

The Students' Ability in Speaking By Using Duolingo Application at Seventh Grade Students of SMP Singosari Delitua

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Abstract

Duolingo is an educational category like playing games, so the students can also use it casually without pressure and also easy to accept and absorb because of flexibility. This research was conducted to determine the ability of the students to speak by using the Duolingo Application. The population of this research was the seventh-grade students of SMP Singosari Delitua. The sample consists of 61 students. This research required two groups of students namely the experimental group and the control group. The experimental group was treated by using the Duolingo application while speaking, whereas the control group was treated without the Duolingo application. The result of this study indicates that the use of Duolingo improves the ability of the students to speak. It can be seen from the deviation of the experimental group and the control group. The mean deviation of the experimental group is 24,07 it means that the deviation is high. This group was taught by using the Duolingo Application. Mean of the deviation in control group is 4,87 means that the deviation is low. This group was taught without using Duolingo Application, by using this application made the students understand the material and students were more motivated to learn and brave enough to speak English with the students. Students get the opportunity to get some turn in practicing material in everyday life since the students can practice at home since Duolingo can be accessed anywhere and everywhere, this application reduces boredom in learning English and facilitates remembering and practicing material in a positive attitude towards the application at school. It is also one of the effective media in teaching learning and speaking for the students

INTRODUCTION

Speaking is one of four language skill, which is basic function of language as communication instrument. It is important for the learners to practice their capability and their understanding, how to send idea, and how to spell word well. In this case the students' motivation and interest are very needed to make the process of their understanding more easily. Some of figures also say that speaking is gold silent is silver. Those expression showed us about the importance of speaking skill.

The ability of the students at seventh grade students of SMP Singosari are needed to improve since most of the students are never speak English with the teacher and the other students.

In the teaching learning process , most of the teachers hope all the students interest and interactive when they are learning, but it is not as easy as they hope; it needs various ways in reaching the target. In this case, the application will make the students more interest in studying English especially to improve the ability of the students in speaking English, the teacher have to be creative in the teaching learning process so that the students interest and have self-confidence in speaking English such as using the application to help them in speaking English.

In globalization era, technology has a major part in every sector of human life, including education thus electronic learning(E-Learning) has now been moved from traditional learning (Basuki (2019). E-Learning that uses information and communication technology (IT) to transform the learning process suggested that technology can work to help organize and provide the material for the students helps students, teacher, parents interact, anytime and anywhere. Therefore it is significant to apply technology as the media to support the teaching and learning materials without the limitation of time. One of the application that popular in learning English is Duolingo Application (Jaskova, 2014) defines Duolingo is seen as a future in learning language and in Global communication. Duolingo is an application which designed to help the students easily and fun to speak English.Students work through a series lesson. each lesson consist of a questions, requiring students to type out translations, respons to voice prompts. The students can listened the sound of the every sentences by the native speaker in the application, and it can be imitated by the students so that the speaking of the students will improve.

METHOD

Research Design

In this study, the researcher prepared or sets up communication strategies toward speaking fluency. For the students who were examined to answer speaking that would be tested. The idea concerned with the statement of Arikunto (1998: 67) says that by using an experimental design and control design, the examiner intentionally revised appearance of the difference and then it was examined how the result was.

This research required two groups of student namely experimental group and control group. experimental group was treated by using duolingo application during speaking. where as control group was treated without using duolingo application.

Population

Population is the number of people, which have the same characteristic (Arikunto, 1998). Moreover she states that a population is a set of collection, all elements processing one or more attributes of interest. Meanwhile Arifin (2003; 6) states that a population is a number objects with a certain characteristic that are aimed at a field of investigation.

Based on definition above, the researcher inferred that population was the entire subject of study which was examined. So, the population of this study was all of the first year students of SMP Singosari Delitua. The number of the first year students of SMP Singosari Medan consists of 61 students which were divided into two classes.

Sample

The sample is a part of representative population examined or investigated (Arikonto, 1998; 109). Furthermore Ary (1979; 163) defines a sample as the small group that was observed. Meanwhile Arifin (2003; 6) defines sample as some of population that present the whole

population. Kind of sampling is used in this study was quota sample it is not done base of the area, but based on number determined.

In taking the sample of this research are the students of the first class SMP Singosari Delitua consists of 61 students were chosen randomly by using lottery technique.

Instrument of data collection

In this study the researcher used interview test as the instrument for collecting data. The interview test was conducted in both groups: Experimental and Control group. The accuracy of the result was very determined on how accurate the use of instrument. Relating to researcher used oral test as an instrument. Ary (2005; 216) states that a test is a set of stimuli presented to an individual in order to elicit responses on the basis of which a numerical score can be assigned. Moreover Heaton(2007; 89) states that the test must be appropriate in terms of our objectives, it depends on the evidence provide and particular situation.

In order to avoid misunderstanding in the readers' mind, the researcher informed the kind of test that used in this research was speaking test as an instrument. The aim of it was to measure the skill, knowledge, ability, etc. the statement in situation form was used to stimulate the subject to build their opinion and the subject changed the situation into the conversation form.

Technique of Data Collection

In order to get data, the researcher administrated the way of collecting data as follows;The writer prepared statement in situation form which focused in using Duolingo application Then the students practiced the situations into conversation form with their partner. It means that they changed the situations into conversation form. While, the students were doing conversation, the researcher recorded them by using tape recorder. Before practice the conversation, the students were given 15 minutes to study the situations, and practiced the conversation in 20 minutes

THE DATA AND DATA ANALYSIS

Data

The data were taken from the result of sample's speaking test. The data were divided into two groups namely experimental and control group. Both experimental and control group were given speaking test form on pre-test and post-test. The students' score we obtained.

Data Analysis

The writer used Duolingo Application in this research. Duolingo application as a tool to increase the students' speaking achievement. The application can make the students active when learning English in the classroom.

Before the tools was applied for experimental group the writer gave the students in experimental group pre-test to see their ability. The next step was applied by using Duolingo Application of this group. After applied the strategy, the writer gave the students post-test to see whether their ability in English speaking would be affected by the application. The result of the post-test by the students in experimental group can be shown in the following tables.

Table 1. The calculation of experimental group

NO	Students' Initial Name	Pre-Test (y1)	Post-Test (y2)	Deviation (d)	Square Deviation (dx)²
1	AGN	53	80	27	729
2	ALX	60	84	24	576

3	ANDK	50	78	28	784
4	ASM	45	80	35	1225
5	BHT	56	67	11	121
6	DS	50	79	29	841
7	DNA	55	81	26	676
8	DWI	53	80	27	729
9	ES	52	72	20	400
10	FS	45	67	22	484
11	GUM	50	75	25	625
12	GAH	53	65	12	144
13	IPS	54	70	16	256
14	IBS	55	75	20	400
15	JP	56	72	16	256
16	JH	60	70	10	100
17	JT	60	75	15	225
18	JD	54	75	21	441
19	JFS	63	70	7	49
20	JISN	55	85	30	900
21	JN	50	78	28	784
22	KAL	45	79	34	1156
23	KHS	60	85	25	625
24	LS	54	85	31	961
25	MJS	50	80	30	900
26	MS	56	81	25	625
27	MPB	55	82	27	729
28	MFS	50	83	33	1089
29	NKPG	55	84	29	841
30	OSWS	56	80	24	576
31	RHCH	50	89	39	1521
TOTAL		1660	2406	746	19768
MEAN		53,54	77,61		

Mean of deviation of the experimental group is 24,07 it means that the deviation is high. This group was taught by using Duolingo Application. The result of the post-test by the students in control group can be shown in the following table.

Table 2. The calculation of control group

NO	Students' Initial Name	Pre-Test (y1)	Post-Test (y2)	Deviation (d)	Square Deviation (dx) ²
1	AFS	50	56	6	36
2	ACMS	61	67	6	36
3	AFWS	55	54	20	400
4	BS	34	48	26	676
5	CUP	43	45	2	4
6	CAS	46	50	4	16

7	DMN	43	52	9	81
8	EDS	48	58	10	100
9	EN	55	45	-10	100
10	EMN	46	63	17	289
11		66	66	0	0
12	FEB	70	75	5	25
13	FSB	70	66	-4	16
14	GJP	65	49	2	4
15	HDW	56	51	-5	25
16	INS	57	59	2	4
17	JN	65	55	-10	100
18	JT	57	49	-2	4
19	LIN	60	56	-4	16
20	LKS	60	49	5	25
21	MZ	50	48	15	225
22	NVP	55	54	5	25
23	ONH	65	48	3	9
24	PBH	60	59	3	9
25	PCS	56	53	14	196
26	RHS	53	59	6	36
27	SJ	60	65	5	25
28	SN	54	72	6	36
29	WAS	50	53	3	9
30	WL	45	49	15	225
TOTAL		1655	1809	154	2752
MEAN		55,16	60,03		

Mean of the deviation in control group is 4,87 means that the deviation is low. This group was taught without using Duolingo Application .

DISCUSSION

There were 61 students as the sample in the experimental and control groups. The writer choose this population because based on the writer's observation it was found that most of the students have minimum skill in learning English especially when the writer persuade them to speak english. Based on my observation, many students in smp not interest to study English subject. It also happened on grade seventh SMP Singosari Delitua . Their ability in English subject is lack. Actually they need a new learning style in teaching learning process. The result of the study indicated that teachers of English might be familiar with role play technique on students' speaking achievement. Besides, the English teachers who are teaching English may use this information to develop a good skills in listening, speaking, reading and writing. In conducting the research, the writer found some experience problems from the students during the teaching and learning process, namely :the students are difficult in speaking English. To solve this, the writer thought them in treatment by using Duolingo Application . In the middle of teaching and learning process, some of students were not interested to that lesson. To solve this, the writer gave the students motivation and jokes to build students spirit in the class then the teacher teach them using Duolingo application . The data obtained from the score were the result of the experimental and control class. From the

total score pre test of the experimental class (1660) and the total score pre test of the control class (1.655) can be concluded that the achievement of both group was the same. After getting the treatment (taught by using Duolingo Application, the total score post-test of the experimental (2.406) was higher than the total score post-test of the control class (1.809) which did not get the treatment. It can be said that Duolingo Application gave positive effect on the students, speaking achievement

CONCLUSION

The main purpose of this research is to find out whether the use of Duolingo Application can improve the students ability in speaking and to find out the influence of the Use of Duolingo toward the effective of the students in learning English. The conclusion can be drawn as the following : 1) Applying Duolingo in teaching learning process can improve the students ability in speaking. it can be proven from the Mean of deviation of the experimental group is 24,07 it means that the deviation is high. This group was taught by using Duolingo Application Mean of the deviation in control group is 4,87 means that the deviation is low this group was taught without using Duolingo Application 2) Duolingo is the media of the learning which can be use to increase levels of active learners in teaching learning process. After conducting pre-experimental research and analyzing the test . The research purposes some suggestion that would be the beneficial for the students, teachers and other researchers who are will interested in applying duolingo in speaking, help the students enjoy in learning English

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