



DUOLINGO APP EFFECT ON ARABIC SPEAKING SKILLS

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ABSTRAK (Bahasa Inggris)

Arabic is a very special language. In addition to being the language of the holy book of the al-Qur'an, Arabic is also an international language agreed upon by the United Nations. However, not many people can communicate or speak Arabic in Indonesia. Many factors are the cause, such as a lack of vocabulary savings and not being used to speaking Arabic. From the emergence of these problems, it raises the question of how to make many people who have a lot of Arabic vocabulary so that they can speak Arabic fluently. To overcome this problem, the author conducted a study on the effect of using Duolingo application as a media innovation to improve Arabic speaking skills. The author uses a survey method by giving several questions to fifteen respondents from the Cipulus Wanayasa Islamic Boarding School students as a tool to collect data. The results showed that 74.6% respondents' answers agreed that Duolingo application had an effect on improving Arabic speaking skills and 25.4% respondents' answers gave an ordinary opinion that had no effect. From the results, the authors can conclude that there is an effect of Duolingo application for improving students' Arabic speaking skills. This application is very useful for those who want to learn Arabic on their own.

Keywords: Arabic, Speaking Skills, Duolingo

1. INTRODUCTION

Learning is a process of interaction between students and educators and learning resources in a learning environment. Learning is assistance provided by educators so that the process of acquiring knowledge and knowledge, mastery, skills and character, as well as the formation of attitudes and beliefs in students can occur. In other words, learning is a process to help students to run well [1].

One of the notions of learning proposed by Gagne (1977) is that learning is a set of external events designed to support several internal learning processes. Furthermore, Gagne (1985) put forward his theory more fully by saying that learning is intended to produce learning, external situations must be designed in such a way as to activate, support, and maintain the internal processes contained in each learning event [2].

Learning, the substance is teaching activities carried out optimally by a teacher so that the students he teaches certain materials carry out learning activities well. In other words, learning is an effort made by the teacher in creating certain material learning activities that are conducive to achieving goals [3]. Thus, foreign language learning is a teaching activity carried out maximally by a teacher so that the students he teaches a particular foreign language carry out learning activities well, so that it is conducive to achieving the goal of learning a foreign language. [4]

In language learning, there are three terms that need to be understood in terms of their precise meanings and concepts, namely approaches, methods, and techniques. Edward M. Anthony in his article "Approach Method and Technique" the three terms are as follows:

1. The approach, which in Arabic is called madkhal, is a set of assumptions regarding the nature of language and the nature of language teaching and learning. An axiomatic or philosophical approach that is oriented towards beliefs, philosophy, and beliefs but does not have to be proven.
2. The method, which in Arabic is called ath-thoriqoh is a comprehensive plan that deals with the presentation of language material in an orderly or systematic manner based on a determined approach. If the approach is axiomatic, then the method is procedural. So that in one approach there can be several methods.
3. The technique, which in Arabic is called uslub or popular in our language with strategy, is a specific activity that is implemented in the classroom, in line with the approach and method that has been

chosen. Techniques are operational, because they really depend on the imagination and creativity of a teacher in composing material, overcoming and solving various problems in the classroom.

From the explanation above, it can be understood that the three terms have a hierarchical relationship. From one approach can present one or several methods, and from one method can implement one or more strategies. Instead, the strategy must be consistent with the method and therefore should not conflict with the approach. [5]

In learning Arabic, there are four language skills that students must possess, namely: listening skills (maharah istima'), speaking skills (maharah kalam), reading skills (maharah qiraah), and writing skills (maharah kitaabah) [6]. In mastering the four language skills, some linguists assume that a person's linguistic ability is only determined by the level of mastery of vocabulary. [7] This is certainly relevant to language skills as a means of communication, you must first master the vocabulary (mufrodat). Every Arabic language learning cannot be separated from methods, strategies, as well as techniques and media. Speaking skills can be obtained by habituation. The habituation itself is a form of repeated practice in the revision program including the strategy in the learning. According to Bloomfield's theory (1887-1949) synergized with BF Skinner's theory (1904-1990), that language acquisition is similar to the acquisition of other habits. Language is assessed as part of a habit or behavior that is acquired or learned by young children gradually through istima', imitation, repetition until the language is mastered well and becomes a habit. [8] To acquire language skills in the learning process and become a daily habit in their environment, of course, requires the competence of Arabic language teachers who have innovative strategies in teaching.

Arabic language teachers as well as other subject teachers in schools must have pedagogical competence, such as teacher mastery of learning theories and principles, able to develop curricula related to the subjects being cared for, organize educational learning, utilize technology in learning and so on. In teaching and learning activities, teachers need learning media every time the teacher teaches [7]. This is because the learning media helps teachers and students to more easily achieve learning objectives. There are many kinds of learning media that are currently available, such as applications. Today's applications are widely used by teachers to help the teaching process. Because the application is very easy to use and not difficult to carry [9].

As time goes by and the pace of technology, applications are not only engaged in technology, health. The application has now penetrated into the world of education which has become a learning innovation using technology. Like the Duolingo application, which has been here to provide innovations in helping humans to easily learn languages that exist in the world. Duolingo provides many features to its users and offers 94 different language courses in 30 languages for English and non-English speakers globally using English as the language of instruction. This application also uses learning while playing so that people who learn languages in this application do not get bored quickly in using it. Duolingo is a simple platform with a visually appealing and intuitive user-friendly interface [10].

In this study, the author will focus on students who are studying language, especially Arabic. This research was conducted after seeing not a few students who studied Arabic but they could not speak Arabic in their daily life. Whereas the essence of learning a language is communication. With these problems the authors conducted this study aimed to determine the effect of the Duolingo application on the students' Arabic speaking skills. There are many benefits that can be obtained in this research, for example knowing the media platform for language learning applications that are easy and fun so that they can improve language skills. Finally, the author hopes that this research will inspire readers and the author also wants to motivate students to be even more active in learning Arabic so that the four skills are achieved.

2. LITERATURE REVIEW

2.1 Arabic Speaking Skills

Skills according to Dictionary big language Indonesian (KBBI), means ability, dexterity, shrewdness in do something or solve problem [11]. Skills can also be interpreted as something ability use sense thought and creative ideas in do or make something Becomes more useful or means, so produce something Mark from results that. With Skills somebody capable do something profession by effective and efficient. [12]

Skills divided Becomes two that is Skills physique and non- physical skills. Skills physique like: make craft, cook, build building, typing, and so on. Whereas non- physical skills such as: teaching, compiling work scientific, leading meetings, and so on. Skills tend to be followed by habit, because someone who has used to do profession the will make it Becomes skillful, Effectiveness and efficiency something job

determined by tall level skills possessed someone. The more tall level skills, the more effective and efficient profession that. And vice vers.

Speaking skill is a continuation of listening skill. These two skills are interrelated, because people with good hearing are possible to speak well and vice versa. Therefore, language teachers can carry out learning speaking skills while accompanying students' listening skills. Students' understanding of the topic obtained through the listening process can be used as the first step in teaching speaking. Basically speaking skills are disclosures (ta'bir) and the content of thoughts that have been recorded in students' understanding[4].

Speaking skills are considered as very important skills in foreign language learning, because speaking is something that is applicable in language and is the initial goal of a person learning a language. In order for speaking learning to get maximum results, it is necessary to pay attention to two factors, namely the ability of the teacher and the method used. The most appropriate time to teach speaking is the first time someone learns a language, so a teacher must be able to teach his students how to speak properly and correctly because if a student is wrong in expressing the language, he will get used to it in later times. Speaking skills include learning to speak (al-muhadatsah) and direct expression (al-Ta'bir al-Shafahi). The objectives of learning to speak, including:

- 1) Can express Arabic expressions.
- 2) Can reveal different or similar expressions.
- 3) Can distinguish long-read and short-read expressions.
- 4) Can express his heart's desire by using sentence structure that is in accordance with nahw (grammar)
- 5) Can express what comes to mind by using the correct rules in the preparation of sentences in Arabic.
- 6) Can use parts of Arabic grammar in their expressions, such as the mudzakkar, mu'annats, and fi'il signs that correspond to time.
- 7) Can use linguistic expressions that are appropriate for age, level of maturity and position.
- 8) Can browse and explore Arabic manuscripts and literature.
- 9) Can express clear and understandable expressions about himself.
- 10) Able to think about Arabic and express it appropriately in any situation and condition. [10]

There are several supporting factors in learning to speak in order to obtain maximum results, including:

- 1) Speech Factor (al-Nutq)

A person's ability to express a language with fluent, good, and correct expressions is the initial benchmark of a person's ability to speak, because the first thing that is heard and can be detected directly by other people in language is spoken language (speech). Therefore, in learning to speak a person needs to be guided and motivated so that he dares to express the language without having to provide strict and rigid corrections for the mistakes he makes. However, it does not mean educating learners to make mistakes and let them express them incorrectly, but it is a gradual exercise so that courage grows in them to express a language, because not a few people have the ability to learn linguistics but they are not able to express the language properly. good.

- 2) Vocabulary Factor (al-Mufradat)

The development of a person's language can actually be detected as early as possible through his mastery in expressing things that are implied in his mind spontaneously, because someone's spontaneous expression by using a foreign language is evidence that he has a myriad of mufradat (vocabulary).

- 3) Grammar Factor

Many language observers deny the importance of the grammatical function in learning foreign languages, do not have high urgency, and are not needed in learning to speak, because grammar (qawa'id) is considered to stifle learners' creativity in speaking. This opinion does not mean it is true forever, but it is very relative because the truth of this opinion will be valid if the learning is intended for beginners and new to Arabic. If this beginner is taught grammar directly, then he will find it difficult, but if the material is given to those who are already somewhat advanced with a sufficient set of vocabulary, then learning grammar itself will become a necessity to correct and direct the language so that it is good and good. correct.

Some basic principles in learning to speak according to the level of the learner:

- 1) Basic Level (Mubtadi')
The teacher can throw questions which are then required to be answered by the students and the teacher tries to arrange the order of questions according to the material or topic of the lesson as a whole. In between the answers, students can learn how to pronounce words, compose sentences, and convey thoughts well. Among the techniques of teaching maharah al-kalam at the basic level , namely :
 - a) Repeat (isma' wa raddid/listen and repeat)
 - b) See and Say (unzhur wa qul/see and say)
 - c) Questions and Answers (question and answer)
 - d) Completing the Sentence (ikmal al-sum/completion)
 - e) Asking (taqdim al-as'ilah/giving the question) [13]

- 2) Intermediate Level (Mutawassith)
At this level, the teacher can develop learning conditioning. For example, by using a role-playing technique (la'b al-dawr), telling stories about events experienced by students, recounting what they have heard on the radio or what they have seen on television, videos, and others. Among the techniques that can be used for teaching intermediate speaking skills are:
 - a) What do you do (madza ta'mal?/ what will you do)
 - b) What is your comment (madza taqulu?/ what do you say)
 - c) Chain Story
 - d) Conversation (muhadatsah/conversation)
 - e) Role Play

- 3) Advanced (Mutaqaddim)
At this level, the teacher can ask students to tell the things they like or hate the most with reasons. This is more difficult than just telling a story because there is an analytical and judgmental element. So students are really directed to practice in order to be able to reveal what is the burden of their minds [13]. Among the speaking skills teaching techniques that can be used at this level, namely:
 - a) Compose Oral or Speech
 - b) Telling events or memorable experiences (khibrah mutsirah /interesting experience)
 - c) Eye sight report
 - d) Interview (muqabalah syakhshiyah)
 - e) Discussion (munaqasyah)

2.2 Duolingo

An application is a subclass of computer software that utilizes the capabilities of a computer directly to perform a task the user wants (Wikipedia, 2012). Applications can also be said to be interpreters of commands that are run by language users to be forwarded by the language processed by the hardware. according to Marimin et al. (2011:43) Application is a program which direct could carry out the processes used in ba hasa by user. Application is gathering of certain files that contain program code linking Among user and device hard computer.

Application often also called as device software, is a language program that contains the instructions could changed with easy . Application on generally used for control device hard (which is often called as a device driver), perform the calculation process , and interact with more apps fundamental others (such as b language operation, and b language programming). by general application could shared into 3 levels that is application program level (application program such as Microsoft Office), b language operation (operating system such as Microsoft Windows), and level b language programming (eg PHP).

A number of application has merged Becomes something package application and often called as an application suite. Example are Microsoft Office and OpenOffice.org, which combine something application word processor, sheet work, as well a number of application other. Apps in something package usually own interface users who have similarity so that make it easy user for learn and use each application. Often times, they own ability for each other interact one each other so that profitable user. For example, a sheet work could immersed in something document word processor though made on application sheet separate work.

Application or device soft could classified Becomes a number of classes, including :

1. Device soft company (enterprise)
2. Device soft infrastructure company
3. Device soft information work
4. Device media software and entertainment
5. Device soft education
6. Device soft media development
7. Device soft manipulation product

Duolingo is a free online (internet) language learning platform, site and application. It is also used as a digital assessment exam for language proficiency. Duolingo is on a mission to make education fun, free and accessible to everyone. Duolingo is currently one of the best learning platforms for languages. Offers 94 different language courses in 30 languages for English and non-English speakers globally using English as the language of instruction [14]. It has more courses that use different basic languages, such as Catalan for Spanish speakers [9].

By far, it is the most popular online language learning platform [15]. It ranks as one of the most downloaded apps on Android and iOS. The app and website have more than 300 million registered users, and customers around the world. Duolingo is a simple platform with a visually appealing and intuitive user-friendly interface. Learning is laid out like a game with a visually appealing interface. To use Duolingo, all you need is:

- visit the Duolingo site or download the app,
- set profile,
- choose the language you want to learn,
- set specific weekly goals, and
- start studying.

Duolingo uses a combination of psychology (or psycholinguistics), machine learning, and innovative educational tools to deliver its courses. This provides the game in the form of a tree that must be completed slowly, and when completed, will earn a trophy with the flag of the language learned [16].

At Duolingo, each Course consists of modules (nodes) grouped together to form skills. Each module on the tree consists of several lessons called a skill tree. Lessons use listening exercises, flashcards, and multiple choice questions to introduce you to new words, phrases, and sentences. Each lesson represents a level that you complete by answering questions. The questions are carefully selected with various techniques for comprehensive learning. For example, there are free translation questions, sentence formation with the given words, listening transcription, picture matching, and speaking exercises [6].

In most questions, there is a series of comments where we find users discussing a particular question in more detail. In addition, Duolingo has a community feature where you can connect with other users who are learning the same language as us.

To serve properly, Duolingo determines the order in which different modules must be completed. We will activate the new module after completing the previous one [17]. This also applies to individual lessons in the module as we have to complete lesson 1 to advance to the next lesson.

Because the method used by Duolingo is learning while playing, this online learning application has several benefits [18]. Among them:

- Foreign language vocabulary can be increased
Every day, your vocabulary will increase by at least five to ten words. You can also show it by practicing directly with friends on the Duolingo forum.
- Increased foreign language skills
Slowly but surely, your foreign language proficiency level will increase. This is because every day your vocabulary increases. The intensity of learning also increases as your abilities move to the next level.
- You get opponents to practice by joining several language groups according to the one being studied

Duolingo has forum facilities or language groups according to your interest. There, you can share about the difficulties of learning a language and practice it directly with other members.

The disadvantages of Duolingo are:

- Its speech recognition software is difficult to use.
- Different languages have varying amounts of material.
- Some translations may be dubious.
- May not have control over the topic of the translation.

3. METHODOLOGY

The method used in this research is a survey method, which is a quantitative study using the same structured/systematic questions to many people, then all the answers obtained by the researcher are recorded, processed, and analyzed. Structured questions are usually called questionnaires. The questionnaire contains questions that will be asked of the respondents to measure the variables, the relationship between the existing variables, or it could be the experiences and opinions of the respondents [19]. To obtain the desired data, there are several steps taken by the author, namely:

- a. Create a questionnaire instrument as a tool to collect the desired data.
- b. Consulted with teaching staff at Cipulus Wanayasa Islamic Boarding School.
- c. Communicating with several students at the Cipulus Wanayasa Islamic Boarding School.
- d. Selecting fifteen students to be used as research samples.
- e. Give the Duolingo application to students to use, then they are given a questionnaire.
- f. Analyze the results of questionnaires that have been filled out by students.
- g. Summarizing the research results

4. RESULTS AND DISCUSSION

In this study the authors took fifteen students who had been appointed by the teacher at the Cipulus Wanayasa Islamic Boarding School. The reason for taking the fifteen students who were appointed by the teacher was to serve as a representation of all the students. Thus the fifteen students were used as informants and became representatives of all students at the Islamic Boarding School.

There are several constructions in the form of using the Duolingo application and quizzes used by the author to measure the effect of using the Duolingo application on the students' Arabic speaking ability. This is intended to calculate the results of filling out the quiz after students have tried using the Duolingo application for a while. Santri who are always accustomed to studying the Qur'an in Arabic, whether it's studying the structure of the Arabic language, studying classical books or others. However, in reality, not all students can speak Arabic in their daily lives. They understand the structure of Arabic, but have difficulty speaking Arabic. By conducting this research, the author intends to test the Duolingo application as an innovation of learning media to speak Arabic by giving survey quizzes to students. There are five questions given to the students to assess the effect of the Duolingo application on the students' Arabic speaking ability. For more details, see the following presentation.

1. Survey Questions and Results

Table 1. The results of the survey of students' answers

No	Question 1	Question 2	Question 3	Question 4	Question 5
1	Agree	Agree	Right	Like	Agree
2	Agree	Agree	Normal	Normal	Agree
3	Agree	Agree	Normal	Like	Normal
4	Agree	Normal	Right	Like	Agree
5	Normal	Normal	Right	Normal	Normal
6	Agree	Agree	Right	Like	Agree
7	Agree	Agree	Right	Like	Agree
8	Agree	Agree	Right	Like	Agree
9	Agree	Agree	Right	Like	Agree
10	Agree	Agree	Right	Like	Agree
11	Agree	Agree	Right	Like	Agree
12	Agree	Agree	Right	Like	Agree

13	Agree	Agree	Agree	Agree	Agree
14	Agree	Normal	Right	Like	Normal
15	Normal	Normal	Normal	Normal	Normal

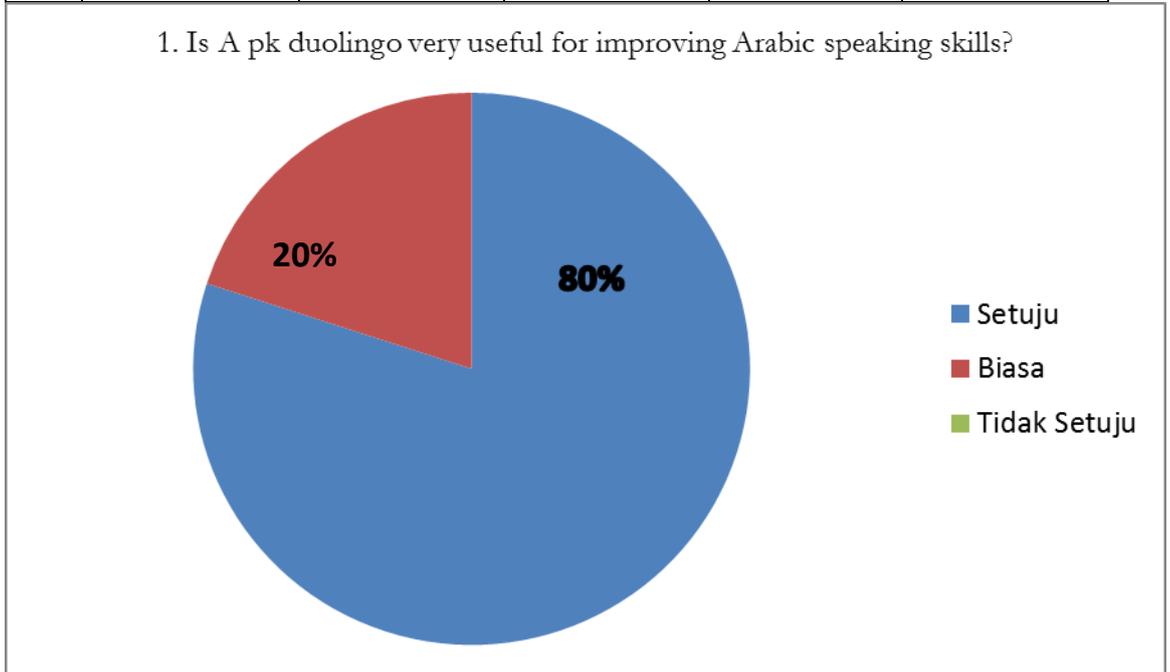


Figure 1. Results of the first question survey

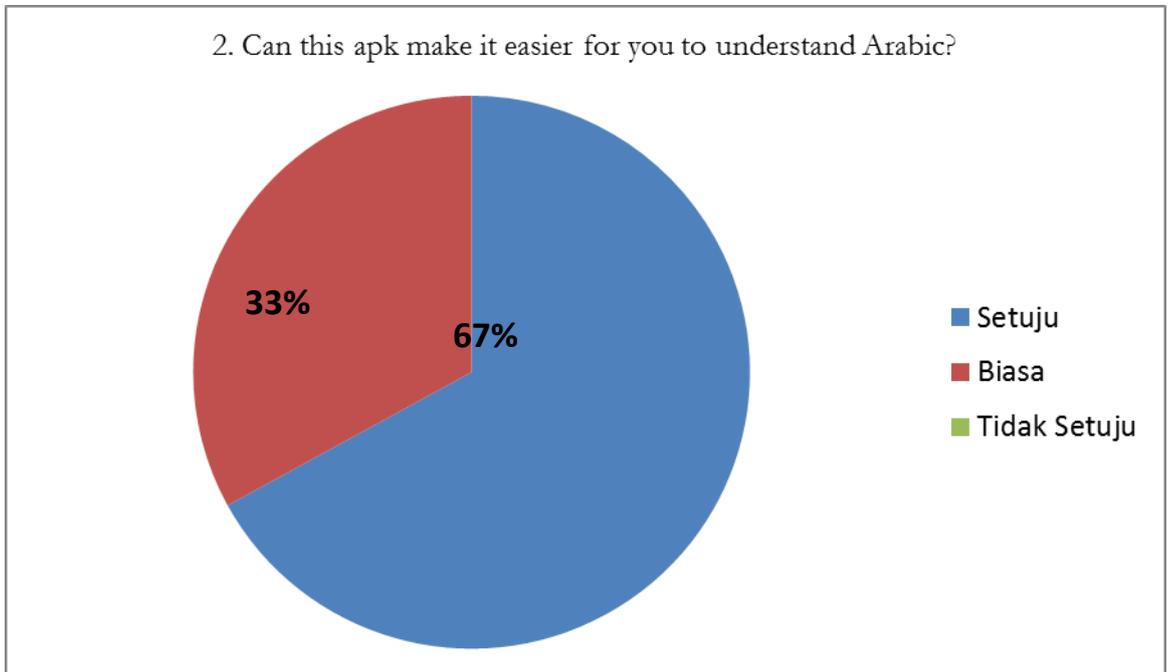
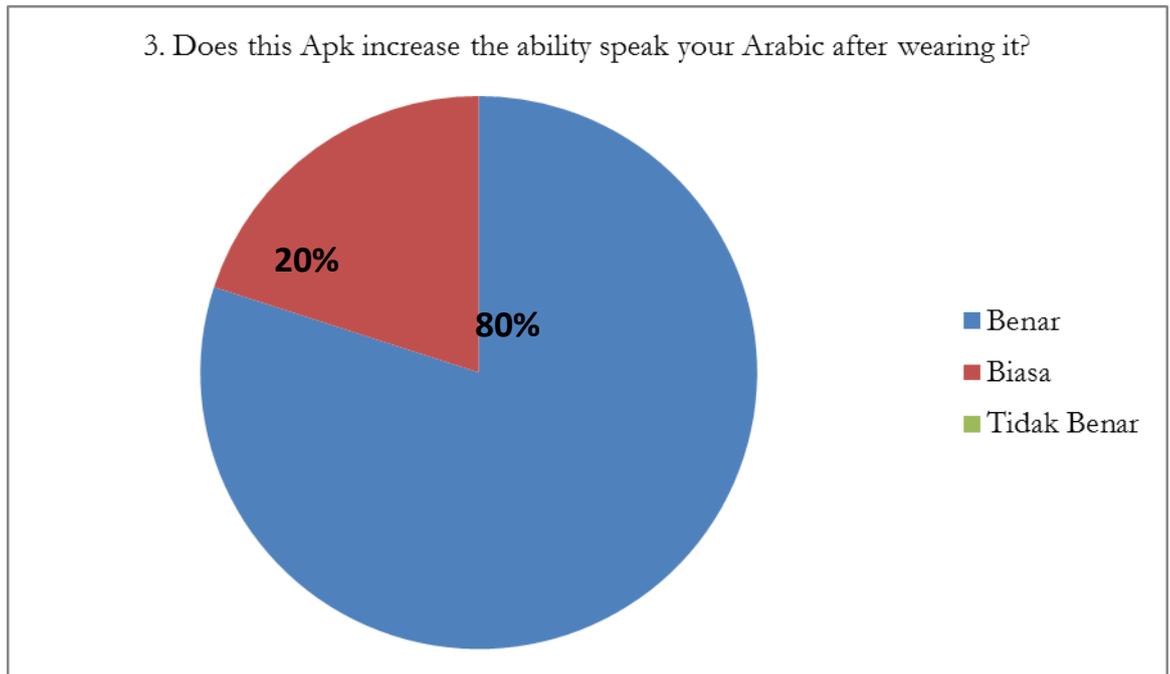
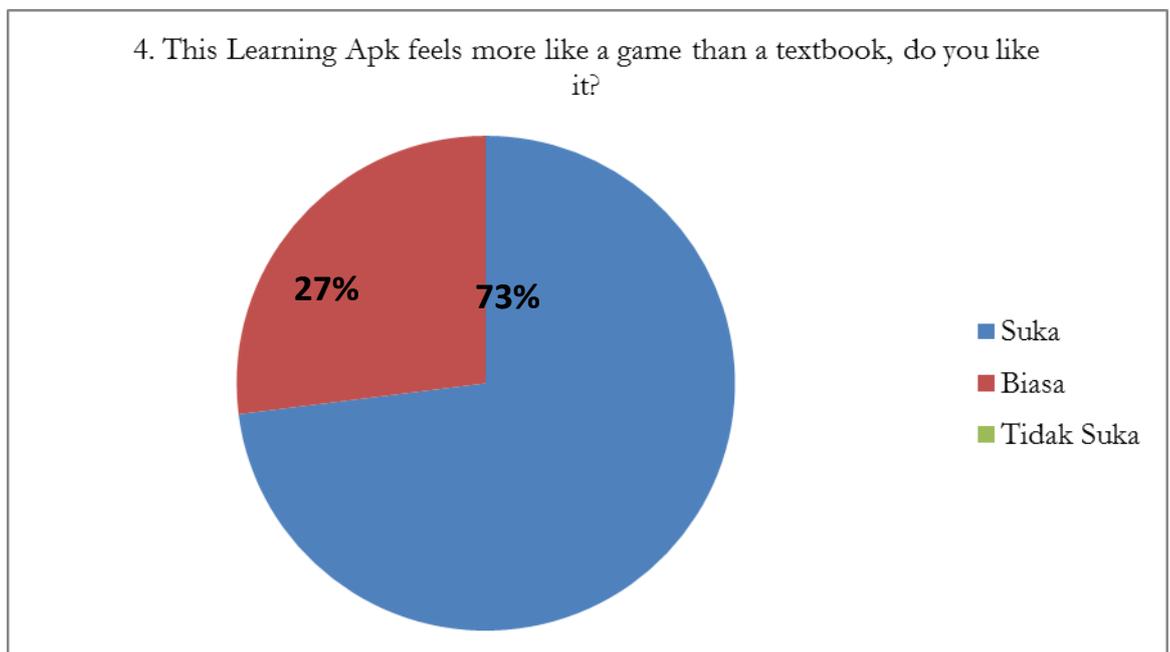


Figure 2. Results of the second question survey**Figure 3. Results of the third question survey****Figure 4. Results of the fourth question survey**

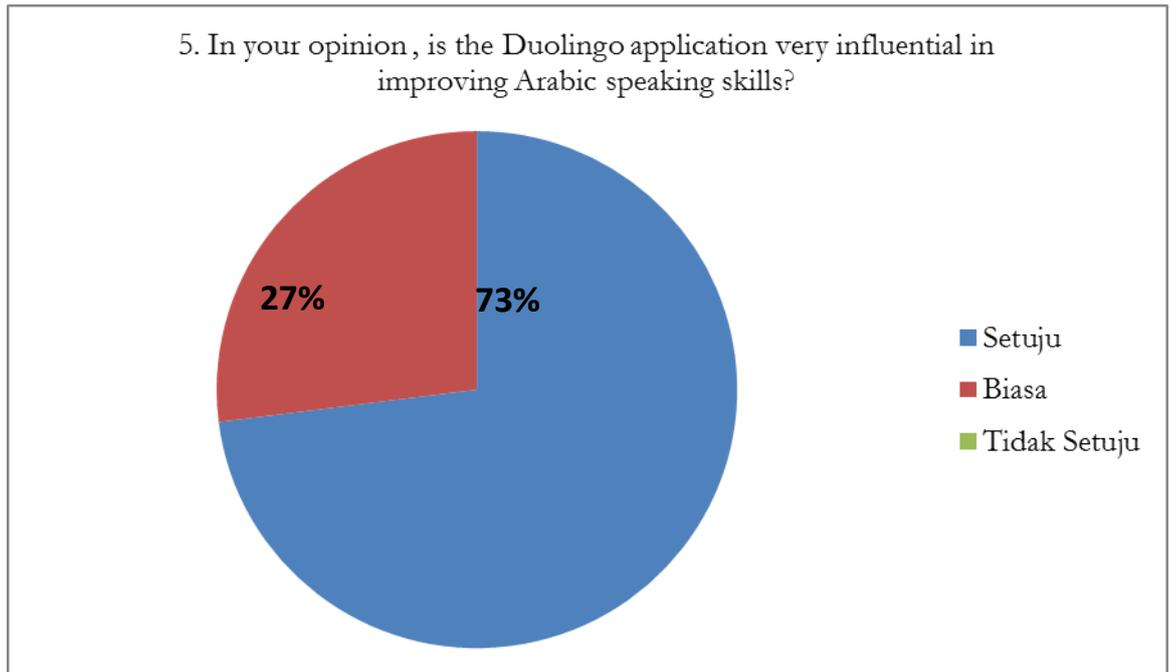


Figure 5. Results of the fifth question survey

2. Mean Number of Survey Results

In this study, the author focuses on the mean value of the quiz results conducted on fifteen students. The author calculates the mean value of the answers "agree" and "usual" from the five quiz questions. The formula used is as follows.

Mean Formula

$$m = \frac{\sum xi}{n}$$

- Mean Number of Answers "Agree"

$$m = \frac{\sum xi}{n}$$

$$m = \frac{80+80+67+73+73}{5}$$

$$m = 74,6\%$$

So the calculation of the mean number of answers "Agree" is 74.6%

- The Mean Number of "Ordinary" Answers

$$m = \frac{\sum xi}{n}$$

$$m = \frac{20+20+33+27+27}{5}$$

$$m = 25,4\%$$

So the calculation of the mean number of "Ordinary" answers is 25.4%

5. CONCLUSION

As for the conclusions of the research that has been presented, among others, the Duolingo application has an influence on improving Arabic speaking skills as evidenced by the results of this research survey. The results of the research survey stated that 74.6% of students agreed that the Duolingo application had an influence in improving Arabic speaking skills. The students gave this opinion because they had used the Duolingo application for a while, then they gave an assessment of the application. However, there are 25.4% who think that the application has no effect on improving the ability to speak Arabic. They think that way because the Duolingo application features a few languages that are translated into Indonesian.

Apart from the results of this research survey, the authors can conclude that the Duolingo application has an effect on improving Arabic speaking. Because the application provides an average of five new vocabularies in each learning module, by which we can increase vocabulary savings, especially Arabic. A person can be proficient in speaking Arabic because he has a large vocabulary. This application is highly recommended for someone who wants to learn Arabic on a self-taught, easy to use, many features and most importantly free to use.

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