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Content

Utilization of Edmodo as Part of Optimization Learning in Network

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Abstract: Edmodo is a form of learning application used by academics in order to carry out online learning. This research was conducted with the aim of informing more widely about Edmodo and describing how to use it to be able to optimize online learning. The research method used is a qualitative research method with a type of literature study. The results of the research conducted are that Edmodo has provided complete facilities in the context of implementing virtual learning. Intended as virtual learning because the learning process is carried out in the network. Educators (teachers / lecturers) have breadth in the implementation of classroom management because students can be made classes as classes in conventional learning. Educators can optimize the dissemination of information as well as in applications that have provided many features to make tests with various types of tests offered, educators can also provide assignments with predetermined collection times so as to optimize classroom management, educators can provide a direct assessment of the assignments students, giving awards with various types of awards. The advantage of using Edmodo is that there is no limit on space and time in learning because at any time it can take part in learning, it does not depend on the presence of educators in front of the class because wherever educators can still provide optimal learning.

Keywords: Edmodo; Learning; Networking

1. Introduction

The definition of education listed in Law No.20 of 2003 concerning the National Education System (National Education System) has basically described the objectives to be achieved through education. To obtain educational objectives optimally, interested parties continue to develop and innovate in the hope that these goals can be achieved. One form of innovation carried out by the government as the policymaker that regulates education in Indonesia is by updating the existing curriculum. Renewal of the curriculum is intended to improve educational outcomes, and the purpose of education, in general, can be achieved maximally.

The innovation that can be done by the teacher as the developer of the operational curriculum is to use a variety of media or a combination of learning strategies so that the learning process can run well and as expected. The demand for the development of information technology also requires teachers to be more creative in providing learning materials to students, one form of innovation to follow these developments is the development of technology-based teaching materials so that meaningful learning can be obtained by students.

Meaningful learning can also be done through virtual so learning does not have to meet with directly but can run as usual even though the educator is not in the classroom. The way of learning is virtual learning with the help of the Edmodo application.

The purpose of this research is to describe and provide an overview of Edmodo as part of optimizing learning in the network. The use of learning media that shifts from manuals develop using digital media as a means of delivering knowledge and knowledge as the terms and conditions applied today, with ICT-based learning in accordance with the 2013 curriculum that applies the scientific approach to achieving

Graduates Competency Standards that have been determined accordingly with subjects and levels of education. Where in teaching teachers are required to use ICT-based media to be easy in educating and guiding students to reach their competency standards? Digital learning can show students what to know and understand without having to look directly at what things should be learned. For example, the use of videos and images is now very easy to obtain through downloading on websites that provide a lot of what is needed. Through google, anyone can access and search for whatever they want easily and vary according to the uploader of the material on the website of the scientific service provider.

As an educator, of course, you have to adjust to technological developments in planning, implementing and evaluating learning. In this case, the teacher should equip himself with adequate IT mastery, in accordance with the learning needs in the subjects he is teaching. Primarily in carrying out learning that is not the only face to face in class but also conducts distance learning by utilizing one website or application that provides learning facilities in the network.

There are various kinds of websites that provide online learning facilities, such as e-learning from Moodle, Edmodo, schoology and other websites that facilitate online or distance learning. Edmodo has very broad benefits as a social network between teachers and students that can also be monitored by parents. Moreover, supported by a variety of advanced features that make the teaching and learning process more effective, efficient, and organized, such as polling features, grade books, quizzes, files and links, libraries, assignments, award badges, and parent code.

Subiyantoro (2013: 145-149) explained that Edmodo is a social learning network created by Jeff O'Hara and Nic Borg in 2008. Jeff O'Hara is a network administrator for the District 200 School Community Unit at the Wheaton, Illinois, while Nic is a web developer for Kaneland Community Unit School District 302 in Maple Park, Illinois, USA. The idea of Edmodo's development stems from the popularity of Facebook, which is coupled with a feature to ensure the security of interaction and collaboration between students and teachers. Because of the increasing need for online learning media. Edmodo later developed into one of the media/platforms in primary and secondary education used by more than 29 million users in the world.

Edmodo is a social networking based learning platform that is intended for teachers, students, and parents. Edmodo was first developed at the end of 2008 by Nic Borg and Jeff Ohara and Edmodo itself, arguably an e-learning program that implements an easy, efficient and more enjoyable learning system.

Edmodo is one of the fastest growing social networks in early 2011, as evidenced by the presence of around 1 million users in it. Only a few months later, users increased to 7 million people and finally in 2015, there were 50 million Edmodo users from various parts of the world. Edmodo is very helpful in the learning process. Edmodo provides a safe and easy way to build virtual classes based on a class distribution like in school. Edmodo's display design is almost the same as Facebook's design. With Edmodo, the teacher/lecturer can send grades, assignments, or quizzes to students/students easily.

Not only the teaching and learning process between students and teachers is increasingly facilitated, but teachers can also discuss with other teachers who are in other world learning, share teaching experiences, and so on. In the use of Edmodo, there are several things that need to be considered such as special codes for each class/group. If students want to join a group, students first know the special code of the group. Edmodo has several benefits in learning as follows:

a. Edmodo is a very efficient vehicle for communication and discussion for teachers and students.

b. With Edmodo, students one with other students can easily interact and discuss with the direct observation of the teacher.

c. In addition, Edmodo facilitates communication between teachers, students, and parents of students.

d. As an appropriate means for examinations and quizzes.

e. Teachers can provide teaching materials such as questions, photos, learning videos to students easily. In addition, students can also download the teaching material

f. With Edmodo, parents can easily monitor their children's learning activities.

g. Facilitate the teacher in giving questions from anywhere and anytime.

Edmodo's advantages according to Subiyantoro, et al (2013: 146-149) include:

a. Edmodo does not require age requirements because students are under the supervision of a teacher.

b. Virtual classes with closed group collaboration systems; only those who have group codes can take classes.

c. Management of learning content.

d. Evaluation of learning.

e. Edmodo also supports team teaching, co-teacher, and teacher collaboration and access for parents to monitor student learning activities.

There are lots of features offered by Edmodo to support the learning process. In Edmodo, there are many features including: Polling.
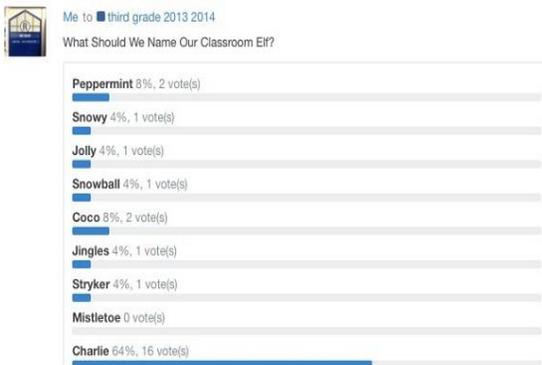

Figure 1. Polling Feature

Polling is one feature that can only be used by the teacher. This feature is usually used by the teacher to find out student responses about certain things. This Edmodo feature is a very good way to get instant feedback about an event that has just happened, a task, and so on. Polls can be used to make students understand the meaning of the science just learned. To use the polling feature, do the following steps:

a. On the group page that you have, click "Poll" on the top toolbar.

b. Type the question that will be used as a poll in the "Question" box.

c. Type the answer choices that you want to give to select students in the "Answer" box. If there are more answers to choose from, you can simply add additional answers by clicking "Add Answer".

d. Type the name of the student, teacher, or destination group for which you want to answer the poll.

e. You can choose to "Send Now" (if you want to send it right away) or "Send Later" (if you want to send it later at a certain time (tomorrow, tomorrow after tomorrow, etc.), or the term is scheduled) Gradebook.

Figure 2. Gradebook feature

The grade book feature is similar to student grades. With this feature, teachers can give grades to students manually or automatically. This feature also allows a teacher to manage the assessment of learning outcomes from all students. The rating can also be exported to a .csv file. In the Gradebook feature, the teacher holds full

access to this feature while students can only see the score in the form of graphs and direct ratings.

The grade book feature is very helpful for making a quick and organized value record. The teacher can easily add the assessment period to the Progress Book, add assignments and values to use the computer, and then monitor the values of each student easily. Organized data also makes it easier for teachers to monitor the progress of each student, his progress in the learning process, and the ranking of students in a class.

2. Research Method

As explained earlier, this research was conducted with the aim of describing the use of Edmodo as part of optimizing learning in the network. the method used is a descriptive qualitative method. A qualitative research method is a method used to examine the natural condition of objects where the researcher is a key instrument, the technique of data collection is triangulated (combined), data analysis is inductive and the results of qualitative research emphasize the meaning rather than generalization (Sugiyono, 2012: 1).

Data collection research is carried out by observation and documentation techniques. Data in qualitative research is obtained through literature, observation, and documentation which are then critically analyzed and compromised. According Riduwan (2004: 104) Observation is a technique of data collection, where researchers make observations directly to the object of research to see closely the activities carried out. So it was concluded that observation is a systematic observation and recording of the phenomena studied.

According to Sugiyono (2015: 329) documentation is a method used to obtain data and information in the form of books, archives, documents, writing numbers and images in the form of reports and information that can support research. Documentation used to collect data is then reviewed. The

documentation used in this study is documented in the form of books and other articles that are relevant to the discussion in this study.

3. Results and Discussion

Based on the analysis of the data that has been collected, the results obtained from the research conducted are that Edmodo is a closed social learning network that is considered unique compared to other social media services such as Facebook and Twitter because it provides and organizes privately safely for users. Each student has a personal access code provided by the teacher and this personal code allows students to join the Edmodo class. Therefore, no one else can join. In addition, there is no personal information needed from students to join, so it is truly safe.

These strengths can be used by teachers and parents calmly because they understand that students do not interact with others when they use Edmodo. Therefore, teachers and students can use it to connect online at any time to upload, exchange and share photos, documents, blogs, and web links and to collaborate and post ideas, notes, and messages.

Edmodo provides a safe and easy way for your class to connect and collaborate, share content and access work, grades and school notifications. Edmodo can help teachers build a virtual class based on real class divisions in schools, wherein the class there are assignments, quizzes, and grades at the end of each lesson. In other words, Edmodo is a Learning Management System (LMS) for learning. Edmodo has 4 main features, namely: I'm a Student (student), I'm a Teacher (Teacher), I'm a Parent (Parent) and School and District (To connect between School or District to Edmodo).

Edmodo as a service provider for online learning has many benefits for users both teachers, students, parents, and schools. Among these benefits are easy to use for students, teachers, and parents, can be

accessed online, without the need for a server that must be prepared by the school, free use and can be accessed through mobile phones, can be used for learning with students, teacher collaboration in one school, as well as between subject teachers (MGMP) in one city/district, Edmodo is always updated by the developer to improve features and services, can be used for discussions such as on social networks, present learning materials such as a library, and provide features for evaluations such as assignments or quizzes, can be used in project-based learning, and student-centered learning with lots of communication and discussion between students.

Notification function that is integrated with e-mail so that it reminds about new posts and assignments, has a Badge / badge feature that is given to students according to their achievements in a virtual class, and is safe because the learning target is only directed at students, classes or parents whom we mark meaning unmarked users cannot see, One of Edmodo's slogans is "Learn anywhere. Stay connected to your classroom, collaborate and share content from your mobile device. "Learning can be done anywhere, anytime and can be done from any device that supports this program.

Based on the analysis carried out, that Edmodo can be an important part of optimizing the implementation of learning in the network. Nevertheless, there are weaknesses for the application in schools that do not have internet access properly because it is clear that learning in the network means that it requires and requires optimal internet capacity.

4. Conclusion

Edmodo is a social networking platform with the provision of features for conducting online learning in the classroom and outside the classroom, by involving teachers, students and parents in a virtual class with students as learning centers or Student-Centered Learning with activities that can be controlled by the teacher safely because access can only be done by students in a virtual class or in a network. In addition, it can also be used to network between teachers in an MGMP group or between teachers in one area so that they can share knowledge and material and share perceptions in teaching and evaluating or evaluating students.

Distance learning or in networks through Edmodo is useful in the process of learning and supervision of students. Ease obtained through Edmodo features such as material presentation, assignment of assignments, assessment with essay or multiple choice questions without having to make manual corrections will make teacher's time effective in educating and assessing students authentically. The timeliness of assignments and replications given in the Edmodo virtual class and the activity of students in accessing their virtual classes can be used by teachers to assess students' attitudes, especially in the realm of discipline and honesty. In addition, it also helps schools, in this case, the curriculum for the learning assessment process because the value of students can be sent faster by the teacher because without making manual corrections that require a relatively long time.

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