

THE EFFECT OF TECHNOLOGY BASED LEARNING ASSISTED BY QUIZIZZ APPLICATION ON READING COMPREHENSION IN NARRATIVE TEXT

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Abstract

This research aims at investigating The Effect of Technology Based Learning assisted by Quizizz Application in Reading Comprehension in Narrative Text. This research was conducted by Experimental Research. The population of this research was the students at grade X of SMAN1 Air Joman. The total number of the population is 216 students in six class. There were 72 students chosen as the sample by using random sampling technique. The sample was divided into two group, namely control group and experiment group. The experiment group was taught by using Quizizz Application and control group was taught without using quizzes application. The instrument for collecting the data was multiple choice test. The data was analysed by using t-test formula. The alternative hypothesis (Ha) is accepted and null hypothesis (Ho) is rejected. It means that is a significant effect of Technology based learning on reading comprehension at grade X of SMAN 1 Air Joman.

Keyword: Technology Based Learning, Quizizz Application, Reading Comprehension.

INTRODUCTION

Learning is exceptionally persuasive on students' learning abilities, learning is additionally exceptionally powerful on the information and capacity to process students' considerations, particularly within the perusing viewpoint, since perusing aptitudes can be valuable for finding sources of data from various sources, and creating perusing aptitudes, understudies ought to create the capacity moment dialect. Learning is more slanted to utilize innovation, such as utilizing learning applications so these applications it is trusted that can encourage learning and can make learning more intuitively so that instructors can discover out the increment in understudy learning capacities from the application of these applications.

Based on my experience teaching research to class X students at SMAN 1 Air Joman, the problem that occurs were students' ability in reading comprehension is low, students do not understand how to learn narrative text, there is no innovation in the use of interactive media in the teaching and learning process in the classroom.

So, to solve the problem above, this study requires more effective learning by using the Technology-Based Learning (TBL) assisted with Quizizz Application,

this study wanted to find out how influential was the used of Quizizz on the students' reading comprehension of Narrative Text at grade X of SMAN 1 Air Joman, to conduct Based on the background of the study above, Quizizz has become a widely used tool in the field of modern education. This program provides a creative and enjoyable method of assessing students' comprehension of the course material. In addition, teachers can use Quizizz to create more engaging lesson plans and obtain immediate feedback on students' comprehension. Quizizz's ability to make learning more personalized is one of its most alluring features.

Technology-Based Learning (TBL) method is a learning method that prioritizes the use of technology information and communication as the main means of learning. This technique is encouraging Utilization of electronic technology, smartphones, applications, online platforms and resources other digital activities in learning activities, facilitating interaction and encouraging work equally between students and teachers.

Learning media is one of the educational facilities that must be arranged. Media is utilized to encourage communication and interaction between instructors and understudies in the learning handle. As an instrument, the media serves or increment the accomplishment of learning goals. The utilize of media in learning will stir students intrigued in learning. One of the learning media that can be utilized to extend understudy intrigued in learning is Quizizz Application. It is one of the applications on the smartphone that can be downloaded by everybody.(Dahlena Putri, n.d.)

METHOD

This research belongs to a quantitative methodology as an experimental research method. Earlier to accepting treatment, a pre-test is managed to decide the level of students' scores and reading comprehension. After regulating a test, a post-test will manage to evaluate the students' score and perusing comprehension. The data will be collected before and after the test. The design is suitable for evaluating the effectiveness of Quizizz Application in teaching reading comprehension to students in the X grade at SMA NEGERI 1 Air Joman. In this research, there are two groups: the experimental group is X4 and the control group is X5. The researcher is using Quizizz Application in experimental classes. In the class control, the researcher does not use the Quizizz Application. X4 consist of 36 students and X5 Consist of 36 students, so the number of samples is 72 students.

Group	Pre – Test	Treatment	Post – Test
Experimental	X	X	X
Control	Y	-	Y

Table 1 Experimental Class and Control Class**Note:**

X : Using Technology Based Learning (TBL) and Quizizz Application

Y : Using conventional way

Instrument of data collection in this research will be multiple choice, the students will choose the right answer from a, b, c or d. (Arikunto,2013) “A test is a tool or procedure used to find out or measure something in an atmosphere, in ways and rules that have been determined.” In this research was used observation, and test research instruments, namely pre-test and post-test. The objective test that is multiple choice. This Research used objective test in the form of narrative text.

1. Pre-test

This step was done before giving treatment. The researcher gave an essay in which the question contains an order to describe an image to both classes, namely the experimental class and the control class.

2. Experiment

Treatment was given to students after getting the results of the pre-test, in this step technology-based learning is used for the experimental class while conventional learning is for the control class.

3. Post-test

The last step taken will giving a post test. This is done in order to find out whether there is any effect of the Quizizz Application treatment on the experimental class that had been given the treatment.

RESULTS AND DISCUSSION

The result of the students' test can be seen on the following table score.

Table of Pre-Test and Post-Test Experiment Class

No.	Initial Name	Score of Pre-Test (X)	Score of Post-Test (Y)	X^2	Y^2	XY
1	AS	60	85	3600	8100	5400
2	ARM	70	80	4900	8100	6300
3	AF	70	85	5625	6400	6000
4	ABS	70	87	4900	7225	5950
5	AR	60	90	3600	8100	5400
6	ANS	60	90	4225	7225	5525
7	ES	70	88	4900	8100	6300

8	DA	69	85	4761	8100	6210
9	DNS	68	90	4624	6400	6440
10	DPM	65	90	4225	7225	5525
11	DS	70	85	4900	7225	5950
12	ER	60	90	3600	8100	5400
13	FR	65	85	4225	8100	5850
14	GAP	65	85	4225	7225	5525
15	HT	65	90	4225	7225	5525
16	IPS	70	85	4900	8100	6300
17	KAM	70	85	4900	7225	5950
18	MFA	70	85	4900	7225	5950
19	MSH	70	85	4900	7225	5950
20	NS	60	85	3600	7225	5100
21	MS	67	90	4489	7225	5695
22	MKP	67	85	4489	8100	6030
23	NK	68	85	4624	7225	5780
24	NAF	65	90	4225	7225	5525
25	NA	65	90	4225	8100	5850
26	KZS	67	85	4489	7225	5695
27	PA	68	85	4624	7225	5780
28	RS	69	80	4761	6400	5520
29	RSP	67	90	4489	7225	5695
30	SNP	70	85	4900	7569	6090
31	SR	65	90	4225	8100	5850

32	S	65	90	4225	8100	5850
33	SEP	68	90	4624	7744	5984
34	SAK	70	80	4900	8100	6300
35	TR	75	85	5625	7225	6375
36	VR	75	90	5625	8100	6750
Total		$\sum X =$ 2428	$\sum Y =$ 3120	$\sum X^2 =$ 164274	$\sum Y^2 =$ 270738	$\sum XY =$ 210640

Based on the table 4.3 above, can be seen that the score Pre-Test of Experiment class the highest value is 75 and the lowest is 60 and the data was taken before giving a treatment and explanation material. Then, the highest value is 90 and the lowest is 80. Data was taken from the result of using Quizizz Application was given. After the treatment was given, it can be seen there was in increasing in student learning outcomes. The increasing from the data is the lowest score 60 increasing to 80 so the score was increased 20 score and the highest score 75 increasing to 90 so the score was increased 15 score.

Based on the table 4.1 above can be seen that score Pre-Test of Experiment class the highest value is 75 and the lowest is 60. Data was taken before giving a treatment and explanation material. It shown the highest and the lowest score in Pre-Test was, Students who got 60 score was 5 students, they were AS, AR, ANS, ER and NS. Students who got 65 score was 8 students, they were DPM, FR, GAP, HT, NAF, NA, SR, and S. Students who got 67 score was 4 students, they were MS, MKP, KZS, and RSP. Students who got 68 score was 4 students, they were DNS, NK, PA, and SEP. Students who got 69 score was 2 students, they were DA and RS. Students who got 70 score was 11 students, they were ARM, AF, ABS, ES, IPS, KAM, MFA, MSH, SNP, and SAK. Students who got 75 score was 2 students, they were TR and VR

Based on the table 4.2 above can be seen that score Post-Test of Experiment class the highest value is 90 and the lowest is 80. Data was taken after giving a treatment and used the Quizizz Application. It shown the highest and the lowest score in Post-Test was, Students who got 80 score was 3 students, they were ARM, RS, and SAK. Students who got 85 score was 19 students, they were ABS, AS, AF, DA, DS, ES, FR, GAP, IPS, KAM, MFA, MSH, NS, MKP, NK, KZS, PA, SNP, and TR. Students who got 90 score was 12 students, they were AR, ANS, DNS, DPM, ER, HT, MS, NAF, NA, RSP, SR, S, SEP, and VR.

Table of Pre-Test and Post-Test Control Class

No.	Initial Name	Score of Pre-Test (X)	Score of Post-Test (Y)	X^2	Y^2	XY
1	ASP	60	75	3600	5625	4500
2	AN	65	70	4225	4900	4550
3	AS	65	75	4225	5625	4875
4	AU	67	75	4489	5625	5025
5	ACS	65	70	4225	4900	4550
6	CAL	60	70	3600	4900	4200
7	DS	65	78	4225	6084	5070
8	DRJ	65	75	4225	5625	4875
9	DS	70	70	4900	4900	4900
10	FRW	60	70	3600	4900	4200
11	FA	70	70	4900	4900	4900
12	HA	65	75	4225	5625	4875
13	KA	65	70	4225	4900	4550
14	KAS	60	70	3600	4900	4200
15	IWBS	65	75	4225	5625	4875
16	KAA	60	75	3600	5625	4500
17	LZ	65	75	4225	5625	4875
18	MA	70	80	4900	6400	5600
19	MF	70	80	4900	6400	5600
20	MFP	65	75	4225	5625	4875
21	MU	70	75	4900	5625	5250

22	NJ	67	80	4489	6400	5360
23	NCS	65	70	4225	4900	4550
24	NFR	70	70	4900	4900	4900
25	NAH	67	70	4489	4900	4690
26	NF	66	70	4356	4900	4620
27	NFZ	70	70	4900	4900	4900
28	PR	70	80	4900	6400	5600
29	RI	75	75	5625	5625	5625
30	SS	70	80	4900	6400	5600
31	SA	65	75	4225	5625	5360
32	SN	67	80	4489	6400	5850
33	TA	60	80	3600	6400	4800
34	WAS	65	70	4225	4900	4550
35	YS	70	70	4900	4900	4900
36	ZA	67	70	4489	4900	4690
Total		$\Sigma X =$ 2436	$\Sigma Y =$ 2685	$\Sigma X^2 =$ 158261	$\Sigma Y^2 =$ 203814	$\Sigma XY =$ 175880

Table 4.6 above, can be seen that the score Pre-Test of Control class the highest value is 80 and the lowest is 60 and the data was taken before giving a explanation material. Data was taken from the result of explanation material and the differences from the data score was the lowest score 60 increased to 70 so the score was increased 10 score and the highest score 75 increased to 80 so the score was increased 5 score. Class control of learning was given only in the conventional. The above can be seen there was a difference between Experimental Classes and Control Classes, because the learning outcomes of student in lower grade control.

Based on the table 4.4 above can be seen that score Pre-Test of Control Class the highest value is 75 and the lowest is 60. Data was taken before giving treatment and explanation material. It shown the highest and the lowest score in Pre-Test was, Students who got 60 score was 5 students, they were DI, EE, IPPS, KY, and SUN. Students who got 65 score was 14 students, they were ARL, AG, AS, CA, DIS,

DMS, GAP, HS, KBM, KSH, MHS, NAA, SA, and TR. Students who got 67 score was 5 students, they were AFS, NS, NAJ, SJ, and ZH. Students who got 70 score was students, they were DM, FF, MFA, MFR, NFA, NA, RA, RAP, SPM, and VAH.

Based on the table above can be seen that score Post-Test of Control Class the highest value is 80 and the lowest is 70. Data was taken after giving treatment and explanation material. It shown the highest and the lowest score in Post-Test was, Students who got 70 score was 16 students, they were AN, ACS, CAL, DS, FRW, FA, KA, KAS, NCS, NFR, NAH, NF, NFZ, WAS, YS, and ZS. Students who got 75 score was 11 students, ASP, AS, AU, DRJ, HA, IWBS, KAA, LZ, MFP, MU, and RI. Students who got 80 score was 8 students, they were DS, MA, MF, NJ, PR, SS, SN, and TA.

Based on the data can be seen there are different in students' scores. Student who learns to use Technology Based Learning (TBL) Assisted with Quizizz Application of learning (Experimental Class) got better result compared with conventionally learning classes (Control Class).

CONCLUSION

From the discussion in the previous chapter, it can be concluded that using Technology Based Learning (TBL) assisted with Quizizz Application can increase the students' interest in learning Reading Comprehension in Narrative Text. The students' interest before using Quizizz Application is low. It is different from the students' interest when they are using Quizizz Application. It was found when students' Post-Test was higher than the Pre-Test which proved that used of Quizizz Application in learning activity contributed to students' more effective in teaching on Reading Comprehension in Narrative Text. Quizizz Application can increase the students' interest in Reading Comprehension in Narrative Text. Therefore, Quizizz Application is helpful to activate the students' background knowledge that is very important to help students' interest in learning Reading Comprehension in Narrative Text. The students' achievement in learning reading comprehension in narrative text assisted by Quizizz Application has significant improvement. It can be seen in the following facts:

1. The students' achievement of Reading comprehension in narrative text can be seen in the improvement of their achievement in Pre-Test and Post-Test
2. From the result of field notes, it showed that the class condition during teaching and learning process creates the positive atmosphere in the classroom, and also makes students actively in teaching and learning process
3. From the result of observations and interviews showed the students were motivated and interested or participate and actively learning reading comprehension in narrative text assisted with Quizizz Application

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