

THE EFFECTIVENESS OF MP4 VIDEOS IN WRITING PROCEDURE TEXT (AN EXPERIMENTAL STUDY OF ELEVENTH GRADE STUDENTS OF MA ISLAMIYAH MALO IN THE ACADEMIC YEAR 2019/2020)

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Abstract

Abstrak. This research, aimed to know whether the use of mp4 video media was effective or not for teaching writing of procedure text to the eleventh grade students of MA ISLAMIYAH MALO in the Academic Year of 2019/2020. This research was quantitative method in the form of quasi-experimental design. The participants of this research were the eleventh grade students of MA ISLAMIYAH MALO in Academic Year of 2019/2020. The experimental group were the students who taught by using mp4 video and the control group were the students who taught by using jumbled picture. The mp4 video and jumbled picture are media that can be used to support teaching and learning process in the classroom. Both of them can be used by teacher to convey the material to the students. Thirty students from total one hundred and sixteen students as the sample. The sampling technique used in this research was cluster random sampling. The researcher used tests were used to collect the data.

The data was analyzed by using t-test formula. The result of calculation showed that in the significance degree of 5% the value of t score (t_0) > t table (t_t) ($3.191 > 1.753$). it means that t score is higher (3.191) than t table (1.753). It showed that there was a significant difference between the students who were taught by using mp4 video and those were taught by using jumbled picture. It can be concluded that MP4 video was more effective to be used to teach procedure text writing.

Keyword: MP4 Video, procedure text, writing.

Abstrak. Penelitian ini bertujuan untuk mengetahui apakah penggunaan media video mp4 efektif atau tidak dalam pembelajaran menulis teks prosedur pada siswa kelas XI MA ISLAMIYAH MALO Tahun Ajaran 2019/2020. Penelitian ini merupakan penelitian kuantitatif dalam bentuk rancangan eksperimen semu. Partisipan penelitian ini adalah siswa kelas XI MA ISLAMIYAH MALO Tahun Ajaran 2019/2020. Kelompok eksperimen adalah siswa yang diajar dengan menggunakan video mp4 dan kelompok kontrol adalah siswa yang diajar dengan menggunakan gambar campur aduk. Video mp4 dan gambar campur aduk merupakan media yang dapat digunakan untuk mendukung proses belajar mengajar di kelas. Keduanya dapat digunakan oleh guru untuk menyampaikan materi kepada siswa. Tiga puluh siswa dari total seratus enam belas siswa sebagai sampel. Teknik pengambilan sampel yang digunakan dalam penelitian ini adalah cluster random sampling. Peneliti menggunakan tes digunakan untuk mengumpulkan data.

Analisis data menggunakan rumus uji-t. Hasil perhitungan menunjukkan bahwa pada taraf signifikansi 5% nilai t hitung (t_0) > t tabel (t_t) ($3,191 > 1,753$). Artinya t hitung lebih tinggi (3,191) dari t tabel (1,753). Hal ini menunjukkan bahwa ada perbedaan yang signifikan antara

siswa yang diajar menggunakan video mp4 dan siswa yang diajar menggunakan gambar campur aduk. Dapat disimpulkan bahwa video MP4 lebih efektif digunakan untuk pembelajaran menulis teks prosedur.

Kata kunci: Video MP4, teks prosedur, penulisan

INTRODUCTION

English is a foreign language for the Indonesian people. It is also the second language used in many countries, It is important to be able to master it well. English is divided into four language skills, there are listening, speaking, reading and writing. Writing is one of the skills that students must master. This is very useful for students because it can convey their ideas through their minds in written form. Based on the fact, writing skill has crucial role. It has many rules in very single word that would be written. Writing is not only developing the ideas into the paper but also attending the rules of the writing process carefully.

Writing not only arranges words into sentences, but also connects words into sentences, paragraphs, and orders paragraphs into text. It also requires grammar and lexical knowledge, understanding in applying grammatical knowledge. There are several sub-skills involved in writing. Some of these are generally taught at the elementary level, such as spelling, punctuation, capitalization, and grammar (Cornbleet and Carter, 2010: 7). In learning writing, someone has to understand vocabulary, grammar, spelling, punctuations, and others that are related to the writing process. On the other hand, in teaching students writing, it needs to produce the language through written. The students have to be able to choose the words or diction and then arrange them into acceptable sentence or good sentences. According to Jack C. Richards writing is the most difficult skills for second language learner to master of putting together strings of grammatically correct sentence. (2002: 303)

Based on the syllabus, there are several types of texts taught in high school, one of them is the procedure text. This is a genre given to the eleventh grades students. Based on observation at MA ISLAMIYAH MALO, there are many students who have difficulties in writing English. There are several factors that students might think that writing is difficult. First, they find it difficult to gather and organize their ideas into paragraphs. Second, they have difficulties in expressing their ideas and emotions creatively. In fact, they waste too much time thinking about what they are going to write. Sometimes, they are difficult to start writing because they cannot arrange their ideas in writing procedures text well.

According to Harmer (1991: 257) excessive use of textbooks and thus repeatedly following the order in each unit can become tedious, and routine textbooks will become increasingly monotonous. To use video as an alternative to making the process of writing teaching procedures text effective. Harmer (2003: 290) states that video can be improved simulation, because video presence helps students feel more realistic.

Video is one of the media. The types of file formats for video include FLV, MP4, AVI, MKV, 3GP, DVD and VCD. MPEG-4 sub-section 14 or better known as MP4 is a digital audio and image video encoding file format issued by an MPEG organization. Mp4 video that can be used by teachers to teach their students. This helps teachers to transfer material related to the lesson procedure text. Can provide more

detailed information about objects in content. That can give imagination about mp4video content related to the material. The students watch the mp4 video while they pay attention to the scene and they know what is in the video. Based on the explanation above, the researcher uses the media to teach and deliver the procedure text material so that the researcher wants to justify the effect of using video in teaching procedures to write text effectively or not rather than using jumbled picture. So the researcher is interested in conducting a study entitled "The Effectiveness of MP4 Videos in Writing Procedure Text" (An Experimental Study of Eleventh Grade students of MA ISLAMİYAH MALO in the Academic year of 2019/2020).

RESEARCH METHOD

This research was experimental research. An experiment is scientific investigation in which the researcher manipulates one or more independent variables, controls any other relevant variables, and observes the effect of manipulations on the dependent variable. This study was used quasi-experimental design. According Sukmadinata (2011 : 59), "Quasiexperimental basically the same as a pure experiment, the difference is in the control variable". It control only performed one variable which is variable in view of the most dominant. While Donald Ary (1989: 265) says that Quasi-experimental designs are similar to be randomized experimental designs in that they involve manipulation of an independent variable but differ in that subjects are not randomly assigned to treatment groups. So, in this research, the population was all of the eleventh grade students of MA ISLAMİYAH MALO. The number of the population is 116 students. There were two classes of the eleventh grade students at M ISLMİYAH MALO.

The sample of this research was 15 students of XI IPA 2 and 15 students of XI IPA 1. According to Arikunto (2010: 174) sample is a part of population to be researched. It means that sample is a part of population from which the research data are obtained. From the statements above, the researcher only took two classes as the sample. The data of this research was quantitative data.

To obtain the data, researcher gave the pre-test and post-test to to both experimental group and controlled group. The research involves two different classes; in the experimental group, researcher used mp4 video as the media of teaching writing of procedure text, and in the controlled group, researcher use jumbled picture as the media in teaching writing of procedure text. The instrument of the research was test. Before instrument was used to collect the data, researcher had to give pre-test to the eleventh grade students of MA Islamiyah Malo. There were 15 students as the respondents of the pre-test. They had to write down the test, in this case (the procedure text), that consisted of goal, materials and steps. The data which were analyzed in this research was the result of the test. After giving to both groups, the researcher gave a test to the students. In this research the researcher used same material but the media used were different, and after treatment the researcher gave a test to the students.

The scores of the students were compared using t-test formula to prove whether there is any significant difference between the two groups and to find which group has higher scores. After teaching procedure text writing process was done at two classes that were XI IPA2 (Science 2) as the experimental group and XI IPA1 (Science 1) as the control group, here the result of the writing achievement. The researcher got the data from the post test

was given after treatment finished. Then, the data are explained in detail. It includes the mean, mode, median, and standard deviation.

The Mean score was obtained by using formula:

$$\bar{X} =$$

Then, the standard deviation was also calculated by using formula:

$$s = \sqrt{\frac{\sum (x - \bar{x})^2}{n}}$$

The data of pre-test and post-test score was analyzed and interpreted based on the scoring interpretation of students' achievement. The researcher also was used t-test. The formula of t-test was as follow:

$$t = \frac{\bar{x}_1 - \bar{x}_2}{\sqrt{\frac{s^2}{n_1} + \frac{s^2}{n_2}}}$$

Where :

- \bar{x}_1 = the mean score of the experimental group
- \bar{x}_2 = the mean score of control group
- n_1 = the number of the experimental group
- n_2 = the number of the control group
- s = standard deviation
- s^2 = variance

FINDING AND DISCUSSION

The purpose of this research is to know whether there is an effectiveness of using MP4 video in teaching procedure text writing. This research was conducted at the eleventh grade students of MA Islamiyah Malo in the academic year of 2019/2020. The researcher took XI IPA2 (Science 2) as experimental group which was taught using MP4 video and XI IPA1 (Science 1) as the control group which was taught using jumbled picture.

After teaching procedure text writing process was done at two classes that were XI IPA2 (Science 2) as the experimental group and XI IPA1 (Science 1) as the control group, here the result of the writing achievement. The researcher got the data from the post test was given after treatment finished. Then, the data are explained in detail. It includes the mean, mode, median, standard deviation, and frequency distribution.

In the following description, the research finding is presented below.

a. Experimental Group

Descriptive analysis of the data of students in experimental class shows that the scores are 64, 64, 68, 70, 72, 75, 79, 79, 80, 81, 82, 83, 85, 87, and 87. From the data the lowest score is 64, while the highest score is 87. The mean is 76.7, the mode is 82.2, the median is 75 and the standard deviation is 6,90.

Tabel 1. Frequency Distribution of Writing in Experimental Group

Class	Class				
Limit	Boundaries	Median	Tally	F	Percentage
4-67	63,5 – 67,5	65,5	II	2	13,33

68–71	67,5 – 71,5	69,5	II	2	13,33
72–75	71,5 – 75,5	73,5	II	2	13,33
76–79	75,5 – 79,5	77,5	II	2	13,33
80–83	79,5 – 83,5	80,5	III	4	26,67
84–87	83,5 – 87,5	85,5	III	3	20,00
Σ				15	

Tabel 2. Frequency Distribution of Writing in Control Group

Class	Class				
Limit	Boundaries	Median	Tally	F	Percentage
64-67	63,5 – 67,5	65,5	II	2	13,33
68-71	67,5 – 71,5	69,5	II	2	13,33
72-75	71,5 – 75,5	73,5	IIII	5	33,33
76-79	75,5 – 79,5	77,5	IIII	4	26,67
80-83	79,5 – 83,5	80,5	II	2	13,33
Σ				15	

b. Control Group

Descriptive analysis of the data of students in experimental class shows that the scores are 65, 65, 67, 70, 71, 72, 74, 75, 75, 75, 77, 78, 79, 82, and 82. From the data the lowest score is 65, while the highest score is 82. The mean is 73.9, the mode is 74.5, the median is 74.3 and the standard deviation is 4.78.

c. The Test of Hypothesis

The researcher then analyzed the data by using independent sample of t-test formula with degree of significance 5%. Independent sample of t-test is aimed to know the influence

of mp4 video to teach procedure text writing. The value of T-test score is known that T-test (3,191) is higher than Ttable (1,753). It means that there is significant difference in teaching procedure text writing for the students taught by using mp4 video. It shows that Ha is accepted and H0 is rejected.

From the resulted on the above analysis, the value of t-observation score i.e. 3.191 is higher than t-table score i.e. 1.753. it means that the Null hypothesis (H0) is rejected and the Alternative hypothesis (Ha) is accepted. The followings are the Null

and Alternative hypothesis of this study.

1. Alternative hypothesis (Ha) teaching writing of procedure text by using mp4 video is effective to the eleventh grade students of MA ISLAMIYAH MALO.
2. Null hypothesis (H0): teaching writing of procedure text by using mp4 video is not effective to the eleventh grade students of MA ISLAMIYAH MALO.

In other word, this study accepts hypothesis which states the teaching of writing of procedure text by using mp4 video is effective to the eleventh grade students of MA ISLAMIYAH MALO.

CONCLUSION

According to the result of the analysis of the research in the previous chapter, it can be seen that t-test score is 3.191 while the value of t-table in the significant degree of 5% is 1.753. So, the score of t-test is higher than t-table or $3.191 > 1.753$. Then, it can be concluded that the alternative hypothesis (Ha) is accepted while the null hypothesis (H0) is rejected. It means that there is significant difference in teaching procedure text writing between the students who were taught by MP4 video and those were taught by jumbled picture. It proved that teaching procedure text writing using MP4 video is more effective.

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