive (Constructivis

This view is to keep the community actively construct new knowledge as they interact with the environment. When someone read, see, hear, feel and touch is an experiment towards a knowledge according to his own version. When it is in accordance with the world mentality then most likely it will be new knowledge for her.

(2) Understand construction (Constructionism)

Understand the construction confirmed that learning will be effective when constructing something for others. This can be anything from merely a sentence or send the file to the internet, up to complex works such as paintings, home, or software packages.

(3) Understand the constructive social (social Constructivism)

Understand this is a extension from previous ideas into the development of social groups. A collaborative culture to sharing the results of the work by way of sharing knowledge. When someone is in a culture like this, he will be learning all the time about how to be part of the culture, in the various forms of existing tiers.

(4) Connected and separate.

This idea appears more as a motivation of each individual involved in the discussion. A separate custom is when someone tries to find purpose and reality to maintain its own ideas using logic to find the weaknesses of opposing ideas. The habit of maintaining a more empathetic approach

is to accept the subjectively, trying to hear and answer questions with the aim to understand different points of view. Custom build is when someone is sensitive to both the existing approach while simultaneously being able to choose the right approach for her fit the situation. In General, the habits connected in a community is a strong stimulant in learning. He not only bridging people to get closer, but also encourage a deeper reflection and test the beliefs that have embedded (Prakoso, 2005).

Here's some of the learning activities are supported by Moodle are as follows:
(1) Assignment: the facility is used to give the assignment to the participants of learning online. Participants can access the learning tasks and materials put together the results of their duty to send the file with the results of their work.
(2) Chat: this facility is used to perform process chat (online conversations). Between teaching and learning participants can do dialogue text on-line.
(3) the Forum: a discussion forum on-line can be created in discussing a matter of learning. Between teaching and learning participants can discuss the topics studied in a discussion forum.
(4) Quiz: with this facility allows to carried out the test or the test on-line.
(5) the Survey: these facilities are used to perform the polls or polls.

2.1 Research Objectives
As for the goals of this research are:
1. Compare the ability between students before a given method of on-line teaching of Maternity nursing on the eyes with a college student who uses the concept of lectures, discussions and seminars.
2. Compare the ability of the students after using on-line methods on teaching of Maternity nursing with students who use the concept of lectures, discussions and seminars.

2.2 The Contribution of Research Results
Class action research is expected to generate:
In Theory
• Students have the opportunity to establish themselves in gaining an understanding of knowledge in depth
• Students can get extra knowledge can be accessed wherever there is internet and can be obtained at any time.
• Students are motivated to learn and try to keep active in the learning process.
• Foster the interest of students to use critical thinking ability, engage fully in seeking the occurrence process of learning an effective and responsible for the occurrence of an effective learning process.

In Practical Work
Lecturers
Help cope with the problems of the learning process and provide insight, skill and understanding of the methodology of learning to improve the quality of students.

Students
The student gets a deep learning experience learning through on-line methods and students more systematic during the study and can cultivate long life learning.
Program Of Study
On-line method can increase the intensity and streamline the learning quality improvement Maternity Nursing.

3. Material & Methodology

3.1 Research Design
Referring to the goal to be achieved, the program of research was designed with an approach of "research and development", meaning that a research program followed up with development program for repair or completion (Arikunto, 1996). To generate a prototype development of lecture-

based on-line GEL to enhance quality of Maternity Nursing lecture, systematic steps taken in the form of process action, reflection, evaluation and innovation by applying the method of Quasi experiment using a group of experimental and control group.

The population in this study are students of nursing science courses that take the eyes of learning Maternity Nursing. Samples that are used based on effect size 0.8 and power size 0.5 so that the amount of sample required is 75 people for a group of 75 people to experimental and control group. Research will be carried out for 6 months according to odd semester time running. Students will use the online lecture method on teaching of Maternity nursing, from the given case based on competencies to be achieved based on the student's curriculum.

The taking of the sample will be performed in purposive sampling with inclusion criteria:
• Students are taking the eye of learning Maternity Nursing and no other teaching material repeats.
• Student willing to become respondents

Implementation of methods online will do with some cycle, which consists of 2 cycles where each cycle comprising planning, implementation of the class action, observation and evaluation.

Cycle Planning

Lecturers included in team teaching of Maternity nursing discussion about the teaching methods will be implemented and what kind of case can be used for the implementation of on-line methods. The team also discusses how the implementation of learning with on-line methods

Implementation Of Class Action

On the implementation of the lecturer teams belonging to the group have been determined in accordance with the cases to be discussed. The lecturer acts only as a facilitator rather than as a teacher.

Observation

The observation was carried out by the facilitator during the learning process takes place. The facilitator remains mindful of the role of cognitive, psycho motor and effective student during the learning process, and this process is also documented in the photo. The facilitators also performed observation not only in a computer lab, internet, but is also done when students do a consultation in preparing materials and papers that will be made to make the assignment or transfer of science they can after self study with a different case.

Reflection

The evaluation is performed when the midterm. The results of tests compared to students studying Maternity Nursing but not using on-line methods. A team of professors discuss the learning outcomes achieved by the students after the midterm and obstacles faced facilitator as well as of students during the learning process.

Cycle II Planning

A team of professors who are involved in the implementation of the method of on-line discussion in the implementation method of the on-line and do sharing against constraints and findings that can improve understanding of the students in the study material learning of Maternity Nursing and designing formative tests.

Implementation Of Class Action

A team of lecturers implement the stages of teaching and learning activities in accordance with the method of on-line agreed upon and remain mindful of student competencies to be achieved. Facilitate and give advice to students who are doing the consultation papers will be collected, by means of:
1) Lecturer send material of lectures, send tasks, and provide feedback, 2) Lecture and student discussion in the special group, 3) Students download lecture or tutorial material, (4) interactive tutorials on the Web, and 5) real time, interactive use of MOO (Multiuser Object Oriented) system or Internet Relay Chat.

Observation

A team of professors keep doing observations implementation of on-line learning methods and noted obstacles occurred during the learning process. Analyze the results of the midterm.

Reflection

The results of the activities will be compared with the results of students studying Maternity Nursing but not using on-line methods after a midterm. Data is already collected about measuring results against students' competencies against the teaching of Maternity nursing will be analyzed using Paired t-test.

4. Results and Discussion

Implementation of the learning process by using on-line methods in teaching of nursing Maternitas eyes can be seen in table 3.

Table 3 Value of nursing Maternitas group experiments and group control

Learning Outcomes	Experiment (N=75)		Control (N=69)	
	n	%	n	%
A Value	9	3%	7	10.1%
A- Value	18	26.1%	14	20.3%
B+ Value	42	60.9%	18	26.1%
B Value			11	15.9%
B- Value			7	10.1%
C+ Value			2	2,9%
C Value			6	8,7%
D Value			2	2,9%
E Value			2	2,9%
Total	75	100%	69	100%

From the table above it can be seen that the values between the experimental group better than the value of the control group who did not use the method of online learning. The majority of the experimental group scored B + (37.8%), student who got an A (13%) and A + (26.1%), and students get the lowest rating is B + (37.8%). Whereas in the control group the majority gets the B+ value (16.2%), and students still earn a grade of C + (1.8%), C (8%), D (2.9%) and E (2.9%).

Table 4. comparison of the value of the average arrogant eyes Nursing Maternitasantara experiment groups with control groups

Group	Mean	SD	P.Value
Experiment (N=75)	79.36	2.14	0.00
Control (N=75)	68.13	23.24	

From table 4 it can be seen that with on-line methods can improve the results of the study with very significant (p < 0.00).

5. Conclusion

Application of on-line learning is at an early stage need explanation about the procedure of the implementation method of on-line and explains what can be learned from the internet, provided by a team of lecturers is appropriate experti Students take college material, send tasks, download the lecture or tutorial material with easy and interactive tutorials on the Web and in real time, interactive use of MOO (Multiuser Object Oriented) system or Internet Relay Chat.

Students can continue the activity with a discussion and a consul with the agreement of the same task, his old, over the internet. At the very first cycle takes longer in the implementation of learning than planned. This is because students are accustomed to using velum steps method of on-

line. But then, many students are accustomed to doing, as the next step after they have gone through the stage in the stages of on-line methods. Students continue to think how the process in the manufacture of paper for the task and the Consul, so inspired continues to find materials as a complement to his duties. This has always responded to complaints by the facilitator to avoid the absurd method of on-line so that is not the case of difficulty in the run and students are always being reminded and monitored through a message from the mailing list.

Increase the understanding of the majority of the students who had gotten 26.1% B is only done but after the execution of the method of on-line student majority has a value B + 37.8% and based on the test statistic t-Paired found very significant results where the value of $p < 0.00$. This is in accordance with the results of research conducted by Munzil (2011) that learning on-line methods can improve and develop the skills of students in learning so that competencies will be achieved more fully. On-line learning also enhances the ability of students to state an opinion without feeling ashamed, because the feeling wasn't direct face to face with lecturers and fellow students. So did research Kicken (2009) stating that the evaluation of on-line learning can improve the ability of students to formulate a needs study, choose a meaningful learning activities, and completing learning tasks.

There is a change in the results of the study by using the on-line method because this method facilitates students to study more in depth than the method of lectures and seminars that had applied. Application of on-line methods also provide a stimulus to the student who has experience of the practice to seek out more science and biased science transfer they already have to the group so that other students can easily understand what they learn together. This is in accordance with the opinion of the Mutmainah (2007) that students who learn in smaller groups will be more active and stimulating emotion of college students to play an active role in the learning process better.

In addition, students may feel encouraged learn more without having to require a place/classes, and downloadable materials are original there is the internet. From case/task given it turns out students also learn more and more deeply understand the meaning of the term stated in the case.

On-line method one of the learning methods that can be used to improve the understanding of the students for each lesson materials especially arrogant materials which began with the gift of cases/tasks. On-line learning methods have the stages of learning is useful to develop the capacity and improve the creativity of the students in learning. On-line learning methods can be used as suggestions to develop themselves students to always learn ever (long life learning). The lecturers Nursing Science Program can perform this method because especially for teaching materials related to health problems and patient care.

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