

LITERATURE REVIEW ON THE USE OF AUDIO MEDIA IN IMPROVING THE QUALITY OF LEARNING

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Abstract: Learning media play an important role in improving the quality of the teaching and learning process because they help teachers deliver learning materials more clearly and effectively. One of the media that can be utilized in learning is audio media, which delivers information through sound elements. This study aims to analyze the use of audio media in improving the quality of learning through a literature review approach. The method used in this study is a literature study by examining various scientific sources such as journals, books, and previous research related to audio media in learning. The results of the review indicate that audio media have several advantages, including improving students' listening skills, increasing learning motivation, and providing flexibility because they can be accessed through various technological devices. In addition, audio media have relatively low production costs and are easy to distribute. However, audio media also have limitations because they rely only on the sense of hearing and are less effective for materials that require visual explanations. Therefore, the use of audio media should be adjusted to learning objectives and material characteristics to optimize the quality of learning.

Keywords: audio media, learning media, learning quality, literature review

INTRODUCTION

Learning media is a crucial element in education because it serves as a tool for conveying learning information from teachers to students. With learning media, the content presented can be clearer, more engaging, and easier for students to understand. The use of appropriate learning media can also support the creation of a more effective learning atmosphere while increasing student participation in the educational process. Supriyono (2020) stated that learning media plays a crucial role in improving the quality of learning because it helps teachers explain material in a more realistic way and captures students' attention during learning sessions.

Furthermore, learning media contributes to increasing student interest and motivation

in learning. The use of varied media can make learning activities more engaging, preventing students from quickly becoming bored. This is crucial because learning motivation is one of the elements that influences student learning success. Research by Wahyuningtyas and Sulasmono (2020) shows that the application of learning media in the teaching and learning process can significantly improve student learning outcomes because students more easily grasp and understand the material presented by the teacher.

Furthermore, developments in information and communication technology have significantly impacted the way learning media is used in the education sector. Technological advancements provide educators with the opportunity to utilize a variety of more innovative and interactive learning media. The integration of technology into education opens up opportunities for teachers to design more creative teaching methods that meet the needs of students in today's digital age. Wahyudi (2023) stated that the application of technology in learning can help improve the efficiency of the teaching and learning process because it allows for the delivery of learning materials in a more engaging and accessible manner.

Technological advancements have driven the emergence of various types of digital learning media, including interactive multimedia, instructional videos, and audio media. These types of media provide a more varied learning experience, enabling students to grasp the material more effectively. Haptanti, Hikmah, and Basuki (2024) stated that the application of technology in learning has the potential to improve the quality of education because technology allows the use of various types of media that can support more efficient and effective material delivery.

One type of media commonly used in the learning process is audio media. Audio media conveys information through sound, allowing students to learn through listening. This media can take the form of audio recordings, educational radio, audiobooks, or educational podcasts. Using audio media in learning can help students improve their listening skills and comprehend information conveyed verbally. Jauza and Albina (2024) emphasize that audio media is included in the category of effective learning media because it can help students understand content through listening.

A literature review on the application of audio media in education is crucial. This review can provide insight into the progress of previous research and help identify the advantages and disadvantages of using audio media in learning contexts. According to Titin et al. (2023), a literature review is a research approach used to examine and analyze various

existing research findings to gain a deeper understanding of a research topic.

Furthermore, literature reviews also facilitate researchers in discovering various teaching media innovations that can be utilized to improve the quality of learning. Research conducted by Kalang, Iswahyudi, and Romadhon (2024) shows that the application of technology-based learning media, such as audio and audiovisual media, can increase student motivation and participation in learning activities. Based on this information, a literature review on the use of audio media in education is crucial to understand how these media can be optimally utilized to improve the quality of learning in educational institutions.

DISCUSSION

A. Audio Media Description

Audio media is media that utilizes the sense of hearing in delivering learning. Audio media can present various forms of sound, voice, tone of voice, and intonation that can help convey learning information more clearly and structured. There are various types of audio media, including voice messages, music, radio, television, and so on. According to Rudy Bretz (1971) in Sadiman et al., 2018 in (Prawesti, Larasati Nur Indah., 2024), audio media is media that affects the sense of hearing and can manipulate the ability of sound to convey verbal and nonverbal messages.

In learning, audio media is often used to improve listening skills and help students understand the material more effectively. Research conducted by Afidah (2014) shows that developing audio learning media can be an effective media variation to overcome the limitations of media used by teachers in the classroom and can improve elementary school students' listening skills. The results of this study indicate that the use of audio media has a significant impact on improving students' ability to listen to short stories in Indonesian language subjects.

Furthermore, the use of audio media in learning has also been shown to improve student learning outcomes and activity during the learning process. Research conducted by Sulastri, Syamsiati, and Kresnadi (2014) showed that the use of audio media in Indonesian language learning can improve elementary school students' ability to listen to children's stories. The results of this study showed an increase in the average score of student learning outcomes from 54.3 in cycle I to 71.27 in cycle II after the use of audio

media in learning. This indicates that audio media can help students understand the material better and increase student learning activities in the classroom.

Furthermore, the development of digital technology has also encouraged the emergence of various forms of modern audio learning media, such as audiobooks and digital audio. Research conducted by Mahardika (2023) shows that the use of audiobooks in learning can significantly improve students' listening skills. Audiobooks allow students to listen to stories or learning materials in a more engaging and flexible manner, thereby enhancing their understanding of the content being studied.

Based on these studies, it can be concluded that audio media is an effective learning media innovation for improving the quality of learning. The use of audio media not only helps students understand the material through listening but also increases learning motivation, learning activities, and listening skills in the classroom.

B. Characteristics of Audio Media in Learning

1. Relying on Sound Elements as the Main Media

The primary characteristic of audio media is that it conveys information focused on sound or audio elements without accompanying visuals. The information conveyed can take the form of narration, dialogue, music, or sound effects, which help students understand the learning material through listening.

According to Ningsih (2023), audio media is a learning medium that conveys messages or material through sound, allowing students to acquire information through direct listening. Using this media can help improve students' listening skills during the learning process.

2. Train Students Listening Skills

Audio media has characteristics that can help improve students' listening skills. This is because students must focus on the sounds they hear to understand the content of the learning material.

Research conducted by Meiratna, Nurmasyitah, and Hasniyati (2024) shows that the use of audio media such as podcasts in learning can improve students' listening skills and help them understand the material presented better.

3. Can be played repeatedly

One of the characteristics of audio media is its flexibility, particularly since audio materials can be replayed as needed by students. This allows students to listen to learning materials repeatedly to better understand the content.

According to Mahardika (2023), digital audio media such as audiobooks allow students to repeat learning materials at any time, thereby helping to improve students' understanding of the material being studied.

4. Easy to Use and Flexible

Audio media is a relatively easy-to-use learning medium because it doesn't require complex equipment. It can be used on various devices, such as radios, speakers, computers, and smartphones.

According to Wahyudi (2023), the development of digital technology allows audio media to be accessed through various devices so that its use becomes more flexible in the learning process both in the classroom and independently.

5. Able to Improve Learning Concentration

Another characteristic of audio media is its ability to help improve student concentration. When students listen to learning materials, they tend to focus more on the information conveyed through audio.

According to Kalang, Iswahyudi, and Romadhon (2024), the use of audio-based learning media can increase student motivation and attention during the learning process because students are actively engaged in listening to the learning material.

6. Can be combined with other media

Audio media can also be used in conjunction with other learning media, such as visual or audiovisual media. This combination can help increase learning effectiveness because students can receive information through more than one sense.

According to Titin et al. (2023), the integrated use of various types of

learning media can help improve student understanding because the material is delivered through various forms of information presentation.

C. Advantages of Audio Media in Learning

1. Delivering Learning Messages More Effectively and Efficiently

Audio media can help convey learning messages more effectively and efficiently. Learning materials can be presented in detail through structured audio explanations, enabling students to understand the content more clearly. Delivering information through audio media allows teachers to systematically explain material according to learning needs.

2. Using Intonation and Emotional Expression

Audio media allows for the delivery of information accompanied by intonation, word stress, and emotional expression. This can help students grasp key parts of the material because emphasis can indicate what information is considered important. Furthermore, emotions conveyed through sound can help students become more emotionally involved in the learning process, making it easier for them to understand the material.

3. Relatively Cheap Production Costs

Another advantage of audio media is its relatively low production cost compared to other learning media, such as audiovisual media or interactive multimedia. The equipment used to create audio media is also simpler, making it easier to use in learning activities. According to Sidik and Hardoyo (2023), audio programming equipment is relatively inexpensive compared to other learning media, making it more economical to use in the educational process.

4. Production and Reproduction are Economical

Audio media offers economical production and reproduction processes because recorded material can be reused repeatedly without incurring significant additional costs. The same material can be replayed in various learning situations, making it more practical. This aligns with the opinion of Sidik and Hardoyo (2023),

who stated that audio media offers economical production and reproduction processes because the produced material can be reused consistently in learning delivery.

5. Easy to Distribute

Audio media is also easily distributed to students through various technological devices such as radios, computers, laptops, and smartphones. With the advancement of digital technology, audio media can be shared across various digital platforms, allowing students to access learning materials anytime, anywhere.

6. Consistent Learning Materials

Learning material recorded in audio media remains the same each time it's played, ensuring more consistent information delivery. This helps maintain the consistency of the material received by students.

7. Can be used repeatedly

Audio media allows students to re-listen to learning materials at their own pace. The ability to replay material helps students better understand the information and strengthens their memory.

D. Disadvantages of Audio Media in Learning

1. Limited to the Sense of Hearing

Audio media relies solely on the sense of hearing to convey learning information. This results in limited message delivery because students receive only verbal information without visual support to help clarify the material. This situation requires students to have a higher level of concentration to understand the information conveyed. According to Kemp and Dayton (1985) in Ali (2024), audio media is one-way and only involves one sense—hearing. This limits the delivery of learning messages, especially for material that requires visual support.

2. Vulnerable to Hearing Capacity Disorder

Using audio media that is not suited to students' hearing abilities can hinder the reception of learning information. Volume that is too loud or too soft can make it

difficult for students to understand the material being presented. Therefore, the use of audio media requires attention to sound quality and students' hearing abilities to ensure information is received effectively.

3. Inappropriate Intonation and Emotion Can Interfere with Understanding

In audio media, information delivery is often accompanied by vocal intonation and emotional expression. However, if the intonation and emotion used are inconsistent with the content of the learning material, this can actually interfere with students' reception of the message. This inconsistency can lead to misunderstandings of the information conveyed in the lesson.

4. Less effective for material that requires detailed explanation.

Audio media is less effective for conveying information that requires detailed or complex explanations. This is because students simply listen to the information without seeing visual explanations that can help them grasp the concepts more clearly. Therefore, for complex material, other media, such as visual or audiovisual media, are usually needed to make the learning process more effective.

5. Less Supportive of Deep Understanding

The use of audio media for learning materials that require high concentration and in-depth understanding is often considered ineffective. This is because students only receive information through hearing, making it difficult to fully grasp concepts without the aid of other media.

6. One-way communication

Audio media generally has a one-way communication nature, from the information provider to the listener. This limits interaction between teacher and students. As a result, students cannot directly respond or provide clarification to material presented through audio media.

E. Comparison of Audio Media with Other Learning Media

There are various types of learning media that can be used to support the teaching and learning process, including audio, visual, audiovisual, interactive multimedia, and print media. Each type of media has its own characteristics, advantages, and limitations in conveying learning information. Audio media conveys learning messages through sound elements such as narration, dialogue, music, or sound effects, allowing students to receive information through their sense of hearing. This contrasts with visual media, which convey information through images, graphs, diagrams, or text, utilizing the sense of sight in the information-receiving process. According to Arsyad (2021), visual media can help clarify learning concepts through illustrations or images, making it easier for students to understand abstract material.

Furthermore, audio media can be compared to audiovisual media, which combine sound and visual elements simultaneously to convey learning information. Audiovisual media, such as instructional videos or educational films, are considered more engaging because they engage both senses: hearing and sight. The combination of sound and visual elements allows students to understand learning materials more comprehensively. According to Smaldino, Lowther, and Mims (2020), the use of audiovisual media in learning can improve student comprehension because information is conveyed through various complementary forms of representation.

On the other hand, developments in educational technology have also given rise to interactive multimedia media that combine various elements such as text, images, audio, video, and animation within a single digital-based learning system. This media allows students to interact directly with learning materials, making the learning process more active and engaging. According to Mayer (2021), interactive multimedia can enhance conceptual understanding because students can receive information through various presentation formats simultaneously and interact directly with the learning materials.

Compared to printed media such as books, modules, or worksheets, audio media offers the advantage of conveying information with vocal intonation and emotional expression, allowing learning messages to be received more vividly. However, printed media offers the advantage of presenting material more systematically and allowing students to review it directly. According to Heinich, Molenda, Russell, and Smaldino (2020), printed media makes it easier for students to review learning materials because it is presented in written and structured form.

Based on this comparison, it can be concluded that each type of learning media has a different function and role in supporting the educational process. Audio media is more effective for conveying verbal information and developing students' listening skills, while visual and audiovisual media are more helpful in explaining concepts that require illustration or direct observation. Therefore, the selection of learning media must be tailored to the learning objectives, material characteristics, and student needs to ensure optimal learning.

F. The Role of Audio Media in Learning

Audio media plays a crucial role in supporting the learning process because it can help convey learning information more clearly and systematically through sound. Through the use of audio media, teachers can explain learning materials with structured narratives so that students can understand the content through listening. Furthermore, audio media can also help improve students' listening skills, as they must pay attention and comprehend information conveyed verbally. According to Arsyad (2021), audio media is an effective learning medium for conveying learning messages through sound, thus helping students understand the material through listening.

In addition to assisting in the delivery of learning information, audio media also plays a role in increasing student learning motivation. Delivering material through voice, accompanied by intonation, word stress, and emotional expression, can make the learning process more engaging and less monotonous. This can increase students' attention and interest in the material being presented. According to Smaldino, Lowther, and Mims (2020), the use of audio-based learning media can increase student engagement in the learning process because delivering information through voice can attract attention and help students understand learning messages more effectively.

Another role of audio media in learning is as a flexible and accessible learning tool. With the advancement of digital technology, audio media such as podcasts, learning recordings, and audiobooks can be accessed through various technological devices, including smartphones, computers, and online learning platforms. This allows students to study learning materials anytime and anywhere according to their needs. According to Wahyudi (2023), the development of digital technology has expanded the use of audio media in learning because it can be accessed flexibly through various modern technological devices.

Furthermore, audio media can also serve as a supporting medium in various learning methods, such as distance learning, independent learning, and technology-based learning. This media can help teachers deliver material in a more varied way and provide diverse learning experiences for students. Thus, the use of audio media can help increase the effectiveness of the learning process and support the optimal achievement of educational goals.

CONCLUSION

Furthermore, audio media can also serve as a supporting medium in various learning methods, such as distance learning, independent learning, and technology-based learning. This media can help teachers deliver material in a more varied way and provide diverse learning experiences for students. Thus, the use of audio media can help increase the effectiveness of the learning process and support the optimal achievement of educational goals.

Audio media is a type of learning media that is effective in the educational process because it conveys information through sound, helping to improve students' listening skills and facilitate understanding of material presented verbally. Furthermore, audio media has several characteristics that support the learning process, such as ease of use, flexibility, the ability to be played repeatedly, and the ability to increase student concentration and motivation. Audio media also has various advantages, including relatively low production costs, ease of distribution, and the ability to consistently use the material in various learning activities.

However, audio media also has several limitations, such as relying solely on the sense of hearing, one-way communication, and being less effective for learning materials that require visual explanations or complex concepts. Therefore, the use of audio media in learning should be tailored to the learning objectives, material characteristics, and student needs. Furthermore, audio media can be combined with other learning media, such as visual or audiovisual media, to make the learning process more effective and optimally improve the quality of learning.

REFERENCES

- Afidah, N. (2014). *Development of audio learning media to improve elementary school students' listening skills*. Journal of Basic Education, 5(2), 120–128.
- Ali, A. (2024). *Analysis of the use of audio learning media in improving students' understanding*. Journal of Education and Learning, 9(1), 45–53.
- Arsyad, A. (2021). *Learning Media*. Jakarta: PT RajaGrafindo Persada.
- Heinich, R., Molenda, M., Russell, J. D., & Smaldino, S. E. (2020). *Instructional media and technologies for learning*. Pearson Education.
- Haptanti, R., Hikmah, N., & Basuki, B. (2024). *Utilization of technology in developing digital learning media*. Journal of Educational Technology, 12(1), 55–63.
- Jauza, M., & Albina, R. (2024). *The use of audio media in improving students' listening skills*. Journal of Indonesian Language Education, 8(2), 90–99.
- Kalang, M. M. T., Iswahyudi, D., & Romadhon, R. (2024). *The use of technology-based learning media to increase students' learning motivation*. Citra Bakti Scientific Journal of Education, 11(2), 210–220.
- Mahardika, A. (2023). *The use of audiobooks as learning media to improve elementary school students' listening skills*. Journal of Elementary School Teacher Education, 11(3), 145–153.
- Mayer, R. E. (2021). *Multimedia Learning* (3rd ed.). Cambridge University Press.
- Meiratna, S., Nurmasiyah, N., & Hasniyati, H. (2024). *The use of podcast media on listening skills in Indonesian language learning*. Seroja: Journal of Education, 3(2), 88–96.
- Ningsih, S. W. (2023). *The use of audio-visual media in learning on students' motivation and learning outcomes*. Journal of Basic Education and Social Humanities, 2(9), 1187–1196.
- Partini, D., Syamsuri, S., Juita, D. R., Hasanah, T., Irawan, D., Darmawati, Fitria, U., Romadoni, J., Prastyandhari, I. G. A. I. M., & Lestari, N. C. (2023). *Learning Media*. Global Eksekutif Teknologi.
- Sidik, N. A., & Hardoyo, N. A. (2023). *Utilization of audio media in technology-based learning*. Journal of Educational Innovation, 6(1), 77–85.
- Smaldino, S. E., Lowther, D. L., & Mims, C. (2020). *Instructional Technology and Media for Learning* (12th ed.). Pearson Education.
- Supriyono, S. (2020). *The Importance of Learning Media in Improving the Quality of Learning in Schools*. Journal of Basic Education, 4(1), 15–21.
- Titin, S., Rahmawati, L., & Pratama, R. (2023). *Literature Review as a Research Method in the Field of Education*. Journal of Educational Technology, 8(1), 33–40.
- Wahyudi, A. (2023). *Development of Technology-Based Learning Media in Improving Learning Quality*. Karimah Tauhid: Journal of Islamic Education, 2(3), 150–158.
- Wahyuningtyas, R., & Sulasmono, B. (2020). *The Effect of Using Learning Media on Students' Learning Outcomes*. Journal of Basic Education, 6(1), 45–52.