Utilization of Power Point-Based Digital Technology in Improving Early Childhood Language Development

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ABSTRACT

This research aims to determine and improve the language development of early childhood. So, through this observation, researchers created PowerPoint as a use of digital technology to support learning activities with the hope that through this activity it can help teachers in delivering learning material and to improve children's language development. This research uses a literature study method with a qualitative research approach. Secondary data obtained online is then compiled, analyzed and then concluded. Learning is often centered only on the teacher and sometimes children find it difficult to concentrate while learning is taking place, this is what causes a lack of language development in children. So this research aims to find out and improve children's language development through PowerPoint as the use of digital technology to support learning.

1. INTRODUCTION

Modern times are increasingly rapid. Making the resulting technology even more sophisticated. This makes people use sophisticated technology to help complete daily work. The current development of technology for people's lives will have a better positive impact in today's era and also bring negative impacts (Irsyadillah et al. 2022). Current developments in digital technology such as the use of telephones, multimedia computers, the internet and other audio-visual means for learning, communication that takes place in the educational context are increasingly sophisticated. As a good educator, you should be able to take advantage of technological advances for your students' learning, not only following developments but also making good use of them so that technological developments do not go to waste (Hidayat et al. 2021). Usually young children are always interested in new things and technology is something new for children, therefore teachers must be able to use technology to attract students' interest in learning.

Early language development problems, however, can emerge and undermine a child's capacity for effective communication. These problems can range from speech disorders, which involve difficulty pronouncing certain sounds or forming words correctly, to language development delays, where a child experiences delays in reaching expected language development milestones at a certain age (Madyawati. 2016). This can be caused by internal and external factors, such as neurological or genetic disorders, a less stimulating home environment, or lack of social interaction. There are difficulties for children in developing language because the learning process is only centered on the teacher and students are found who are not concentrating during learning, resulting in a lack of student enthusiasm for the teacher during the learning process. Teachers only use media in the form of Student Worksheets and student books in the learning process and in the teaching and learning process which still uses conventional learning processes (lectures or through assignments). Most students are asked to listen so students become passive. The importance of teachers understanding classroom management is very necessary so that the learning process is more active and able to increase student learning activities. Then the use of media is still relatively low and the level of completeness in aspects of language development, especially in children's vocabulary, is in the sufficient category, they only understand learning barely and students' understanding is still lacking.

Teachers and parents have an important role in developing speaking from an early age. To improve the speaking skills of young children, you can play educational games or tell stories using digital. One way is by using the Microsoft Power Point application. Using the Microsoft Power Point application in the form of illustrated stories makes children interested in listening to and seeing stories and children also easily understand learning using Power Point (Luqman et al. 2021). In preparing Microsoft PowerPoint, it is done by looking at the child's age and needs for the media being developed, then the researcher collects supporting materials that suit the needs, namely looking for material such as text, video, images and animations that match the theme, learning time, and in accordance with the child's characteristics, then The material is packaged into pointers which are included in Microsoft PowerPoint which is used in the learning process.

2. METHODOLOGY

The research uses a descriptive qualitative approach. Qualitative research is research that is descriptive in nature and has a theoretical basis as a guide so that the research is in

accordance with the facts. Qualitative research tends to use an inductive approach to analysis, which is an approach based on specific information and facts. Based on relevant data collection and data analysis techniques, and the information provided is in accordance with the facts.

This research also uses a systematic literature review (SLR) of legal regulations and scientific works, most of which are taken from relevant scientific journals. The systematic literature review (SLR) method itself is research by searching for and analyzing data sourced from previous research results or relevant literature references, both offline and online. A similar point was conveyed by Melfianora (2019) who stated that the research literature study method involves collecting data from the library, reading, taking notes and managing appropriate research materials. The data obtained will be collected for re-analysis, and then conclusions.

According to Triandini et al (2019) there are several stages used to obtain information using a systematic literature review (SLR), including: (1) Research Question. In the form of research questions that are addressed based on the needs of the research topic by paying attention to the objectives and problem formulation. The following is an example of a prepared question: (a) Can PowerPoint be developed as a learning medium for early childhood?; (b) Is the development method using PowerPoint in accordance with the developmental achievements of early childhood?; (c) Can the goals of early childhood language development be achieved properly?; (2) Search Process. In the form of a search process to obtain information that is appropriate to the topic discussed by using several studies to return to analysis and conclusions. With the site address as primary data you can use Garuda data bases (http://garuda.ristekdikti.go.id/) and for secondary data Google search engine; (3) Inclusion and Exclusion Criteria. At this stage, the researcher will determine whether the information obtained from the search process is appropriate to the topic being discussed. And is it feasible as a systematic literature review (SLR) method; (4) Quality Assessment. In systematic literature review (SLR) research, the data obtained can be analyzed using several quality assessment criteria questions as follows: (a) D1 = Does the research have clear objectives?; (b) D2 = Is the information obtained using the systematic literature review (SLR) method appropriate?; (c) D3 = Has the researcher provided a clear description of the topic in the introduction?; (d) D4 = Is the explanation of research methods using the systematic literature review (SLR) method clear?; (e) D5 = Are the results of the research appropriate to the research topic?; and (f) D6 = Did the researcher provide conclusions with clear recommendations? With this, the systematic literature review (SLR) method will be easier to find information about research topics by using some information obtained from articles that are appropriate to the topic discussed in this research.

3. RESULTS AND DISCUSSION

Today's students are entering the era of modern technology with various facilities available and known to be very sophisticated since the 1980s. It is hoped that teachers in the 21st century will be able to innovate and be creative, because the learning system of the 80s is no longer accepted by today's students. Technological advances provide benefits to human work to make it more effective, efficient, easier and faster. The performance of teachers in the 21st century is different from teachers in the 20th century. Today's students or students have many differences so that learning is currently experiencing a shift, one of which is that students are no longer in accordance with the 20th century education system. Changes in learning from the 1980s and current learning have occurred and teachers are not consistent with each other in learning activities. The teacher's emotional role is very important to develop the human side

of a student, as well as controlling the impulsive character symptoms that exist in students in the digital era (Mardianto. 2019).

Based on the results of data observations that have been carried out, the author realizes that the impact that occurs due to the current digital era can provide quite big challenges for education. Education is required to be able to produce superior and excellent human resources capable of following rapid technological developments. It turns out that this not only has an impact on the learning of elementary or middle school students, but also has an impact on the learning of early childhood. The learning carried out must immediately integrate and utilize technology in its implementation.

3.1. The Role of Digital Technology Development

Regarding technological progress, in this case it is more focused on the increasing number of individuals who use technology, which of course has positive and negative impacts. The benefits of using increasingly sophisticated technology include: (1) As a medium for disseminating information and communication. Up to date information is very easy to spread via social networking sites. In just a few minutes after the incident, we were able to enjoy this information. This makes it easy for each individual to communicate without intermediaries from other people and have privacy. In fact, making this horizon very easy to reach just with technology and networks; (2) As a means to develop skills, creativity and social skills. Sharpening technical and social skills is a need that must be met in order to survive and be in a competitive balance in today's modern era. This is very important, there is no age limit, everyone needs to develop. Like the many content creators who have a lot of interest that is easy to hone; (3) Expand your network of friends. By using social networks, we can communicate with anyone, even people we don't know from all over the world. We can use this advantage to broaden our knowledge, exchange ideas, get to know each other's culture and regional characteristics, etc. This can also hone a person's language skills.

3.2. The Role of Powerpoint in Children's Language Development

In this case, the increasingly rapid development of technology in the era which is often called the modern era, the industrial era 5.0, means that everything needs to use technology, especially education. Education requires an educator to gain knowledge that will be distributed to students. It's the same with educators and early childhood. Early childhood children who can be seen and observed are starting to become familiar with technology such as using gadgets to watch via broadcast applications such as YouTube or Tiktok (Saudale & Astawan. 2022). Writing, speaking, is a kind of language that employs articulation or words used to talk, which is the most successful way of communication, its usage is the most comprehensive and the most significant (Setyawan. 2016). Communication is the most important thing in interacting with other individuals so that it allows vocabulary to increase in a meaningful way. Children's vocabulary will increase if there is encouragement or stimulation from adults.

Power Point is a digital software technology that is easy for educators to use to create learning media in early childhood education programs that is tailored to the characteristics of the material and learning methods. One example of a learning method that is suitable for using PowerPoint as a learning medium in early childhood education programs is the storytelling method (Kurniawati. 2014). For young children, telling stories is a much awaited and enjoyable activity. There are so many benefits of telling stories for children's development, including: (a) Develop children's imagination; (b) Improve language skills; (c) Arouse children's interest in reading; and (d) Building children's emotional intelligence. Among these things, there are many

things that can be used using PowerPoint, such as creating educational games, as a medium for delivering learning material, etc. This makes PowerPoint an alternative for educators to carry out interesting learning activities for young children.

4. CONCLUSION

Language is essentially the regular expression of human thoughts and feelings, which uses sound as a tool (Ministry of National Education. 2005). Meanwhile, according to Harun et al. (2009) language is a structure and meaning that is independent of the user, as a sign that concludes a goal. Development can be defined as a progressive series of orderly and coherent changes (Hurlock. 1978). Meanwhile, according to (Ministry of National Education. 2005) Development is a process of change where children learn to recognize, use and master higher levels of various aspects. According to Elizabeth B. Hurlock (1978) early childhood language development is carried out in a systematic way and develops together with increasing age. From these definitions it can be concluded that early childhood language development is a change in early childhood language skills in learning to master new things at a higher level.

According to Elpira (2015, p. 95) "Learning media is anything that can be used to convey the content of teaching material from learning sources to learning that can stimulate thoughts, feelings, attention and interest in learning in such a way that the learning process (outside and inside) in the classroom) to be more effective". According to Daryanto (2010) Media Power Point is a software created and developed by the Microsoft company, and is a multimedia-based program. This program is specifically designed to deliver presentations with various menu features that can make it an interesting communication medium. Based on the understanding above, it can be concluded that PowerPoint media is a medium for conveying material content with slide displays that are more attractive and easy to digest.

Based on the results of the research conducted, researchers can conclude that PowerPoint-based digital technology has an influence on early childhood language development. Providing stimulation to early childhood in the era of industrial technology 5.0 using digital PowerPoint software technology makes educators more creative, innovative and makes work more effective and efficient and keeps up with the times.

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