

The Influence of Using "Hello Talk" Smartphone Application on Android Platform in Improving Students' Learning Outcomes in Listening Class

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ABSTRACT

This study aims to determine the influence of using the Hello Talk application based on the Android smartphone platform on improving the learning outcomes of English Education students at UNU Purwokerto in the listening class. The researcher used an experimental research design, where this method was applied to two groups: experimental group and control group. The population in this study consisted of 24 students, and all of them are used as samples. There were twelve students in the control group and twelve students also in the experimental group. The technique of data collection used test namely pre-test and post-test. The result of assessment showed that the mean of score in pre test was 73.75 and the mean of score in post test 82,83, it was 12,3%. It means that there was significance improvement in the experimental group. In the control group, it showed that the mean of score in pre test was 69.42 and the mean of score in post test 82,83. It was 9,23%. It means that there was significance improvement in the experimental group.. The result of t-test formula was 0.1 and the t-table is 0.05. It means t-test value was higher than t-table. Overall, Hello Talk application can give good influence for learning listening.

KEYWORDS

English
Learning
Hello Talk
Listening

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1. Introduction

Listening class is a compulsory subject in the English Education Program at University of Nahdlatul Ulama Purwokerto (UNU Purwokerto). The listening skill of students in the English Language Program at UNU Purwokerto are low. Listening learning there is still carried out in a centralized manner, meaning that lecturers still use conventional methods where students are less actively involved in learning. Students have low motivation because they consider the listening class to be boring. Learning in the listening class only provides with the opportunity to listen and do exercises. Students are less actively involved in learning. They only engage in listening learning during lectures, so their time spent on listening learning is limited and not intensive.

Nowadays, everyone including students can express everything through social media and digital platforms as they wish, especially for the younger generation known as Generation Z or Zoomers. (Nasional et al. 2006) explains that web-based learning is a learning process that utilizes website media accessible through the internet network. One of them is mobile learning media, such as the hello talk application. This media uses an android smartphone to assist in the learning process, allowing students to focus more and be motivated to learn because it uses media that can capture students' attention. Hello talk is an application for learning foreign languages, such as English, Mandarin, Japanese, and others. Hello talk is the result of international collaboration based in Hong Kong and Shenzhen, China. The mission of hello talk is to utilize technology to connect the world through language and culture with more than 7 million members.



Utilizing the internet in listening learning becomes one of the learning models suspected to foster independence in learning listening. Various applications are available to be optimally utilized in listening learning. Hello talk can be used as an alternative learning media in the listening course of the English Language Education program at UNU Purwokerto. The limited availability of free media, accessible anytime and anywhere, becomes an obstacle that needs to be addressed. Low motivation and self-confidence in listening learning are also experienced by students in the English Language Education program at UNU Purwokerto. However, motivation and self-confidence are considered crucial internal factors in the teaching and learning process according to (Phillips and Lindsay 2006). Listening learning in the English Language Education program at UNU Purwokerto is still not optimal. Students' habits also become one of the barriers to improving listening course learning outcomes and their lack of listening ability. One such habit is using the Indonesian language and rarely practicing listening to English vocabulary. From this habit, students have difficulty understanding when dialoguing in English because they do not understand what their interlocutors are saying. This is also evidenced by the grades obtained in the listening course still being below 60. Lecturers also provide motivation during conventional listening learning.

The research takes the students of the English Language Education program at UNU Purwokerto in Interpersonal Listening classes as the research object. This study will focus on the influence of using the hello talk application based on the Android smartphone on improving students' learning outcomes in the listening course. Students will be taught listening using the hello talk application. Data will be collected from experiments to determine whether students' listening learning outcomes are influenced by using the hello talk application.

This research aims to determine the influence of the hello talk application based on Android smartphones on improving students' learning outcomes in the listening course. This research is conducted as the initial step in the development process of the "Lets Practice" application for learning English. Students in this era prefer to spend their time playing with various applications on their devices. Therefore, this application is expected to assist in English language learning for all skills in English.

Listening is one of the essential skills in English language proficiency. According to (Febtriningsih 2019), listening is a fundamental component in language learning and teaching. Students must possess good listening skills. When students study English, they should also have good listening skills so that what they receive and learn can be easily understood. Listening ability is also a crucial component in language learning and teaching. (Nur Ekawati 2017) states that listening encompasses short dialogues, long dialogues, and monologue texts in everyday life. Higher education listening learning does not only involve filling in blanks but students are expected to understand what is conveyed by native speakers. According to (Yefridelti 2018), listening skill is the ability to receive where listeners can understand, interpret, and evaluate what they hear. By listening, information is obtained, and the listener can understand and comprehend the received information.

According to (Adelmann 2001), listening is the process of receiving, constructing meaning from, and responding to spoken and/or nonverbal messages. Listening is the process of receiving, understanding the conveyed meaning, and being able to respond to the speaker, whether in verbal or nonverbal messages. In the listening process, the ability to respond to what is heard is crucial; if the recipient does not understand what is heard, it means the listening process is not going well. According to (Nurul, Zubainur, and Munzir 2021), listening ability consists of several stages, including:

1. Planning stage of listening: In this stage, the lecturer explains to the students about the material to be delivered. The material to be presented in the first cycle is introduction/greeting. Additionally, the lecturer prepares the media to be used in the listening learning process.
2. Implementation stage of listening: After explaining the material to be given and how to use the hello talk application, the lecturer starts by giving instructions or commands to

the students regarding the steps to be taken. In this stage, students are expected to mimic the pronunciation of words, phrases, or sentences they hear.

3. Completion stage of listening: In this stage, the lecturer along with the students checks the listening answers whether they are correct or incorrect and then discusses them again. If there are still many errors during the recording following the native speaker's speech, the lecturer asks to repeat until the pronunciation is close.

Listening requires several criteria to achieve its goals. Listening has five elements: hearing, attending, understanding, responding, and remembering.

1. Hearing can occur if the sound source reaches the listener with adequate frequency and is not within noisy surroundings.
2. Attending is a process of filtering received news or information.
3. Understanding can occur if the received message can be understood and comprehended.
4. Responding is giving feedback to the speaker on what has been conveyed, for example, through facial expressions, direct eye contact, and other forms of communication.
5. Remembering is the ability to retrieve obtained information. In other words, we must actively participate in communication activities because communication will occur if the recipient can understand what the speaker is conveying.

The application called Hello Talk is an educational application on smartphones that helps users understand and learn English. Developed by Culture Alley, the app has been downloaded by up to 10 million users and was named the best Google app in 2016. Hello Talk offers many languages to accommodate users, including Indonesian, Malay, Indian, Spanish, and others. (Rivera 2017) claims that this app is the first global language and culture learning application, a community exchange that connects users with native speakers of other languages (English, Japanese, Korean, Spanish, French, Mandarin, Cantonese, Portuguese, German, Italian, Russian, and Arabic) for free. Hello Talk features global and local ranking systems that rank students based on the coins they possess. Coins are earned through learning activities, so the more coins a user has, the higher their ranking. This can motivate users to learn English more enthusiastically.

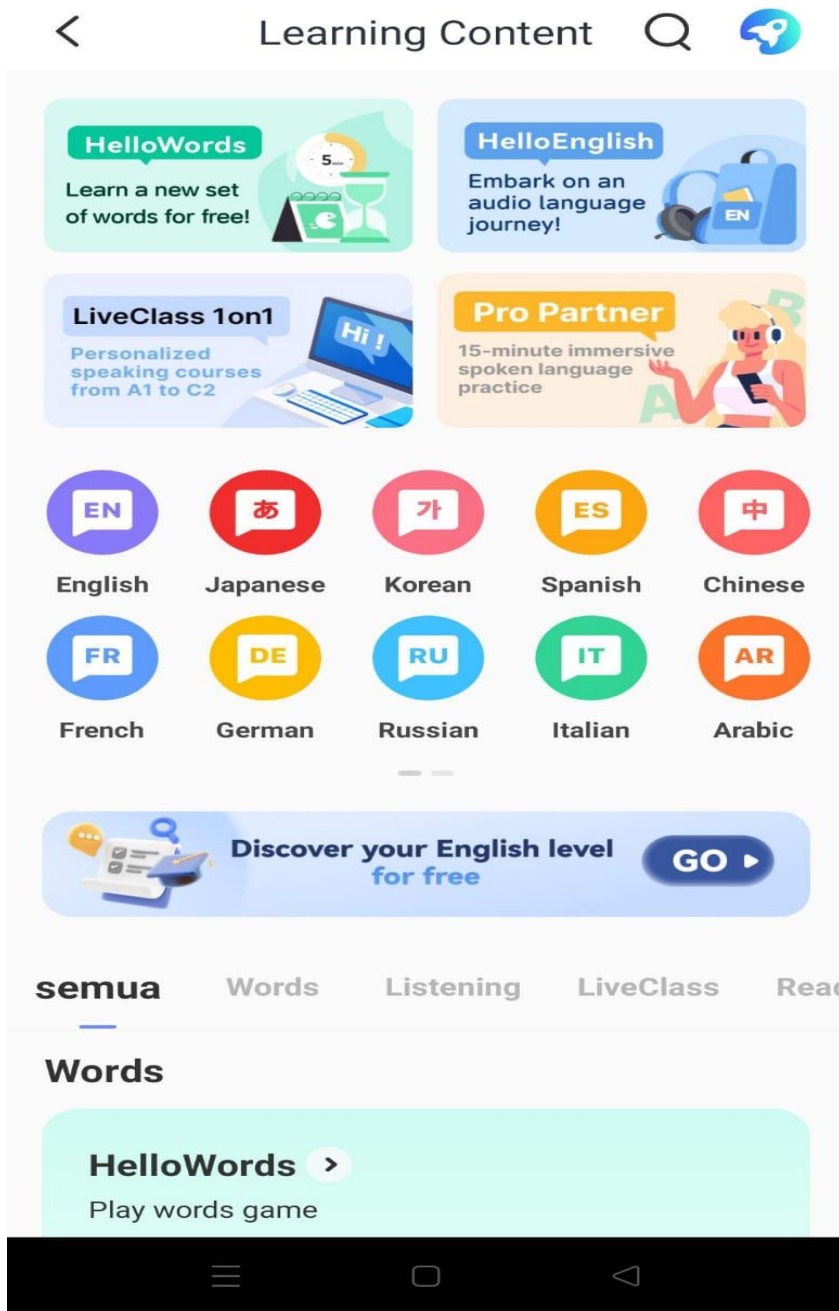
In the helpline feature, Hello Talk typically provides vocabulary related to specific topics every day, helping users expand their vocabulary knowledge. In addition to providing new vocabulary, the helpline also includes quizzes where users are asked about the meanings of phrasal verbs. Users can also ask questions about problems they are facing, which will be answered within 24 hours. Hello Talk offers a wide range of English language materials divided into 12 phases. Each phase consists of an average of 50 topics, and each topic has three games. In addition to answering questions, there is also a speaking section where users must pronounce a word or sentence correctly. The app also comes with a dictionary containing approximately 10,000 words, eliminating the need for users to open other applications to find translations.

English is a tool for oral and written communication. Proficiency in communication entails discourse competence, which involves understanding and/or producing oral or written texts realized in the four language skills: listening, speaking, reading, and writing. These four skills are used to respond to or create discourse in society according to (Genc 2015). Listening is an important aspect of learning English because we need to understand what others say to us. To master listening, we must truly comprehend the words we hear. In this study, the focus is on the grammar structure in English, especially the simple present tense, with indicators such as the ability of participants to identify words or phrases in audio or video materials. The assessment criteria include comprehension and accuracy. The face of applications are here:

The cover:



The menu. We chose “Englsih”



Then, we choose skills that we will use

< English Courses

Listening

HelloEnglish >

252 lessons from A1 to C2



Discovering Tiktok

#免费课程

A2

🔊 10:50



Do you want to talk ?

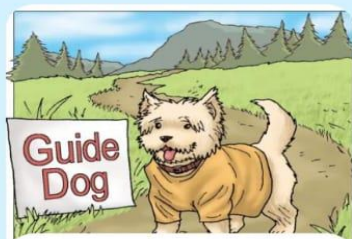
#新手入门

A1

🔊 5:46

English Comics Reader >

Pick up English fast with fun animated stories



Toby the Leader

#Level 1 (Set 1)

A1

🔊 1:11



Eat to Win

#Level 1 (Set 2)

A1

🔊 1:00

The use of learning media is one aspect that affects students' learning outcomes. Hello Talk is one of the mobile learning applications used as a learning medium. One advantage of mobile learning in education is that the learning process is not bound by location and time. Hello Talk requires a platform to run, namely smartphones with the Android operating system. Considering the large number of Android smartphone users in the English Language Education Program and the low level of student understanding of English language learning aspects such as grammar, speaking, listening, and writing, Hello Talk is suitable for use by students as a means to enhance their knowledge, especially in listening skills.

2. Method (bold, 11 pt) (one single space, 11pt font)

(Ruseffendi 1994) states that "research method is a way to seek truth". The experimental method is a method used to conduct experiments and systematic observations in a specific

situation, where the observed phenomena are simplified, with only a few factors being observed, allowing the researcher to manage the entire experimental process.

This method is given to two groups, namely the experimental group and the control group. The initial step is to administer a test to both the experimental and control groups. Subjects who have not received treatment are called pre-tests (O1). After conducting the pre-test to obtain initial data before treatment, the next step is to conduct the treatment (X) by providing listening learning using the Hello Talk application on Android smartphones in the experimental class. For the control class, conventional learning will be conducted for a certain period of time. The treatment will be given for 6 sessions or 6 weeks. After treatment is administered to students experiencing issues, a test will be administered again to measure the level of students' listening abilities after being subjected to the experimental variable (X). In this case, a post-test will be conducted to obtain data on the results of the experiment where students' listening abilities either increase or show no change at all. Compare O1 and O2 to determine the extent of the differences that arise, if any, as a result of the experimental variable being administered.

Primary data comes from the results of pre-tests and post-tests as well as from the students. The results of the pre-test and post-test can indicate whether there is an improvement or not in the results of learning listening using the Hello Talk application. Then, the data is analyzed using t-tests according to (Suharsimi-Arikunto, n.d.).

The research approach used is a quantitative research approach. This quantitative research is conducted with the aim of demonstrating the relationship between variables and obtaining research data based on numerical scales, then analyzing the data and performing statistical calculations.

Data analysis techniques are performed by processing the results of pre-tests and post-tests. Researchers analyze the data using data analysis steps by Mckernan. The steps are: collecting data, coding data, comparing data, building interpretation, and reporting results. The data analysis process is as follows:

1. Researchers collected data from pre-tests and post-tests to determine the effect of the Hello Talk application based on Android smartphones on improving student learning outcomes in listening courses.
2. Researchers used t-tests for data analysis.
3. The results of these tests would be analyzed by researchers using the t-test formula as follows.

$$t = \frac{|M_x - M_y|}{\sqrt{\left\{ \frac{\sum x^2 + \sum y^2}{N_x + N_y - 2} \right\} \left\{ \frac{1}{N_x} + \frac{1}{N_y} \right\}}}$$

Where:

t = value

M_x = mean of the experimental group

M_y = mean of the control group

∑x = standard deviation of the experimental group

∑y = standard deviation of the control group

N_x = subjects in the experimental group

N_y = subjects in the control group

3. Results and Discussion

3.1. Results

In the process of collecting data, the researcher conducted 6 meetings with both the experimental and control groups. Initially, the researcher administered a pre-test to the students in both classes (experimental group and control group) during the first meeting. The results of the pre-test are as follows:

Table 1
The Result of pre test from experimental group

Pre-test (eksperimental group)	
Σ (Total Score)	885
N	12
Maximum Score	83
Minimum Score	60
Mean	73,75

Table 2
The Result of pre test from control group

Pre-test (control group)	
Σ (Total Score)	833
N	12
Maximum Score	83
Minimum Score	57
Mean	69,42

Then, the researchers did the treatment by using Hello Talk Application as the media in learning English for experimental group. The material that we used are based on the syllabus and RPS for listening subject. For control group, we did learning in 6 meetings without using Hello Talk Application.

Table 3
Here are the materials :

No	meeting:	Top ic
1	1	Born Lucky
2	2	Arround The World
3	3	Happy Birthday
4	4	How are you Feeling

5	5	At the Mall
6	6	At the Movies

After the researchers di threatment in six meetings, the students did post test. Here are the result:

Table 4
 The result of Post-test in
 Eksperimental group

Control Group Post-test	
Σ (Total Score)	994
N	12
Maximum Score	97
Minimum Score	67
Mean	82,83

Table 5
 The result of Post-test in control
 group

Control Group Post-test	
Σ (Total Score)	910
N	12
Maximum Score	90
Minimum Score	67
Mean	75,83

Table 6
 The comparison of the mean scores between experiment and control group

Group	Pre-test	Post-Test
Experimental	73,75	82,83
Control	69,42	75,83

The table shows us that there were two things result include experimental group and control group. In the experimental group, it shows us that the mean of score in pre test was 73.75 and the mean of score in post test 82,83. Then, the percentage of the progres score between the pre test and the post test was 12,3%. It means that there was significance improvement in the experimnetal group. In the control group, it shows us that the mean of score in pre test was 69.42 and the mean of score in post test 82,83. Then, the percentage of the progres score between the pre test and the post test was 9,23%. It means that there was significance improvement in the experimnetal group. The researchers did pre test and post test, then continuing did data analize. This step is to know the influence of Hello Talk application on android platform in Improving Students' Learning Outcomes in Listening Class

Here are the calculation by using t-test:

Note:

$$M_x = 8,25$$

$$M_y = 8.16$$

$$\sum x^2 = 94.3$$

$$\sum y^2 = 221.7$$

$$N_x = 12$$

$$N_y = 12$$

=

= 0,1

3.2. Discussion

This study aims to find out whether Hello Talk Application effective to increase the outcome in learning listening. The mean score between pre-test and post-test from both experimnetal group and control group were calculated to know whether Hello Talk Application effective to increase the outcome in learning listening or not. By knowing the result of pre-test that experimental group is 73.75 and control group is 69.42. Based on the pre-test score, it can be said that the ability of learning English before teh treatment of both groups was relatively the same and also can be said homogenous. After after analysing data, post test scores of the experimental group were better than control group. The score of post test from experimental group is 83.82 and the score of post test

from control group is 75.83. Then by using t-test, it has result that t-test formula was 0.1 and the t-table is 0.05. Hello Talk application that is used in this research can give good influence for learning listening. Although the use of Hello Talk Application is proved effective in teaching listening, the researchers had some problems when used this method. The first, we needed much time to direct the students while using Hello Talk Application. This occurred because any student who didn't follow the direction well although we have explain the instructions. In front of the class, the second it was about internet connection was not stable.

4. Conclusion

Based on the result of the study used experimental design about the influence of Hello Talk Smartphone Application on Android Platform in Improving Students' Learning Outcomes in Listening Class, then the researcher found that the experimental group post-test score is better than the control group post-test score. It is supported by the data result of t-test 0.1 and the t-table is 0.05. Hello Talk application that is used in this research can give good influence for learning listening.

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