

**THE INFLUENCE OF DISCOVERY LEARNING METHODS ON
STUDENTS' WRITING DESCRIPTIVE IN USING OF
ATHLETES VLOG MEDIA AT GRADE X SMA
NEGERI 2 TANJUNG BALAI IN 2023/2024
ACADEMIC YEAR**

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Abstract

The purpose of this research is whether there is a significant the Influence of Discovery Learning Methods on Students' Writing Descriptive Text in Using of Athlete Vlog Media at grade X SMA Negeri 2 Tanjung Balai in 2023/2024 Academic Year. This type of research is a quasi-experiment with a two-group research design, namely pretest and posttest. The population in this research were all grade X classes consisting of 7 classes. The samples of this research were two classes (class X-1 and class X-2) which were taken by random sampling. In class X-1 as an experimental class using the discovery learning method with athlete vlog media and in class X-2 as a control class with conventional learning methods. After the learning was completed, a post test was obtained with the average results of the experimental class 78.27 and the control class 46.77. The t- test results obtained $t\text{-score} = 23,16 > t\text{-table } 2.00$ Then H_a is accepted. Thus, it is obtained that there is an influence on student learning outcomes using the discovery learning method using athlete Vlog media on student learning outcomes in descriptive text material in class X SMA Negeri 2 Tanjung Balai.

Keywords: Influence, Discovery Learning, Descriptive Text, Vlog

INTRODUCTION

In general, language is a means of communication used by humans since ancient times. Language is a communication system consisting of sounds, words and grammar or a communication system used by people in certain types of countries. Language is basically a tool or means for communication between humans. Language is also one of the characteristics that distinguish humans from other creatures. This is because humans have the ability to think and the ability to develop their intellect. With that ability, humans develop a tool to communicate, in order to express their thoughts, feelings, or desires

It is obvious that language plays a crucial part in human existence. Language is used in communication. Humans are social creatures who require

communication with one another. People can relate to one another through communication in daily life, whether it is at work, in the community, or anywhere else. Nobody is a human being who does not communicate. In human life, communication is crucial for all aspects of it individually, in groups, and within organizations. Human communication is the process by which people in relationships, groups, organizations, and society generate, communicate, and use information to coordinate their surroundings and those of others.

Language is just one tool for communication among many. English is acknowledged as a universal language on a worldwide scale. The language that is spoken the most throughout the world is English. The most frequently used language in the world, English is utilized for international communication in the domains of politics, economics, social and cultural studies, ideology, defense, and security.

In Indonesia, English is taught from elementary school to high school. In terms of education, schools use English as the main means of communication or teaching. The purpose of teaching English is to help students communicate both speaking and writing. Meanwhile, teaching and learning English as a foreign language is not easy. There is a teaching and learning process that must be done to achieve the desired goals. In the world of education, there is an independent curriculum that has a flow of learning objectives and learning modules to determine the direction and purpose of the learning carried out. In an independent curriculum, of course, there are learning outcomes that will be addressed. It is hoped that students can achieve the learning objectives that have been determined but in fact when learning is carried out students have difficulty learning, especially in writing.

Writing is a very important skill. Writing is a skill and ability to express ideas, opinions, thoughts and ideas that are in the mind and express them in a written work. Currently, learning to write is still considered a difficult topic of discussion. There are still many students who lack interest in expressing their thoughts and ideas in written form because they are not equipped with appropriate writing exercises and strategies. Writing is a difficult subject, especially writing descriptive text. Descriptive text is text that describes an object (someone or something). The purpose of descriptive text is to describe everything, whether humans, animals, plants or objects.

There are many difficulties experienced by students in writing texts. Writing problems that occur today are largely caused by a lack of in-depth exploration of knowledge. Students' writing skills are still limited, especially in writing descriptive texts, some of the difficulties experienced by students in writing are students' lack of interest in learning descriptive texts, students' writing skills are weak, students have difficulty in describing the objects. Then students are less interested in learning to write. Because the learning methods and media used are still monotonous and less creative, such as talking continuously in front of the class, causing students to feel bored and

not interested in the ongoing learning. Teachers can apply different methods in the classroom. Because learning methods greatly affect descriptive text writing skills. Therefore, teachers should vary learning methods according to the needs and learning objectives to be achieved.

One of them is the discovery learning method. The discovery learning method is one method that can improve students' writing skills. Discovery learning method is a learning method used to optimize learning techniques for students to become more active by means of students finding and investigating important aspects in the learning topics discussed. Then this method is assisted by video media that is relevant to the learning material to create student enthusiasm, so that the learning atmosphere becomes interesting and can motivate students to write descriptive texts. This research aims to encourage students' skills in writing descriptive texts and increase students' interest in learning English. And to find out whether there is a significant influence in using the discovery learning method in using of athlete's vlog media.

METHOD

This research experimental method with a quantitative approach. The sample is divided into two groups, the Experimental Group and the Control Group. The data collected from the pre-test and post-test to determine the influence of discovery learning method in using of athlete's vlog media in teaching writing. The population of this research was all students of grade X which consists of 7 classes with a total of 246 students in SMA Negeri 2 Tanjung Balai in 2023/2024 Academic Year. Where classes X-1 and X-2 were sample in this research applied use of simple random sampling. Class X-1 as an experimental class with 36 students and X-2 as a control class with 36 students.

Table 1. The Research Design Pre-test and Post-test

Group	Type	Independent Variable	Post-test
Experimental Group	Pre-Test	X	Post Test
Control Group	Pre-Test	Y	Post Test

Where:

X: Using discovery learning methods in using of athlete's vlog media

Y: Using conventional way

The data of the research was gathered from the students' grades and quantitatively analyzed. Statistical analysis refers to quantitative analysis was done performed using a statistical formula. This function's goal is to identify the key distinctions between pupils who get instruction using the Discovery Learning Method and those who do not.

$$Mx - My$$

$$t = \frac{Mx - My}{\sqrt{\frac{\sum x^2 + \sum y^2}{N_x + N_y} - 2 \frac{\sum x}{N_x} \frac{\sum y}{N_y}}}$$

Where:

M_x : mean of the experimental group

M_y : Mean of the control group

X^2 : The standard deviation score of experimental groups

Y^2 : The standard deviation score of control group

N_x : the total number sample of experimental group N_y :

the total number sample of control group

RESULTS AND DISCUSSION

This research was conducted to determine the influence of discovery learning method in using athlete vlog media on students' writing between the experimental class and control class on English learning material of class X SMA Negeri 2 Tanjung Balai regarding descriptive text. Pre-test was given before starting the lesson. The pre-test was conducted to determine the initial ability of students in both classes.

Table 2. The Score of the Pre-Test and Post-Test in the Experimental Class

No	Students	Pre-test	Post-test	X2	Y2	XY
1	ACP	56	80	3136	6400	4480
2	AVO	40	68	1600	4624	2720
3	AHS	48	76	3136	5776	4256
4	AFT	40	60	1600	3600	2400
5	BTA	44	76	1936	5776	3344
6	CS	52	80	2704	6400	4160
7	CA	56	80	2304	6400	3840
8	DH	68	84	4624	5776	5168
9	DTT	72	92	5184	8464	6624
10	DA	56	80	3136	6400	4480
11	DNA	56	76	3136	7056	4704

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12	ES	52	68	2704	4624	3536
13	EH	52	80	2704	6400	4160
14	FZ	40	60	1600	3600	2400
15	RP	40	72	1600	5184	2880
16	FA	60	88	3600	7744	5280
17	IK	40	84	1600	7056	3360
18	JRS	40	80	1600	6400	3200
19	KA	44	76	1936	5776	3344
20	K	52	80	2704	6400	4160
21	OK	56	64	3136	4096	3584
22	MS	44	84	1936	7056	3696
23	MD	52	84	2704	7056	4368
24	NE	52	84	2704	7056	4368
25	NAN	52	92	2704	8464	4784
26	RA	56	92	3136	8464	5152
27	RF	48	76	2304	5776	3648
28	SR	40	60	1600	3600	2400
29	SY	56	88	3136	7744	4928
30	SG	48	76	2304	5776	3648
31	SE	68	92	4624	8464	6256
32	SAH	60	84	3600	7056	5040
33	SA	40	60	1600	3600	2400
34	TN	56	80	3136	6400	4480
35	VIH	64	86	4096	7396	5504
36	YF	60	76	3600	5776	4560
Total		$\sum X$ =1860	$\sum Y$ =2818	$\sum X2$ =98864	$\sum Y2$ =223636	$\sum XY$ =1473
						12

Table 3. The Score of Pre-Test and Post-Test in the Control Class

No	Students	Pre-test	Post-test	X2	Y2	XY
1	ASH	40	44	1600	1936	1760
2	AR	22	44	484	1936	968
3	AVP	44	68	1936	4624	2992
4	AFA	48	52	2304	2704	2496
5	AV	36	44	1296	1936	1584
6	AS	44	60	1936	3600	2640
7	DAP	48	52	2304	2704	2496
8	FAB	28	40	784	1600	1120
9	FR	20	30	400	900	600
10	FV	40	60	1600	3600	2400
11	HS	20	40	400	1600	800
12	K	44	77	1936	5929	3388
13	LK	36	52	1296	2704	1872
14	LA	22	44	484	1936	968
15	MS	20	32	400	1024	640
16	MP	36	40	1296	1600	1440
17	MFUS	44	52	1936	2704	2288
18	MAR	20	48	400	2304	960
19	MRA	20	30	400	900	600
20	MRD	30	40	900	1600	1200
21	MZ	36	40	1296	1600	1440
22	NR	28	48	784	2304	1344
23	NN	20	28	400	784	560
24	PN	22	44	484	1936	968
25	RSN	20	40	400	1600	800
26	RIC	28	36	784	1296	1008
27	RMT	30	44	900	1936	1320
28	RA	20	32	400	1024	640

29	RL	20	30	400	900	600
30	RNS	44	52	1936	2704	2288
31	RI	48	72	2304	5184	3456
32	S	52	68	2704	4624	3536
33	SAZ	30	50	900	2500	1500
34	WF	20	32	400	1024	640
35	WS	44	72	1936	5184	3168
Total		$\sum X$	$\sum Y$	$\sum X^2$	$\sum Y^2$	$\sum XY$
		=1124	=1637	=40120	=82441	=56480

The pre-test given to the experimental class and control class. Both classes have no influence on the initial ability of students, so different learning is carried out. Where the experimental class uses the discovery learning method in using athlete vlog media and the control class uses conventional treatment. In this case, it can be seen carried out by giving a post-test to the experimental class and control class.

When the discovery learning method with athlete vlog media is applied, there is a significant difference between the experimental class and the control class. This can be seen from the number of experimental class scores higher than the control class. Based on the calculations obtained, the average value of the experimental class pretest is 51,66 and the average value of the experimental class posttest is 78,27. While the average value of the control class pretest is 32,11 and the control class posttest value is 46,77.

This research formulated hypothesis about a particular situation and then apply various statically testing techniques like Z test, T test, Chi-square test and etc, to test the hypothesis. And on the basis of these test this research concluded about accepting or rejecting the formulated hypothesis. Since the “t” obtained in the calculation ($t = 23,16$). There is a df of 69, therefore the closest df is used which is df 70. At the 5% significance $t_1 (2,00)$ and the 1% significance $t_1 (2,65)$. The alternative hypothesis (ha) is accepted. There is significant influence of discovery learning method in using athlete vlog media.

So, this research was successful (ha) was accepted and it was revealed that the hypothesis the influence of discovery learning method in using athlete vlog media in writing descriptive was effective because writing descriptive text using the discovery learning method with athlete vlog media obtained a higher score than without the discovery learning method with media vlog athlete. From the discussion above, it can be concluded at grade X SMA Negeri 2 Tanjung Balai in 2023/2024 Academic Year have good writing skills after being taught through the discovery learning method in using athlete vlog media

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especially in writing descriptive text.

CONCLUSION

From the data obtained, it can be seen that the learning outcomes in writing descriptive text with the Discovery Learning method using athlete vlog media are higher than using conventional methods in class X SMA Negeri 2 Tanjung Balai. The Discovery Learning method using athlete vlog media has a significant when used to influence student achievement in writing skills. The results of the analysis show that the t-score is greater than the t-table ($23,16 > 2,00$) at both the 5% (2.00) and 1% significance levels with 70 degrees of freedom, thus H_a is accepted and H_0 is rejected. There is a significant effect of Discovery Learning Method using athlete vlog media on the ability to write descriptive text.

After analyzing the data, it can be concluded that

1. There is a significant influence in the application of the Discovery Learning Method using athlete vlog media where students can write descriptive text.
2. Students are able to start their essay and know exactly what they want to write.
3. By using the discovery learning method using athlete vlog media, students are more active in improving their ability to write descriptive text.

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