Moodle Preference Analysis
in Computer Science Faculty Students
at Soegijapranata Catholic University

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Abstract - **E-Learning refers to the activities in education that use electronic media and technologies to sharing, discussing, and evaluating the learning process. The eLearning system in Computer Science Faculty at Soegijapranata Catholic University (SCU) uses Moodle as the open-source course management system that is used for delivering, tracking and managing, training and education. Although eLearning with Moodle gives many features such as assignment submission, discussion forum, files download, grading, instant messages, online calendar, and many more; the actual use in daily learning activities in Computer Science faculty students at SCU has not been utilized well. Many of them did not know the actual use and benefits of eLearning and still used it for searching and downloading courses only. For that matter, it is better to formulize the strategy in using and creating the maximum benefits from eLearning program. This paper will discuss the opinion of the Computer Science faculty students about the integration of interesting features in the eLearning software to realize the actual use of eLearning program in order to optimize the benefit from the eLearning program.**

Keywords - **Education, E-Learning, Features, Moodle, Opinion**

1. INTRODUCTION

E-Learning refers to the activities in sharing the learning material, discussing the content, and evaluating the learning process using electronic media and information technologies [1]. The eLearning system in Computer Science Faculty at SCU uses Moodle as the open-source course management system that is used for delivering, tracking and managing training and education.

Moodle gives many features such as assignment submission, discussion forum, files download, grading, instant messages, online calendar, and many more. But, the actual use in daily learning activities in Computer Science faculty students at SCU has not been utilized well. Not all of the lecturers use eLearning system as their learning media. Many students also do not know the actual use and benefits of eLearning and they are still used it for downloading courses and submitting their assignments only.

To utilize the use of eLearning in learning process, a questionnaire is used to explore the students' opinion about eLearning. From the questionnaires, the conclusion could be made and a solution could be found to understand the problem.

2. MOODLE

Moodle or Modular Object-Oriented Dynamic Learning Environment) is known as free software for eLearning, a Learning Management System, or a Virtual Learning Environment [3] Moodle has several features considered typical of an eLearning platform, plus some original innovations (its filtering system). As a learning management system, Moodle can be used in many types of

environments such as in education, training and development, and business settings.

Some typical features of Moodle are Assignment submission, Discussion forum, Files download, Grading, Moodle instant messages, Online calendar, Online news and announcement (college and course level), Online quiz, and Wiki. Developers are still able to extend Moodle's modular construction by creating plugins for specific new functionality. Moodle's infrastructure supports many types of plug-ins such as activities (including word and math games), resource types, question types (multiple choice, true and false, fill in the blank, etc.), data field types (for the database activity), graphical themes, authentication methods (able to require username and password accessibility), enrollment methods, and content filters.

3. ELEARNING WITH MODDLE

In the Computer Science Faculty at SCU, E-Learning has not been utilized well. The questionnaires showed the actual condition in the implementation of eLearning system.

A. Knowledge about E-Learning

The result of the first 3 questions, "Do you know the existence of eLearning in SCU?", "Do you know what eLearning platform used by SCU?", and "In your opinion, what are the usage of eLearning system?" could be seen below.
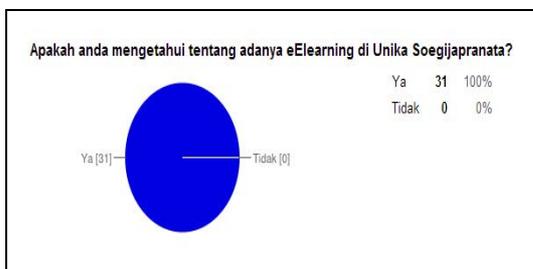
Fig 1. Result of the First Question, "Do you know about the existence of eLearning in SCU?"
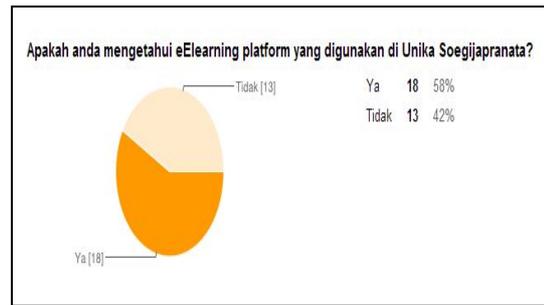
Fig 2. Result of the Second Question, "Do you know what eLearning platform used by SCU?"

Fig 3. Result of the Third Question, "In your opinion, what are the usages of eLearning system?"

From the graphics above, can be concluded that even though all of the respondents know the existence of eLearning, almost half of them did not know the platform used and consider eLearning as a media for downloading courses and submitting assignment only.

B. The Use of E-Learning in Learning Activities

The use of eLearning in the actual learning activities can be seen below.

Fig 4. Result of the Fourth Question, "Do eLearning really used in the learning activities?"
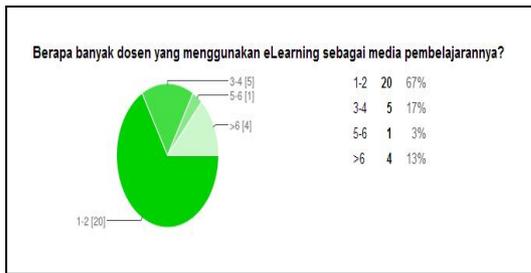
Fig 5. Result of the Fifth Question,
"How many lecturers use eLearning as one
of their learning media?"

From the tables above, it could be seen that eLearning has not been utilized well. Although it is already used in the learning process, only several lecturers use eLearning as their learning media.

C. The Importance of E-Learning

These are respondents' opinion and reason about the importance of eLearning.
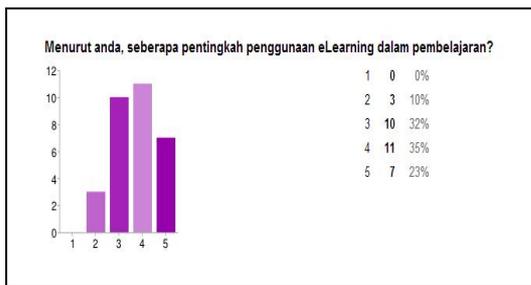
Fig 6. Result of the Sixth Question,
"In your opinion, how important is the use
of eLearning?"

The graphic above shows that many students consider eLearning as an important media for learning. The reasons to consider eLearning as an important learning media could be seen in Table 1.

TABLE I
RESPONDENTS REASON

Name	Im	Reason
Evan	3	Although it is important, the website is not interesting so the students lazy to visit
Daniel	4	Make the learning process easier
Putra	3	Not so efficient
Chandra	3	To submit assignment
Yonathan	5	To make the process of downloading and submitting assignment easier
Aldo	4	As a media to study outside class
Andrian	5	To get the courses easier
Maria	4	As a backup or so we still can learn even if we did not attend class
Febrian	4	So the students can download and submit assignment easier
Yoko	2	In reality, ELearning just used to submit assignment and downloading courses, just some of the lecturers using it. It's easier to use email
April	4	Make assignment submitting process become more practical, efficient and structured
Wisnu	3	Only several lecturers upload their courses to ELearning, we also did not have to focus just on the courses uploaded, there are still many resources that can increase our knowledge
Nico	3	As a communication media between lecturers and students
Ricky	4	So we can access the courses anytime and learn them better
Vania	5	As a media to discuss and learning online

Note: I = Importance ratting

4. SYSTEM MODELLING

From the results above, we can conclude that many respondents consider eLearning as one of the important learning media, but they still have not realized its actual benefits. Beside downloading courses and submitting assignment, E-Learning can be used as a communication and discussion media between lecturers and students or between fellow students. E-Learning also able to be used as online calendar, news and announcement, and also online quiz, polls and surveys.

Using Moodle has several advantages [2] such as the ability to be a Portal integration since all of the student registration is managed automatically and all of available courses is put in one place; Flexible content structure because Moodle offers a great deal of flexibility to organize the materials of learning; Better quizzes since it has a lot of features of quiz; and Better file management because of the easiness.

5. CONCLUSION

From the results above, we can conclude that even though eLearning has been used, the use of it has not been utilized well. It is better to regularly socialize the importance of eLearning to lecturers and students. If all the lecturers and student understand the actual benefits of eLearning and using it, the learning process will become a lot easier.

6. ACKNOWLEDGMENTS

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