TECHNOLOGY-BASED MEDIA USED IN TEACHING LISTENING SKILLS

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ABSTRACT

This paper shows the effectiveness of technology-based media designed for listening skills. The effectiveness of different technology-based media is gaining importance to students and teachers. They are the main subjects in this paper because the problem that arises at school where learning English as their second language addresses the decreased potential for the succession of learning. This study mentioned the difficulties in English as they struggle to reach success learning even there are other materials to use, like media belonging to not technology-based. That is why technology-based media was introduced to students and teachers. The researchers on different studies have taken by the chosen media recognized the ability to listen for the learning of students and the teaching of teachers in their language learning. Listening could increase the potential of learning English by hearing it through devices played by technology. The paper highlights five media for listening skills that are operating through technology. They involve mobile-based media, multimedia technology, radio news, podcast application, and mobile-based audiobooks. All of them result in the practical listening skills of teachers and primarily to students.

Keywords: *Media in ELT, Listening Skills, Technology-Based Media, Teaching English.*

INTRODUCTION

In our world today, technology has become a vital part of our life as it gives emphasis and clear understanding of how the world works today and how to cope up with the new and exciting society we have right now, especially in the school where most of the young and adult learners specifically students know more about

the use of technology. Therefore, technology is widely used for its integration into the educational system.

Technology is so powerful that many educational applications are discovered, like Google Classroom, discord, multimedia, etc. In our situation now we need it to study and even not face to face classes. Technology can provide reliable and easy access to information, especially when searching for information that is unfamiliar for us to understand easily. The creation of the internet gives anyone access to information. Besides, it allows students to get work done easier. Also, students can take quizzes and exams more efficiently, and teachers can hold online classes that can be very effective.

Today's students live in the digital age. Although we should be taking advantage of technology, technology can mean that learning is no longer confined to the conventional time and setting of the classroom. Improving the learning immersion is directly related to daily student needs and current life habits. Given that they utilize social media and the internet and play video games daily, students expect information to be presented similarly at school. Lesson content should be pictorial and entertaining, and it should fascinate their attention and encompass as little redundant message as possible, which is one of the significant shortcomings of the traditional approach to education. Giving students chances to work with each other and take on a new role, such as teachers, enables students to provide more one-on-one feedback (Maulina, 2015; Maulina, 2019; Maulina & Rusli, 2019; Zainal et al., 2022). Technology has made students a lot more productive than they were.

Teaching students using technology to learn, research, collaborate, and solve problems early will better prepare them for their careers. In addition, by learning to use technology at a young age, children develop the skills and knowledge crucial in today's world (Putra et al., 2021; Saputra et al., 2021; Rasyiid et al., 2021).

Media and technology are interrelated and help facilitate learning to be more relevant and reliable (Andriyani et al., 2022). There are numerous ways to teach listening skills, and it can be technology based wherein educators/teachers integrate

technology to deliver a specific topic. It is easy and comfortable to use since students nowadays are more aware of how technology works and help teachers accommodate students' diverse learning styles. Technology can serve as the source for improving the productivity and achievement of the students. Teachers and students are now equipped with technology as part of the teaching-learning approach, and technology-based media has contributed to the new learning approach and learning preferences, increasing access to information and ease of creation. The use of technology in teaching listening skills is advantageous as it helps to ease and lessen the teacher's time to review and execute the lesson and be prepared in a short period. Teaching listening skills using technology-based helps students connect on what they already know or have an idea with and better comprehend it.

Technology-based media make teaching and learning more accessible and easy, to begin with. Future teachers should integrate this technology-based since it creates collaboration and enhances the students' listening skills; it raises awareness about the technology, and students can learn a lot from it and be creative on their own. Furthermore, future researchers should consider this technology-based media, which proves helpful. The purpose of this technology-based is to allow educators, readers, and researchers to consider this and make a way to integrate this into the education system. Many arguments talk about the integration of technology since it removes or lessens the old traditional way of teaching, yet most of them believe that it connects them to one with a common goal.

Technology has an essential role in the process of teaching. We know that any advancement in technology directly or indirectly has been influential in teaching and learning methods. Listening is the process of interpreting and understanding what we hear. It is a conscious effort and requires focus to understand and digest the information thoroughly. Good listening skills allow us to perform better, for it is the key to effective communication. Good listening is the makers of ideas, and it involves the processing of incoming data. Jalongo (2012) states that it is essential to enhance and develop the learning process. This ability, along with other macro skills, enables attention to sound and construct meaning. The

significance of improving these skills engages better interpretation and processing of information and knowledge. Active listening enables the learners to think critically and promotes other aspects, including interpersonal relationships. Various techniques and multimedia provide great opportunities to enhance listening skills. In the classroom setting, technological tools become one of the most effective tools for teaching. The continuously increasing accessibility of technology engages the learners to expand their learning styles and develop their strategies.

Incorporating technology in teaching listening skills significantly impacts achieving a successful learning process. Various technological tools benefit from becoming a better listener. These tools prioritize improving learners' ability to comprehend and interpret what they hear deeply. Learners can use this multimedia to interact with others, learn at their best and understand their environment. Additionally, teachers can create more mindful and interactive discussions of their lessons. Using digital tools, they can quickly provide information and knowledge to their students most interestingly and enjoyably.

Moreover, it is not hard for everyone to adjust to using technology as we live in the modern era, and it is now part of our daily lives. However, active listening is possible if distractions can be minimized. These barriers include physical noise, auditory and visual distractions. Hence, this can be minimized by integrating appropriate techniques and strategies. For example, pay attention to what is heard and relocate to a quiet place.

Furthermore, the use of multimedia was effective in improving listening skills among students. Technology-based materials are more accessible for the teachers, promoting effective teaching and learning (Demir and Tavil, 2021; Maulina et al. 2019; Maulina et al. 2020; Maulina et al. 2021; Saputra et al., 2021; Rasyiid et al., 2021; Putra et al., 2021; Lar & Maulina, 2021). The effect of technology-based materials is proven to be more effective than textbook-based materials. The impact of technology-based materials promotes motivation and interest among students.

METHOD

This paper identified what has been researched on the subject topic to determine the extent to which the use of technology-based media in teaching and learning listening skills reveals any interpretable trends of the issue to aggregate findings of reviews of related works of literature.

RESULTS AND DISCUSSION

Podcast Application in Teaching Listening

There are numerous ways to use technology-based media in teaching listening skills because it makes the teaching easier and allows students to engage in an activity where they feel excited about the lesson that will be tackled. However, teaching listening skills is not that easy since it requires patience and good speaking and listening skills. In teaching listening skills, a teacher should be clear with the objective and focus on his/her purpose, and one of the technology-based media that can be used to teach listening skills is the use of podcast application since podcast has something to do with the sound. The study entitled "The effectiveness of podcast application in teaching listening" proves that it is helpful to integrate this technology-based since it helps students enhance their listening skills. The researchers conducted a study and survey questionnaire to know the students' response to the use of podcasts, and the result says that most of the students conclude that it is adequate to use.

Based on the study, the existing learning media requires development to be more accessible, used, and understood. Lots of audio media were made to provide flexible learning tools. The more books discussed, the easier it is a media called a podcast. Podcasts have become an application widely used today to get desired information. Teachers should have a new strategy in listening teaching to help their students be more active and master the learning process. So, the researcher tries to use podcasts to develop students' listening skills. Also, listening is essential to develop a robust and expressive response. Other listening is the process of receiving spoken or non-two verbal messages, building meaning from them, and responding to them.

Podcast Application is one of the well-known music applications, which the majority of the listeners use this app to feel relaxed. There are many examples of podcast applications that students use, and one of those is Spotify, which they use to listen to music. A podcast allows students to practice English more comfortably. Using podcast applications can be an effective medium to develop the students' listening skills. Teachers should engage students in listening to the podcast since it will help them prepare and practice their dictation since they listen to it. In addition, students can learn more about the English language, learning new phrases to incorporate into their vocabulary as they listen to the podcast.

The researchers conclude that using a podcast application is more effective and can improve students' listening skills. Besides, the students can learn independently both at school and at home, train students to be ready to learn, and actively participate in teaching and learning activities. Moreover, teachers can use this media to develop students' listening skills. Furthermore, the students can learn independently. If, in the future, podcast application is applied to other targets, then an analysis of students' characteristics and needs must be carried out so that the use of media can be optimized according to students' characteristics and target needs. Moreover, the teachers should give more practice to the students to improve their listening skills.

Radio News in the Teaching Listening

Technology brings much impact on our lives, specifically on education. As we live in this fast-changing world, various technology-based exist, and some are still waiting to discover. Incorporating technological tools in the classroom engage learners to be more motivated and interested in their learning. Teachers can produce, create and enhance their lessons using different digital tools. Lots of media are present to help develop and enhance macro skills. Listening skills are essential parts of macro skills that need to improve. According to Willis (2018), good communication skills go beyond listening. By focusing on what others are saying or what we hear around us, we can conclude the information or messages. Listening also requires effort to avoid misunderstandings.

According to West (2021), listening can be the hardest for students' language development. However, the key to dealing with these difficulties is appropriate listening materials. One of great selection is using tools they are already familiar with, which they use in their daily lives. It will engage them to be more comfortable, and the development will be easy.

There are lots of tools to use in today's classroom setting because technology plays an important role nowadays. These digital tools make the discussion fun, enjoyable and interactive. Various technological-based materials can be used in teaching; one is radio. Radio was first invented in late 1895 by Gugliemo Marconi; he called it "the wireless telegraph." It works through changing sounds or signals that travel to air, space, and solid objects to which the radio receiver changes back into sounds and music.

Before it became famous as an everyday household item, mainly the purpose of this invention was to use for communication and navigation for pilots, ships, law enforcement, and many more. Later on, it was used for transmitting information, news, and entertainment for it covers a considerable audience. Radio news is also incorporated in the classroom setting, for it is an effective audio aid device. It engages in improving listening skills among students. The process in which they focus on what they hear and interpret the message. This technology-based material contributes a significant improvement in students' learning. Not just listening skills but also speaking skills.

The article entitled "The students respond towards the use of English Radio News in the Teaching Listening" by Lulu (2021) focus on determining the following problems: The process of using English radio news in the online listening lesson and the student's responses towards the use of English radio news. Radio news media is commonly used for the online listening lesson. Besides, this particular media is suitable for distance learning. Transmit information and knowledge and cover a vast audience. Discussion of lessons is easily performed through this media. Furthermore, the radio is pervasive, for it is one of the oldest inventions.

The researchers in this article reveal the result of their study, the use of radio news is relevant to improving and developing students' listening skills. Students can gain information/messages and successfully analyze them. This process will boost their critical thinking and interpretation of information. Students respond as it provides them a great excellency to practice their pronunciation, improve their listening skills and communication skills. The researchers conclude that Radio news helps increase vocabulary, practice pronunciation, and improve listening skills among students. By listening, students' minds focus on each word, enabling them to be familiarized with the words/phrases and visualize what they hear. Additionally, this process will benefit and enhance also their communication skills. Many benefits for improving their communication skills are clearly stated, including improving focus and concentration and developing interpersonal relationships.

Mobile Based Media As the Solution in Teaching and Learning Listening Skills

This research article entitled Mobile-Based Media as the Solution in Teaching and Learning Listening Skills by Elfiona et al. (2019), discusses the appropriate technology-based media used to help teachers and students to resolve their difficulties in understanding and to learn listening skills in the teaching and learning process in the learning environment. Wherein it presented in this study that according to several senior high schools in Padang, both teachers and students have limited media and less opportunity to practice listening, which became problems and barriers for them to learn. Therefore, this research article explains the importance of mobile-based media in teaching listening skills which are the mobile phone and the mobile applications contained therein. This mobile phone and the mobile applications contained in it as technology-based media to be used in teaching listening skills is the key in teaching listening skills accurately and meaningfully in achieving the intended learning goals in enhancing both teacher's and students' listening skills.

The literature review in this article provides a critique of the relevant studies in that the related studies used in this research are well matched to the topic being discussed and analyzed. That resulted in the success of the research conducted because the review of related literature is relevant to the research study. The result presented in this research article has shown meaningful and successful learning outcomes in providing understanding to both teachers and students in resolving their listening difficulties which have provided positive results and practical help and learning experiences to teachers and students. This research article discussed that the use of mobile-based media, which is the mobile phones, brings growth and development to teaching and learning listening skills. This research article entitled Mobile-Based Media as the Solution in Teaching and Learning Listening Skill concluded that in teaching and learning listening skills in the learning environment, the mobile-based media to be used, which is the mobile phones and mobile applications contained in it provided an effective and successful contribution to make the learning of listening skills for both teachers and students productive, interactive, and fun. Also, this research study shown and proved that mobile phones are the solution to the listening difficulties faced by both teachers and students where it can not only be used to provide knowledge and wisdom to students and teachers to improve their listening skills but it will also give them a positive impact in practicing listening.

Learners' Attitudes toward the Effectiveness of Mobile Assisted Language Learning (MALL) in Listening Comprehension

In addition, listening skills gained importance in 1930 when audiobooks were introduced to schools in Iran as a helping media to listening skills. Listening is an effective way to robust speaking, reading, and writing skills. It developed early among other macro skills. On the other hand, reading books at that time was ineffective in increasing proficiency in the language, particularly in English. Since books have no guide on correctly pronouncing the words, students remain confused at the end of the lesson. With a rising demand for listening skills, mobile-based audiobooks enticed the achievement for an enormous improvement of the Iranian

students' English language. Mobile-based audiobooks, for instance, were referred to as talking books. This media can transfer words into speech. Instead of reading books and referring to students' interpretation of knowledge from what they read, this media also gives them a chance to go beyond their understanding and listen to their books.

On the other hand, According to Stephen Krashen, learning a language is acquired when people are involved in an environment where native speakers are the leaders of the language. Through listening, the awareness in the English language could be awakened and later on improved through constant practice. As a result, non-native speakers adapt to the said language by just hearing the language circulating in the environment. According to the study of Sorayyaie and Azar entitled, "The Effectiveness of Implementation of Mobile Assisted Language Learning (MALL) in L2 Listening Comprehension, the recognition of the audiobooks as media to listening skills was more effective than the usual media used such as books, audio cassettes, audio CDs, and DVD players. The lack of these was seen based on the practicality wherein the sizes are inconvenient in everyday use. Audio-CDs, and DVD players, for example, the comfortable experience while using them will be less to recognize because they need to use them every time. Unlike mobile, which is easy to use and convenient to carry everywhere.

Furthermore, people before, especially in the 21st-Century era, are irrevocable for having mobile phones in their everyday lives. Hence, as mentioned earlier, the study turns mobile into productive media in school. The study showed how mobile could be helpful as it was used for listening skills or mobile-based audiobooks. The Iranian students, non-native of the English language, could go beyond the limits of old media through audiobooks..

Are Listening Skills Best Enhanced Through the Use of Multimedia Technology?

In our generation now, more children grow up with different gadgets, and they explore with technology, that they have long been ready for the modernization of education. Technology is part of people's lives and is one of the vital elements for survival in a quick-phase world. With that in mind, the importance of technology

in education becomes more reliable. With the ongoing pandemic, we can see how important it is. Perhaps the most noticeable change occurred in the classroom of modern schools. The only gadgets available in the traditional classroom were the blackboard, chalk, and book, but now we can study through technology like Google Classroom, zoom, and other technological tools.

One of them is multimedia, which represents the information attractively using video, graphics, text, audio, and animation, for example, email, video conferencing, yahoo, and many more. It can be hardware or software media. Multimedia can able to motivates students to learn more, able students to develop higher-order thinking skills (HOTS). Besides, it provides easy access and fast delivery of tutorials, tests, and quizzes to users. With the help of multimedia, students can access information or learn at home without any personal instructor or teacher anytime with any technological tool. Using media engages students, motivates interest in the subject matter, and illustrates the relevance of many concepts. Multimedia content also helps to vary and enhance the learning process and leads to better knowledge. Besides, multimedia technology can provide more opportunities for students to engage with the content. According to the International Society for Technology in Education (ISTE). As advances in technology drive globalization and digital transformation, teachers can help students acquire the necessary skills to succeed in the future.

A multimedia is a good tool for communication. According to other journal article entitled, The Implementation of Interactive Multimedia Learning Materials in Teaching Listening Skills by Ampa (2015), multimedia provides attractive animation, music, video, and more of this represents stores and transmits all information digitally. Therefore, it can make it easier to attract people to listen to what someone is talking about. It also has let more interest in people listening and seeing when someone presents a product. Besides, multimedia is a computer-controlled combination of text, animation, graphics, audio, video, images, and other forms of media.

CONCLUSION

In today's new era, technology plays a significant role, especially in the field of education in the teaching and learning process in the learning environment, that gives real and meaningful help in achieving the intended learning goals by using the appropriate technology-based media in the teaching and learning process. This paper, entitled Technology-Based Media Used in Teaching Listening Skills: A Recent Literature Review, discussed the appropriate technology-based media that can make teachers' teaching effective and productive in teaching listening skills and lead the students to have productive growth and development in enhancing their listening skills. Every research study contained in this paper has emphasized the effective use of mobile devices and mobile applications as media used in teaching listening skills, which in turn has resulted in the efficient implementation of technology-based media in teaching listening skills that enabled both teachers and students to successfully and effectively have authentic learning experiences. The technology-based media used in this paper are Mobile-Based Media, Multimedia Technology, Podcast Applications, Radio News, and Mobile-Based Audiobooks, which discuss and demonstrate the teaching and learning of listening skills to provide solutions to learning problems experienced by both teachers and students in learning listening skills. In this paper, the listening difficulties experienced by both teachers and students in the teaching and learning process in studying listening skills are explained to provide the solution. Also, the requirement to use appropriate technology-based media in teaching listening skills concluded this paper shows promising results that those research articles used and contained in this paper give positive results and good impact to both teachers and students in improving their listening skills and resolving listening difficulties. This paper shows students and teachers as they become productive individuals who have gained knowledge in understanding and learning listening skills as they are exposed to accomplish tasks and learn discussions with the implementation of appropriate technology-based media in teaching listening skills. Using appropriate technology-based media in the teaching and learning process in teaching listening skills is an important thing that brings interactive learning experiences to students. Technology-based media used

in teaching listening skills assists students and teachers. In this paper, the studies contained and discussed provide support in effectively and successfully using mobile devices and mobile applications as technology-based media in teaching listening skills. Wherein technology-based media used and presented in the studies contained in this paper has many features to offer in making the teaching of listening skills creatively and interactive that will enable students to not get bored on the teaching of listening skills that lead them to understand, remember and learn the discussion of lessons in teaching listening skills. Through appropriate technology-based media that will be used in teaching listening skills, there will be an organized flow of learning discussion, which gives both teachers and students a practical learning experience that gives them benefits and opportunities to use to practice their listening skills productively.

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