
**THE EFFECTIVENESS OF EDMODO APPLICATION IN TEACHING WRITING OF
PROCEDURE TEXT**

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Abstrak

Along with the development of the world of technology and information, learning activities are also required to change. Learning by using the internet is known as e-learning. Many applications that can be used by teachers in teaching process is Edmodo. The purpose of this study is to determine the extend to which Edmodo can improve student learning outcomes in writing text procedures and want to know what factors influence it. This study used quantitative techniques with an experimental design. The research sample consisted of 40 people who were divided into two classes (control and experiment). Data collection techniques used were questionnaires, tests and observations. The results obtained were as follows: First, the students' scores after they were taught using the Edmodo Application were higher than before they were taught, so that means that the procedure of writing texts using the Edmodo Application is effective in improving students' writing skills. Researchers used statistical tests. From the table in SPSS 20 the computation showed the significance value (2-tailed) of this case the sample is 0.012 ($p < 0.05$). So the results of the initial test and final test underwent significant changed. Second, there were three factors that influence why the Edmodo application can improve students' writing skills in procedure texts such as the Edmodo Application is Easy to use, Students and Teachers can enjoy in the teaching and learning process.

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Introduction

The teaching of English at Junior High School in Indonesia is aimed to develop students' communicative competence in speaking and writing to achieve the functional level (*Departemen Pendidikan Nasional, 2006*). In other words, through the communicative competence, the students are expected to be able to communicate with other people and to express their ideas in writing using English

Based on education curriculum in Indonesia, students need to learn certain kinds of texts in Senior High School. It is based on *KTSP* or School-Based Curriculum that mentioned in Competence Standard and Basic Competence that there are five kinds of writing texts to learn in Senior High School, namely: narrative, recount, procedure, descriptive and report text. Problem of learning to write is partly because the students get little practice. In writing, students have to manage the structure, the diction, and the punctuation all at once. To be able to do those activities, the students need a lot of practice. In the classroom or outside, the students still get less practice in writing. The students may feel unable to write, so they rarely practice writing, while the teacher sometimes skips this skill for such reasons as time limitation

Using technology like Edmodo in writing classes provides opportunities for students to hand their written work to the teacher without the need for any face-to-face interaction, and an easy collaborative work

by the teacher and students at any time during the week makes them more motivated and creative than before and can increase their self-efficiency and success and help decrease their anxiety in the process of writing. Some teachers have welcomed these developments enthusiastically, seeing the integration of new technology-based pedagogies as a means of enlivening instruction, improving students' writing skills, and facilitating collaboration and interaction both within and beyond the classroom (Hyland, K & Hyland, F,2006).

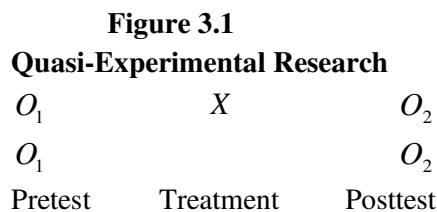
In the context of teaching writing, Edmodo is one of the effective tools. Edmodo is a free and secure learning platform which is free of advertisements, games and other distractions used to provide a simple way for teachers to create and manage online classroom, and enable students to connect with teacher and other students anywhere and anytime (Balasubramanian, Jaykumar, & Fukey 2014; Thongmak, 2013; ShamsAbadi, Ahmadi, & Mehrdad, 2015; Al-Khatiri, 2015).

In teaching writing, Edmodo has some advantages as follows: (1) it offers quick access to writing materials and assignments; (2) combined with particular approach or method or technique, Edmodo leads students to have better organization in writing; (3) Edmodo facilitates either teacher to give feedback on students' shared writing, or students to receive feedback on their writing from their peers and the teacher to make it as considerations in revising and editing their writing; and (4) Edmodo makes students more interested in writing (Stroud, 2010; Balasubramanian, Jaykumar, & Fukey, 2014; Purnawarman, Susilawati, & Sundayana, 2016; Shams-Abadi, Ahmadi, & Mehrdad, 2015).

Research Method

This research use a quantitative method. Quantitative approach is used for analyzing the statistic data that is students' pre-test and post-test score. This method used quasi experimental research. Experimental is the best of the quantitative designs which is used to decide probable cause and effect. Experimental research is the way to find a causal relationship (relationship clause) in determining cause and effect (Creswell, John W, 2012).

Ary et al (2006) states "Experimental research design is to enable researcher to estimate the effect of an experimental treatment". Experimental research can be done in the laboratory, in the class and in the field. In this study, the experimental research is done in the class with taking students as population. A researcher chooses the design to determine the validity of conclusions can be drawn from the study.



Where:

- O_1 = Pre-test score (before given treatment), it means pre - test was held by the researcher in order to measure students' writing ability before giving "Edmodo"
- O_2 = The test after experiment (post-test)
- X = The treatment by make a edmodo application

(Fraenkel & Wallen, 2009)

The population investigated in this study is the MTsN Sindangsari junior high School, Kuningan. For sample, the researcher would be the research in 9th grade of this school that consists of nine classes. They are 9A-9J that consists of 40 students for each class. So, the population of the 9th grade of MTsN Sindangsari . However, this research would took at 9H and 9J as objects of the research because in the experimental study research, it needs two objects as an control class and a experimental class. Class 9H and

9J have the same number of students in each class, which are 40 students. Thus, the number of students who will do become the object of the research is 80 students.

Data Collecting Techniques

The research was quasi experimental, pre-test and post-test would use pre and post-test that were given to both control and experimental group. The score from the pre-test were used to see that the initial ability of both groups was similar before conducting the treatment. On the other hand, the scores from post-test were used to measure whether the implemented game influence the experimental group or not.

Data Analysis of Research

In this research, the researcher used statistical data analysis technique to know the difference between the students' scores before and after being taught by Edmodo. There are many kinds of the formula of data analysis technique in quantitative research, i.e.: correlation product moment which is usually used to analyze the correlation between two intervals, and the other is t-test (experiment research). T-test is used to test for significance. T test is used to analyze experiment data which use pretest and posttest.

Result and Discussion

Researcher used percentage formula and divided the test into three criteria; those are good, fair and bad in student's vocabulary after and before taught by using Edmodo Application.

Tabel 4.14
Descriptive Statistics before and after using
Edmodo Application in Writing Procedure Text

	N	Minimum	Maximum	Sum	Mean	Std. Deviation
Pretes_Experimen	20	50	80	1280	64.00	8.826
Posttes_Experiment	20	60	90	1610	80.50	8.870
Valid N (listwise)	20					

Based on the table, it is known that before the students were taught using Edmodo Application, pretest control class has score minimum 50, maximum 80, sum 1.280, mean 64 and standard deviation 8.826. On other hand posttest in experiment class has score minimum 60 maximum 90, sum 1.610, mean 80.50 and standard deviation 8.870.

To find out whether is different of student's writing procedure text mastery before and after they are taught by using Edmodo Application, researcher used percentage formula and divided the test into three criteria; those are good, fair and bad. It means that when the student get (80 – 100) they will get good score. When the students get (60 -79), they get fair score. Bad score is got by the students when get (50 – 59).

Table 4.15
The percentage of student's
after they were taught using edmodo application

Criteria	Before using Edmodo (100%)	After using Edmodo (100%)
Very Good (80 – 100)	5	35
Fail (60-79)	50	60
Bad (50 – 59)	45	5
Total	100	100

Based on the table, it shows that in general student's achievement in good criteria is more 35% is higher than 5%. The students score after they were taught by using Edmodo Application is higher than before they were taught, so it means that writing procedure text using Edmodo Application is effective in improving student's writing skill.

From the table in SPSS 20 computing showed the significance value (2-tailed) of this case sample was 0.012 ($p < 0.05$). So the results of the initial test and final test underwent significant changes (meaning). Based on descriptive statistics the initial test and the final test prove the final test is higher. Where H_0 which state that there is significant effect of using Edmodo Application on students' achievements in writing procedure text is rejected.

The results showed that there were significant differences in the ability to write procedure texts with Edmodo application and students who are not taught with Edmodo application. This is based on the results of the analysis of the dependent sample t test in which the significance value is obtained.

Based on this conclusion, the hypothesis is H_1 is accepted and H_0 is rejected. In other words, there is a significant difference in the ability to write student procedure texts between classes taught with Edmodo application and classes not taught with Edmodo application. It has been explained previously that the average value of interest in learning English obtained by students for the two groups / classes basically has differences and the average is in the high category.

From the data above the researcher says that Edmodo is a social network designed for teacher or student interaction with an emphasis on quick communication, polling, assignment sharing, and more. Through the analysis of the findings.

The students' writing pre-test and post-test, it was concluded that the contribution of Edmodo in writing led to a higher level of writing improvement. Using Edmodo facilitates students in submitting their works, sharing knowledge, knowing their progress, trying to be actively participating in the teaching and learning process, interacting with each other without face-to-face meeting, and so on. The findings revealed that after using Edmodo.

In the post-test, the students' scores were significantly better. Therefore, consequently, after doing some statistical tests indicating that Edmodo was effective, the researcher concluded that Edmodo is a useful way of increasing students' achievement in writing procedure text and can play an important role in teaching writing to the eighth graders of *MTsNSindangsari*.

Data interpretations of factors that improve students' ability in writing procedure by Edmodo Applications

There are three factors that influence why Edmodo application can improve student' writing skill in procedure text :

a. Edmodo is Easy to used

Many social media applications that are beneficial for education. One of them is Edmodo application. The application offers convenience in class discussions because the features possessed in the Edmodo application affect the learning process online. In addition, the application can be used by everyone, ranging from parents, teachers, and students because it can be accessed through their mobile phones. Through this application, parents, teachers, and students can join in the same class group with different features. That way, parents and teachers can easily monitor student learning activities online.

The lack of distance as an impact of the internet can be utilized as one of the alternatives of learning. According to the researchers, because of the nature of the internet that can be contacted at any time, it means that students can take advantage of educational programs provided on the internet at any time according to their free time so that the space and time constraints they face in finding learning resources can be overcome. With the rapid development in the field of communication, multimedia and information technology; listening to lectures, taking notes on paper is certainly out of date.

This easy access to the internet can reach all parts of the world enabling various innovations in the field of education, namely facilitating the connection of students with educators, one of them by utilizing Edmodo. Edmodo is a school-based social network developed by Nicolas Borg and Jeff O'Hara, with features supporting the teaching and learning process. Edmodo can be accessed freely at <http://www.edmodo.com> by teachers, students and parents of students. Edmodo has been widely used as Professional Development Tools by many education practitioners at the U.S, such as Lia Nielsen and Marianthe Williams.

So the first factors Edmodo can improve students' learning ability are easy to use. This is supported by communication tools that are already owned by the students. They can easily express in writing especially English in the material procedure text.

b. Students can enjoy in teaching learning process

In essence this platform is easy to learn and easy to use, especially for teachers who consider themselves outside the current technological knowledge base. Edmodo provides an environment where teaching and learning can produce student excitement, students become more independent, without forgetting the standards of measuring student success. It is undeniable that students will like learning through this media, and when students feel happy their desire to be able to overcome new and difficult material will increase. Edmodo is one way to build student enthusiasm for learning.

c. The students, teacher and parents can communicate easily

Various information related to learning can be accessed easily through the Edmodo application. At home, students open the Edmodo application to discuss assignments together with their friends rather than just playing games or other social media. This is because the teacher can easily give assignments to students online so that the playing time is widely used for learning. In addition, parents can also monitor their children's learning activities at home.

With Edmodo, students are expected to be able to make better use of cellphones and in accordance with learning needs. Student activeness can also be explored through discussion in the account. Students can also download material files and even upload their assignments. But this must be a collaboration between teachers and parents to improve student learning achievement. Teachers can give direction, lead discussions, and give assignments online. While parents can supervise their children's learning process.

Conclusion

The students score after they were taught by using Edmodo Application is higher than before they were taught by using Edmodo. If we are compare to control class, the score is lower than experimental class. So, we can conclude that teaching procedure text using Edmodo is effective. From the table in SPSS 20 computing showed the significance value (2-tailed) of this case sample was 0.012 ($p < 0.05$). So the results of the initial test and final test underwent significant changes (meaning). Based on descriptive statistics the initial test and the final test prove the final test is higher. Where H_0 which state that there is significant effect of using Edmodo Application on students' achievements in writing procedure text is rejected.

The conclusion of hypothesis are :

a. Null Hypothesis (H_0)

The use of Edmodo Application does not enhance students' ability in teaching writing procedure text.

b. Alternative Hypothesis (H_1)

The use of Edmodo Application enhance students' ability in teaching writing procedure text.

There are three factors that influence why Edmodo application can improve student' writing skill in procedure text such as Edmodo Application is Easy to used, Students and Teachers can enjoy in teaching learning process.

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