

The Effect Of Using Instagram Application On Students' Speaking Ability At Grade X In SMA Negeri 4 Pematangsiantar In 2022/2023 Academic Year

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Abstrak

Penelitian ini bertujuan untuk mengetahui peran yang dimainkan Instagram dalam pengajaran berbicara. Tujuan penelitian ini adalah untuk mengetahui bagaimana pengaruh penggunaan aplikasi Instagram sebagai media kemampuan berbicara pada siswa kelas X di SMA Negeri 4 Pematangsiantar. Apa pengaruh penggunaan aplikasi Instagram terhadap keterampilan berbicara siswa kelas X di SMA Negeri 4 Pematangsiantar? ". Metode penelitian ini adalah eksperimen semu dan menggunakan data kuantitatif. Tes digunakan untuk mengumpulkan dan mengambil data penelitian. Sampel penelitian yang digunakan dalam penelitian ini adalah X PIS, dengan X PIS 1 sebagai Kelompok Eksperimen dan X PIS 3 sebagai Kelompok Kontrol, dengan total 74 siswa. Siswa mengikuti pre-and post-test, serta tes yang melibatkan perekaman objek. Temuan penelitian ini menunjukkan bahwa memanfaatkan aplikasi Instagram memiliki dampak yang cukup besar pada kemampuan berbicara siswa. Teori David P. Harris digunakan untuk menentukan nilai rubrik tes. Hasil Uji Validitas Kelas Eksperimen dihitung sebesar 0,78 dan tinggi, sedangkan Hasil Uji Reliabilitas Kelas Eksperimen sebesar 0,87 dan baik. Hasil Uji Validitas Kelas Kontrol adalah 0,69 dan cukup, sedangkan Hasil Uji Reliabilitas Kelas Kontrol adalah 0,81 dan cukup. Peneliti menemukan bahwa nilai rata-rata pre-test dan post-test Kelas Eksperimen adalah (Ma1 dan Mb2) masing-masing = 51,1 dan 69,2. Peneliti menemukan bahwa nilai rata-rata pre-test dan post-test Kelas Kontrol adalah (Ma1 dan Mb2) = 42,5 dan 52,1, masing-masing. Studi ini menemukan bahwa skor rata-rata keseluruhan Kelas Eksperimen (Ma) adalah 18,1. Studi ini menemukan bahwa nilai rata-rata Kelas Kontrol (Maoverall) adalah 9,6. Df adalah 70, atau derajat kebebasan. Standar deviasi keseluruhan dari Kelas Eksperimen (da2) menurut peneliti adalah 3599,6. Standar deviasi keseluruhan dari Kelas Kontrol (db2), menurut penelitian, adalah 3124,4. Peneliti menemukan skor t-tabel Dr. Imam Ghazali dengan df 70 = 1,667 setelah menghitung data dari poin sebelumnya. Peneliti menentukan nilai uji-t = 7,912 menggunakan rumus uji-t setelah menghitung data dari langkah sebelumnya. Hasil penelitian menunjukkan bahwa H diterima dan ditolak karena tingkat t hitung tabel = 0,05 yaitu (7,912 > 1,667). Hal ini menunjukkan bahwa penggunaan Instagram memiliki pengaruh yang menguntungkan dan signifikan terhadap kemampuan berbicara siswa kelas X SMA Negeri 4 Pematangsiantar.

Kata Kunci: Kemampuan Berbicara, Media Sosial, Akun Instagram Kampunginggrislc

Abstract

This study set out to determine the role that Instagram plays in the teaching of speaking. This study's goal is to determine how using the Instagram application as a medium for speaking ability at grade X in SMA Negeri 4 Pematangsiantar has an impact. What impact does utilizing the Instagram application

have on students' speaking skills in Grade X at SMA Negeri 4 Pematang Siantar? ". This research method was quasi-experimental and utilized quantitative data. Test was used to gather and retrieve the study's data. The research samples used in this study included X PIS, with X PIS 1 serving as the Experimental Group and X PIS 3 serving as the Control Group, for a total of 74 students. Students took a pre- and post-test, as well as a test that involved recording an object. The findings of this study demonstrated that utilizing the Instagram app had a considerable impact on students' speaking abilities. The David P. Harris theory was employed to determine the test's rubric worth. The Validity Test Result of the Experimental Class was calculated to be 0,78 and high, while the Reliability Test Result of the Experimental Class was calculated to be 0,87 and good. The Control Class's Validity Test Result was 0,69 and sufficient, while the Control Class's Reliability Test Result was 0,81 and sufficient. The researcher discovered that the Experimental Class's pre-test and post-test mean scores were (Ma1 and Mb2) = 51,1 and 69,2, respectively. The researcher discovered that the Control Class's pre-test and post-test mean scores were (Ma1 and Mb2) = 42,5 and 52,1, respectively. The study discovered that Experimental Class's (Ma) overall mean score was 18.1. The study discovered that the Control Class (Maoverall)'s mean score was 9,6. Df was 70, or degrees of freedom. The overall standard deviation from Experimental Class (da2), according to the researcher, was 3599,6. The overall standard deviation from Control Class (db2), according to the study, was 3124,4. The researcher discovered Dr. Imam Ghozali's t-table score with $df\ 70 = 1,667$ after computing the data from the preceding point. The researcher determined the t-test score = 7,912 using the t-test formula after calculating the data from the preceding step. The findings show that H is accepted and is refused because $t\ Countt\ tableat\ level = 0,05$, which is $(7,912 > 1,667)$. This indicates that using Instagram has a favorable and significant impact on speaking ability in Grade X SMA Negeri 4 Pematangsiantar.

Keywords: *Speaking ability, Social Media, Instagram Account Kampunginggrislc*

INTRODUCTION

Education is something that must be taken and accounted for by students. The quality of education should be relevant to the times that are constantly changing with various challenges in it. Education is one of the most important aspects of life to improve the quality of human resources. Therefore, efforts to improve the quality of education in schools are a strategy in improving human resources and being able to keep up with the times. Then all learning in the classroom has been changed to online learning from home, as well as renewal of learning to be limited to face-to-face through the circular letter of the Minister of Education and Culture, Research and Technology Number 2 of 2022 regarding guidelines for the implementation of learning during the Covid-19 pandemic. Therefore, teachers as educators make various efforts to improve student learning outcomes. For example, the use of media to convey learning materials in an interesting and liked by students.

Online learning is learning that uses the internet network with accessibility, connectivity, flexibility, and the ability to bring up various types of learning interactions. This kind of condition for educators and students is not something easy. Online learning is a distinct advantage for teachers and students who can make students more active in carrying out learning activities. As the fact that the researcher got while practicing PPL (Teaching Practice Program) at SMA NEGERI 4 PEMATANGSIANTAR, the researcher found several problems in the learning process to improve students' speaking skills, then researcher focus to the problems that the students were lack in pronunciation, comprehension, grammar, vocabulary and fluency.

To solve these problems, the researcher uses a new learning media, namely through social media, more precisely Instagram to be applied in schools. Since the implementation of the online learning system, the use of social media has become a trend for students. The Instagram application, which is one of the many social media applications, is an application/social media that is very popular with the public. Instagram is an image-based social media that provides online photo or video sharing

services that Instagram users can create themselves. Almost all SMA NEGERI 4 PEMATANGSIANTAR students use the Instagram application every day.

The many positive things that Instagram has to offer make the researcher finally focus on an Instagram account with the account name *kampunginggirslc*. *Kampunginggrislc* is the name of an account on Instagram that provides tips and exercises in studying English subjects, starting from grammatical writing sentences, how to pronounce them, increasing vocabulary in English, interacting in English and much more.

Speaking

Speaking is one of the skills that students must master in learning English. Speaking is an interactive process between teacher and student where the teacher imparts knowledge to students to produce language as a skill. Talking is used to ask or explain something to each other. Speaking is also a spoken language that generates interaction with others because in speaking there is a two-way process between the speaker and the listener. Speaking is an ability that is learned as it is through a process of socialization that is used to communicate in everyday life, both at school and outside of school. Finegan (2004) says that, speaking is a communication that uses voice, both in formal and informal situations. Language development is an important aspect of development to be mastered. Language consists of spoken language and written language. Spoken language is an important element in interaction or socialization (Dardjowidjojo, 2003:17). Tarigan in Suhartono (2005:20) said that speaking is the ability to pronounce articulation sounds to express and convey thoughts and feelings.

Social Media

Van Dijk (2013), in the book *Social Media* by Nasrullah (2016:11), that "Social media is a media platform that focuses on the existence of users who facilitate them in their activities and collaborating. Therefore, social media can be seen as an online media (facilitator). which strengthens the relationship between users as well as a social bond." and by using social media, various two-way activities can be carried out in various forms of exchange, collaboration, and getting to know each other in written, visual and audiovisual forms. Social media begins with three things, namely Sharing, Collaborating and Connecting (Puntoadi:2011). Boyd in Nasrullah (2015) defines social media as a collection of software that allows individuals and communities to gather, share, communicate, and in certain cases collaborate or play with each other. Social media has the power of user-generated content (UGC) where content is generated by users, not by editors as in mass media agencies. Meanwhile, Meike and Young in Nasrullah (2015) define the word social media as a convergence between personal communication in the sense of sharing between individuals (to be share one-to-one) and public media to share with anyone without any individual specificity.

Instagram Application

One of the most popular Social Network is Instagram. Students can use this social media to support their study. Instagram is a social network based around sharing pictures and fifteen-second videos which can be posted to the social media sites, Blair&Serafini (2014). By using Instagram teacher can promote activities to develop and increase their motivation to speak English better, Handayani (2016). Instagram is also one of the social media that is known well by the youth and adult. It was very easy for students in learning language exactly speaking by using Social Media that they always use in their daily. Learners can do many activities for preparing the speaking well. Learner can post their description about some places. And other learner would be comment on the posting about the error the speaker made. Example like, other students comment about the structure used and the pronunciation. Other sides, teacher can post the vocabularies that relate to the topic which will be discussed next meeting. Instagram is an application that is used to share photos and videos. Instagram

itself is still part of Facebook which allows Facebook friends to follow us on Instagram social media accounts. The increasing popularity of Instagram as an application that is used to share photos has resulted in many users getting into business shutters such as business social accounts that also promote their products through Instagram. (M Nisrina, 2015:137).

METHOD

This study uses quantitative research requiring researchers to explain how variables affect other variables. Creswell (2012:13). This type of research is a quasi-experimental (quasi-experimental), in which the research variables do not allow for full control. The design used by the researcher is the Nonequivalent Control Group Design. Basically, the steps in this design are the same as the Pretest-Posttest Control Group Design, only in this design the experimental group and the control group are not chosen randomly or randomly. Quasi designs fair better than pre-experimental studies in that they employ a means to compare groups. They fall short, however on one very important aspect of the experiment: randomization (AllPsych, 2018). Quasi-experimental designs are similar to randomized experimental designs in that they involve manipulation of an independent variable but differ in that subjects are not randomly assigned to treatment groups. Because quasi-experimental designs do not provide full control, it is extremely important that researchers be aware of the threats to both internal and external validity and consider these factors in their interpretation. Although true experiments are preferred, quasi experimental designs are considered worth while because they permit researchers to reach reasonable conclusions even though full control is not possible. Initially both were given a pretest (O1 and O2). The difference is that one group is given treatment (X), while the other group is not treated but is made or treated as a control group. Both groups received different treatment (O1 and O2). After the treatment was completed, both groups received the same pre and post test (Y1 and Y2). The experimental class received the treatment type of cooperative learning model. The control class received conventional english learning treatment.

Table 1 : Nonrandomized Control Group, Pretest–Posttest Design.

Group	Pretest	Treatment	Posttest
Experimental	Y1	O1	Y2
Control	Y1	O2	Y2

Explanation:

Y1 : Pre-test

Y2 : Post-test

O1 : Using Instagram

O2 : Ordinary learning method

Population of this study is all 10th grade students of SMA Negeri 4 Pematangsiantar, totaling 360 students. The sample of this study is taken by using purposive sampling. The Experiment group is X PIS 1 and the control group is X PIS 3. So the sample in this study is 74 students. the researcher used two variables, namely the independent variable (X), namely the Instagram Application and the dependent variable (Y), namely Speaking ability. This research will be conducted in Class X PIA 1 and X PIS 3 SMA Negeri 4 Pematangsiantar. Data collection techniques used in this study are speaking test. Last, Validity and Reliability. Validity is to show the valid of the instrument. A valid instrument has a high validity. Otherwise, a less valid of the instrument has not a high validity. Validity testing is to know the validity of the test, the writer compares them with the result of the test by using the coefficient product-moment formula by Arikunto (2006) :

$$r_{xy} = \frac{N \sum XY - (\sum X)(\sum Y)}{\sqrt{\{(N\sum X^2 - (\sum X)^2)\} \{(N\sum Y^2 - (\sum Y)^2)\}}}$$

Where :

N : Total of the students

X : The score in the pre-test

Y : The score in the post-test

Reliability is a necessary characteristic of any good test, for it to be valid at all; a test must first be reliable as a measuring instrument. To obtain the reliability of the test, the writer used the formula (Arikunto, 2006:180) as follows:

$$r_{11} = \frac{2r_{1/21/2}}{(1 + r_{1/21/2})}$$

Where :

r_{11} : Coefficient Reliability

$r_{1/21/2}$: Scores Coefficient between the two test

FINDINGS

According to the explanation about the analysis of the results on the table above, the researcher can conclude that there is significant effect on the students' ability in speaking after using Instagram Account Kampunginggrislc. With the research data and results below:

1. Na and Nb = 36
There are 36 students in Experimental Class and 36 students Control Class.
2. The Validity Test Result of Experimental Class was 0,78 and high while the Reliability Test Result of Experimental Class was 0,87 and good.
3. The Validity Test Result of Control Class was 0,69 and sufficient while the Reliability Test Result of Control Class was 0,81 and sufficient.
4. The researcher found the mean score in Experimental Class from pre-test and post- test were (Ma1 and Mb2) = 51,1 and 69,2.
5. The researcher found the mean score in Control Class from pre-test and post-test were (Ma1 and Mb2) = 42,5and 52,1.
6. The researcher found the total mean score from Experimental Class (Ma) was 18.1.
7. The researcher found the total mean score from Control Class (Ma) was 9,6.
8. Df (degree of freedom) was 70.
9. The researcher found the total standard deviation from Experimental Class (da2) was 3599,6.
10. The researcher found the total standard deviation from Control Class (db2) was 3124,4.
11. After calculated the data from the previous point, the researcher found the t-table score with df 70 = 1,667 from Dr. Imam Ghozali.
12. After calculated the data from the previous point, the researcher got the t-test score = 7,912 from the t-test formula.

DISCUSSION

The purpose of this study was to find out what effect the application of the Instagram application had in speaking learning. To find out the effect of implementing the Instgaram application as a media for speaking ability, the researcher gave a pre-test, post-test to see if there is an effect in the experimental class after being given treatment. The researcher's experience shows that the

Instagram application can have a good influence on speaking ability. Students who are taught using the Instagram application get better grades than students who are taught using conventional learning. After analyzing the data, the author finds out that the Instagram application in speaking ability. The weakness of researchers when implementing speaking treatment through the Instagram application is when creating video content. When the video learning made more interesting by researchers, then more students will repeat the videos and learn from it, but when the reserachers made less interesting videos then students will only watch the video once and not repeat tha. or maybe not watch the video until the end. The other weakness of researchers when implementing speaking abiity through the Instgaram application is most students who have learned from instructional videos immediately see other Instagram videos that appear on their Instagarm homepage, so they keep opening their Instagram application. The strength of researcher when using the Instagram application as a learning media is that with videos that have been shared by researchers, students learn more often without coercion and researchers can see clearly how many students are active in the classroom through comments on videos. The Instagram application also has a algorithm (system) to make us (the usher) to see what the usher want to see. The possibility that videos made by researchers can appear on the homepage of anyone who is likely to watch the video. So that the viewer of the videos is not only from the experimental class.

The researcher found the total standard deviation from Experimental Class (da2) was 3599,6. The researcher found the total standard deviation from Control Class (db2) was 3124,4. After calculated the data from the previous point, the researcher found the t-table score with $df\ 70 = 1,667$ from Dr. Imam Ghozali. After calculated the data from the previous point, the researcher got the t-test score = 7,912 from the t-test formula. It can be seen from the result, it turns out that $t_{Count} < t_{table}$ at level = 0,05 that is $(7,912 > 1,667)$ therefore H_0 is accepted and H_a is rejected. So that it can be stated that there is a positive and significant effect of using Instagram application on students' speaking ability at Grade X in SMA Negeri 4 Pematangsiantar. Therefore, it can be concluded that learning using the Instagram application is effectively used as a learning medium in learning speaking. The use of the Instagram application can minimize students' difficulties in practicing especially in pronunciation. but there are also many small things that must be considered in using the Instagram application as a learning medium. Students must continue to be supervised in using the application because behind the positives in using the Instagram application, there are also the weakness of using Instagram application.

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