THE INFLUENCE OF USING WATTPAD APPLICATION TOWARD STUDENTS' READING COMPREHENSION IN NARRATIVE TEXT

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Abstract

Penelitian ini bertujuan untuk mengetahui pengaruh penggunaan aplikasi Wattpad terhadap pemahaman membaca siswa dalam teks naratif . Dalam penelitian ini peneliti menggunakan metode kuantitatif dengan desain eksperimen kuasi sebagai metode penelitian. Penelitian ini dilakukan dalam dua kelas; kelas eksperimen dan kelas kontrol. Kelas eksperimen diajar dengan menggunakan aplikasi Wattpad dan kelas control diajar tanpa menggunakan aplikasi Wattpad. Sampel dalam penelitian ini adalah kelas X MIA 2 sebagai kelas eksperimen dan X MIA 1 sebagai kelas kontrol yang masing-masing kelas terdiri dari 30 siswa. Pengumpulan data dilakukan dengan tes yang terdiri dari try out, pre-test, dan post-test. Hasil penelitian menunjukkan bahwa penggunaan aplikasi Wattpad berpengaruh signifikan terhadap peningkatan kemampuan membaca siswa dalam teks naratif. Hal ini ditunjukkan dengan nilai t-test lebih tinggi dari nilai t-tabel (9,185> 2,00) pada taraf signifikansi 0,05 dan derajat kebebasan 58. Artinya hipotesis alternatif diterima dan hipotesis nol ditolak . Dari temuan tersebut dapat disimpulkan bahwa terdapat pengaruh yang signifikan penggunaan aplikasi Wattpad terhadap pemahaman membaca siswa pada teks naratif di kelas X MAN 2 Kab Tangerang.

Kata Kunci: Pemahaman Membaca, Aplikasi Wattpad, Teks Naratif.

1. INTRODUCTION

Reading is one of the most important activities to get information. Then, the students can get information and knowledge by reading in learning proceses. Basically, reading is the interactive processes between the reader and the text that find the meaning. It means that reading comprehension is the ability of the students to understand what they read, the meaning of the word or sentence and the information from it. In addition reading comprehension is the process of interaction between the students and an author to get information from the text, to form an interpretation, to make a conclusion of that information and try to comprehend the meaning of the text. Therefore, by reading comprehension the students learn and survey the meaning of the text. Based on the preliminary observation in Augst 12th 2020 with the teacher of MAN 2 Kab Tangerang, the researcher found that the students difficulties to comprehend the meaning of the text, the students lack of interest in reading English and the lack of media in teaching English learning especially in reading.

To overcome the difficulties of reading, the researcher used Wattpad application with using zoom application as blended learning in teaching learning process. This application facilitate the students' reading ability and make students more interest in reading. In additition, Wattpad application can improve the students' vocabulary. Cause Wattpad is a community for readers and writers where one can discover new user-generated stories, spanning across different genres including classics, general fiction, historical fiction, non-fiction, poetry, spiritual, teen fiction among others. According to Tirocchi (2018) as cited in Rahman & Iwan (2019:29) explained that Wattpad is a very interesting digital environment with a huge amount of potential for schools and learning. Thus, the students can increase they reading ability by reading Wattpad.
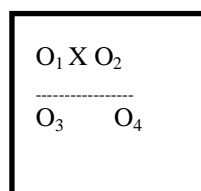
The are some previous research on using wattpad application though reading comprehension The first previous research by Isti Rokha (2018) "Using Wattpad Application to Improve The Recount Text Writing Skill of The Tenth Graders in SMAN 3 Temanggung in the school year of 2018/2019" Another previous research from Novia Ayu Wardhani, Fitrotul Mufaridah, and Indah Werdiningsih "The Effect Of Using Wattpad on Students' Writing Ability of The Eleventh Grade in SMAN 1 Mumbulsari in the 2019/2020 academic year, Jember and East Java.

This research is intended to fnd out the influence of using Wattpad application toward students' reading comprehension. In line with this, this research intended entitle "The Influence of Using Wattpad Application towards Students' Reading Comprehension in Narrative Text"

2. METHOD

In this case the researcher used quantitative method based on the experimental class. According to Creswell (2012:13) in quantitative research, the investigator identifies research based on trends in the

field or on the need to explain why something occurs. The researcher conducted the research by applying quasi-experimental design. It is done to know the effect of independent variable on dependent variable. One of the designs was Pretest-Post-test Nonequivalent-group design suggest by Cohen, Manion, & Morrison (2007:283) could be seen in the following term.

$$
\begin{array}{l}
O_1 \ X \ O_2 \\
\text{-----------------} \\
O_3 \qquad O_4
\end{array}
$$

Where: ------: Dash line (non-random)
O1: Pre-test in experimental group
X: Treatment in experimental group taught using wattpad application
O2: Post-test in experimental group
O3: Pre-test in control group
O4: Post-test in control group
(Cohen, Manion, & Morrison, 2007:283)

As explained by Creswell (2012:112), variable is a characteristic or attribute of an individual or an organization that researcher can measure or observe and varies among individuals or organizations studied. . In this research, the researcher used two variables as follow:
a. Independent variable (x)   : Wattpad
b. Dependent variable (y):Students' Reading Comprehension of NarrativeText

Population And Sample

As Creswell (2012:381) population is a group of individuals possesses one characteristic that distinguishes them from other groups. Then, the small group that was observe is called sample. A sample is a portion of population (Ary, et.al, 2010:148). In this research used purposive sampling technique. According to Margono (2004:128) "The selection of a group of subject by purposive sampling is based on certain characteristics which are considered closely related to previously known population characteristics.

Therefore, the sample of this research was take two classes as a sample to collect the data. They wereX2 MIAas experimental class and X 1 MIA as control class.

Data Collection Technique

Data collecting technique is a technique to obtain the data. The data ofthis research was collected through the test.In this research, the researcher used test as the instrument to collect the data. The researcherapplyed three types of test such as try out, pre-test, and post-test as the instrument. This study used Ms. Excel as tool to analyze data. In this research, the data obtained from pretest and posttest being analyze by using Construct Validity, Reliability, Normalty Test, Homogeneity Test, T-Test and the last Effect Size to measure the mean of students' score.

3. RESULT

This research conducted on 27th October – 26th November at MAN 2 Kab Tangerang in academic year 2020/2021 with the students of tenth grade as the population. The subject of this research divided into two classes that choose by a non-random sampling type of convenience sampling. In this research, the population is 258 students which is divided into seven class X MIA 1-3, X IIS 1-3 and X IIK 1. The researcher chose X MIA 2 as the experimental class and X MIA 1 as the control class, each class consisted of 30 students. The researcher used the tests as the instrument. The test is divided into two kinds: pre-test and post-test. The pre-test consist of 20 items and the form of pre-test is multiple choice which the options consisted of A, B, C, and D. The post-test consisted of 20 items and the form of pre-test is multiple choice which the options consisted of A, B, C, and D. The tests used by the researcher to get the data of students' reading comprehension. The researcher gave the tryout test before conducting pre-test and post-test to measure validity and reliability of the instrument.

After the data were collected, the researcher calculated and analyzed it. The researcher found the average scores pre-test and post-test both of classes. the average score of pre-test in control class is 58,62. There is improvement in the post-test with the average score is 63,79. The average score of pre-test in experimental class is 57,58. And in post-test is 68,96. It means that the comprehension of the experimental class is better than the control class after getting the treatments.

Table 4.1
The average scores of pre-test and post-test.

Class	Pre-test	Post-test
Control	58,62	63,79
Experiment	57,58	71,72

The Validity of the Test

Validity explains how the well the collected data covers the actual area of investigation (Ghauri and Gronhaug, 2005). Regarding the data of the test, in this research, the researcher used construct validity. Construct validity is sometimes it called factorial validity,it has to do with the logic of item which comprise measures of consept construct (Garson, 2013, p.10). construct validity is the validity associated with the use of experimental technique to gain quantitative and object fact, the trial technique is carried out to support the instument. It used to measured tool is actually measuring what should be measured.

The aim of try out test is to measure that instrument validity and reliability or not. The data of the try out was analyze by used Pearson Product Moment formula to examine the validity of the test. The test can be say valid if $t_{coun} \geq t_{table}$. The table showed some the result of validity computation on tryout.

The Result of Validity Test

No	t_{count}	t_{table}	Result
1	0.556	0.361	Valid
2	0.490	0.361	Valid
3	0.436	0.361	Valid
4	0.313	0.361	Invalid
5	0.305	0.361	Invalid

There were 50 items of try out. 40 items that is valid and 10 items that is invalid. It means that the invalid item sis could be used to measure students' reading comprehension in using Wattpad.

Reliability of the Test

After getting the data from tryout test, the researcher calculated by using Kuder Richardson 20 or KR-20 formula to examine the reliability of the try out items. As the researcher mentioned in chapter III, the item was reliable if $t_{count} \geq t_{table}$ (Arikunto, 2010, p 221). The table showed at the result of reliability computation on tryout.
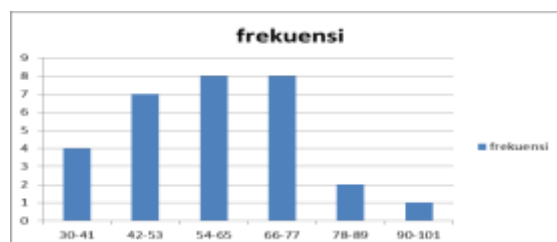
Table 4.4
The Reliability of the Test

Items	r_{11}	r_{table}
50	0.900	0.306

Based on the table above, calculation of reliabity shows that 50 item of the test was reliable and could be used as research instrument because $t_{count} \geq t_{table}$. Or $0.900 \geq 0.306$. the result above it showed that reliable was very high or $0.80 < r\ 11 < 1.00$.
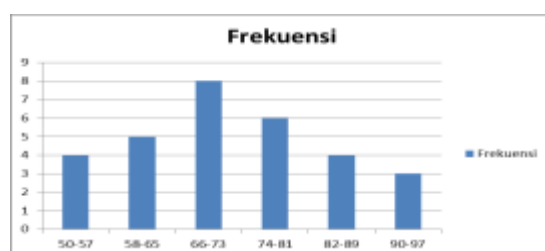
Normality of the Test

The normality test that was conducted by the researcher had a purpose to examine whether the test was normally distributed or not. The researcher used graphical method to measure the data. The graphic showed the result of normality of pre-test and post in experimental class and control class

Normality of Pre-Test and Post Test Experimental Class

A. Pre test of experimental

Based on the graphic above, it can be conclude that the pre - test of experimental class was normally distributed.
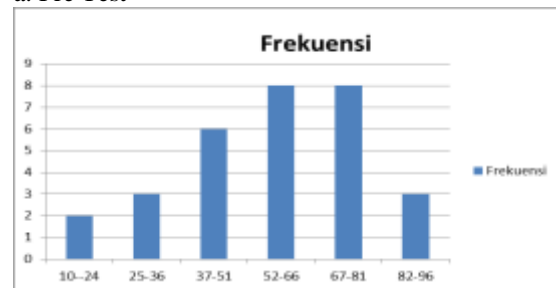
B. Post test of experimental

Based on the graphic above, it can be conclude that the post - test of experimental class was normally distributed.
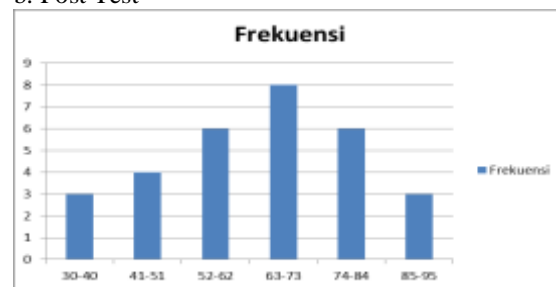
Normality of Pre-Test and Post Test Control Class
a. Pre Test

Based on the graphic above, it can be conclude that the pre - test of experimental class was normally distributed.

b. Post Test

Based on the graphic above, it can be conclude that the post - test of experimental class was normally distributed.

Homogeneity of the Test

This research used homogeneity test to fiind out whether the data that have been distributed was homogeneous or not. To measure the homogeneity, the researcher had to find out the homogeneity variance :

$$F_{count} = \frac{BV}{SV}$$

here are the criteria of homogeneity:
If $F_{count} \geq F_{table}$: it indicates not homogenous
If $F_{count} \leq F_{table}$: it indicates homogenous

The Result of Homogeneity Test

Group	F_{count} Pre-test	F_{count} Post-test	F_{table}
Control and Experiment	1.807	1.426	1.860

From the table above, the data indicated homogeny if $F_{count} \leq F_{table}$ in significant level is 0.05, then, the result of calculation showed that pre-test score was $1.807 \leq 1.860$ and post-test was score $1.426 \leq 1.860$, they were smaller than F_{table}, it can be concluded that the variant were homogeneity.

HYPOTHESIS

To proove the hypothesis of this research, statstic calculation of t-test formula with the degree of significance 5% was used.

Hypotheses are formulate as follow:

$$T = \frac{M_x - M_y}{\sqrt{\left\{\frac{\sum x^2 + \sum y^2}{(N_x + N_y - 2)}\right\}\left\{\frac{1}{N_x} + \frac{1}{Ny}\right\}}}$$

Notes:
T: T-test
M_x: Mean of deviation of experiment class
M_y: Mean of deviation of control class
X_1: Sum of deviation score of experiment class
X_2: Sum of the deviation score of control class
N_x: The number of student of experiment class
N_y: The number of student of control class

$$t_{count} = \frac{M_x - M_y}{\sqrt{(\frac{\sum x^2 \pm \sum y^2}{N_x + N_y - 2})(\frac{1}{N_x} + \frac{1}{N_y})}}$$

$$t_{count} = \frac{M_x - M_y}{\sqrt{(\frac{\sum x^2 \pm \sum y^2}{N_x + N_y - 2})(\frac{1}{N_x} + \frac{1}{N_y})}}$$

$$t_{count} = \frac{71.166 - 63.833}{\sqrt{(\frac{316.6944 + 237.8056}{30 + 30 - 2})(\frac{1}{30} + \frac{1}{30})}}$$

$$t_{count} = \frac{7.3}{\sqrt{(\frac{554.5}{58})(0.066)}}$$

$$t_{count} = \frac{7.3}{\sqrt{(9.560)(0.066)}}$$

$$t_{count} = \frac{7.3}{\sqrt{(0.630)}}$$

$$t_{count} = \frac{7.3}{0.793}$$

$$t_{count} = 9.20$$

Based on the calculation, the researcher used t-test formula in the significance degree of 5% (0.05). The result showed that t_{count} (9.20) is higher than t_{table} (2.00). The level of hypothesis test is 5% (0.05), d.f. = (Nx+Ny-2) = 30+30-2 = 58, then t_{table} is 2.00. It means null hypothesis (H_0) is rejected.

Effect Size (r)
The effect size of independent t_{test} was calculated to find out how strongly the independent variable could gave effect the dependent variable. The researcher calculated the effect size by using this formula as follows:

$$r = \sqrt{\frac{t^2}{t^2 + df}}$$

Notes :
r: effect size
t^2: t_{count} from the calculation of independent t_{test}
df: degree of freedom

$$r = \sqrt{\frac{t^2}{t^2 + df}}$$

$$r = \sqrt{\frac{(9.205)^2}{(9.205)^2 + 58}}$$

$$r = \sqrt{\frac{84.732}{84.732 + 58}}$$

$$r = \sqrt{\frac{84.732}{134.732}}$$

$$r = 0,628$$

4. DISCUSSION

This research was aimed to find out the influence of using Wattpad application toward students' reading comprehension at tenth grade of MAN 2 Kab Tangerang. This research was done by using quasi-experimental design with non-equivalent control design which is invloved two classes as the sample, they were control class and experiment class. The this research conducted the data by online learning by using zoom application in the meeting.

In the experimental class, the researcher conducted tryout test to know the validity and reliability of the test. The class was given try out was not used as object of the research. After conducted the try out, the researcher gave pre-test in both of classes; control class and experimental class. Pre-test was consist 20 items of multiple choices. The result from the pre-test showed that the score of reading comprehension still low. It could be assumed that the students in both classes had difficulties in reading comprehension of narrative text.

After pre-test was done, the researcher gave treatment for experimental class. First meeting at experimental class the researcher reviewed students' understanding in reading comprehension of narrative text. Then, the researcher showed them about Wattpad application, that can help them in reading comprehension. The reasearcher gave explanation about using Wattpad aplication to the students, guide them to know what is narrative text, the generic structure of narrative text, language features of narrative text, and the example of narrative text. The researcher used Wattpad application because Wattpad application can increase students' reading comprehension.

Meanwhile, in the control class, was given text book as conventional method. The researcher explained about narrative text, the purpose of narrative text, and the generic structure of narrative text, language features of narrative text and the example of narrative text in online meeting by using zoom application. The last meeting the students did the post-test.The data conducted by using google form microsoft 365. The highest score of post-test in experimental class was 95 and the lowest score was 50. The treatment was done successfully, it could be seen from the score of the test by using Wattpad application.

The calculation of hypothesis test, the result showed that t_{count} was 9.1856. The level of hypothesis test is 5% (0.05), d.f. = (Nx+Ny-2) = 30+30-2 = 58,

then t$_{table}$ was 2.00. It concluded that $t_{count} \geq t_{table}$ or $9.1856 \geq 2.00$. It could be seen, there was significant influence between control class and experimental class. Moreover, the alternative hypothesis is accepted and the null hypothesis is rejected.

5. CONCLUSION

Based on the result and discussion of the data calculated in this research, it can be concluded that the students who were taught by using Wattpad application got better achievement. It showed that the result of t-test to test the hypothesis of this research. The result showed that t$_{count}$ (9.185) is higher than t$_{table}$ (2.00). It means the null hypothesis (H$_o$) is rejected and alternative hypothesis (H$_a$) is accepted. The using of Wattpad application especially in reading was effective to the students, the students did not fell bored and enjoy when learning reading. Therefore, based on the final result, it can be concluded that there is a significant influence using Wattpad application toward the students' reading comprehension on narrative text at the tenth grade students in MAN 2 Kab Tangerang.

Based on the the finding of this research, some sugesstion need to be put forward in order to have good quality in teaching learning process. The researcher would like to give some sugesstion, as follows :

1. For Tearcher
a. Wattpad application would be helpfuul for students' reading comprehension, so the teacher should be maintain using Wattpad application as alternative media in teaching process. When the teacher used Wattpad application, the students can increas their reading comprehension.
b. The teacher should teach the students creatively, especially in teaching english reading, because there are so many media can maket he students excited and intest in learning reading.
2. For the students
The students encourage their learning interest and motivation in learning English, especially in reading comprehension.
3. For the next researcher
The researcher can develop and their own research dealing with Wattpad application. It is expected to be better in this research future and this research will be references for the next research.

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