

SERIES IMAGES AS A STIMULATION OF LANGUAGE ABILITY FOR LEFT BRAIN DEVELOPMENT IN EARLY CHILDREN

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Abstract

It is important to provide proper stimulation and support for left brain development at every stage of development. Media picture series can be an effective means to stimulate the development of the left brain. Left brain development is critical for language processing, logical reasoning, and analytical thinking. Media picture series can play an important role in stimulating the development of the left brain. Through mastery of language, reading and writing skills, mathematical abilities, logical reasoning, and critical thinking, visual media can optimally support the development of the left brain. It is important to provide engaging and educational visual media and create opportunities for children to interact and discuss content to strengthen their left brain development. It is important to provide a variety of interesting and varied images and interact and discuss with children about these images to strengthen understanding and development of the right brain. To improve speaking ability is to use serial pictures. Picture series is a series of pictures arranged sequentially to tell a story or concept. This study aims to explore the use of serial images in improving speaking skills. The method used is an experiment involving a group of participants who have varying levels of speaking ability. The results of the study show that the use of serial images can be effective in improving speaking skills. Participants involved in the experiment showed a significant increase in their ability to express ideas and speak fluently after using picture series as a tool. In addition, the use of picture series can also increase the creativity and imagination of participants. By looking at the pictures arranged sequentially, participants can develop a story or concept in a better and more structured way. This research makes an important contribution in the field of education and communication. The use of serial pictures can be an effective alternative in improving speaking skills, especially for those who have difficulty expressing ideas verbally..

INTRODUCTION

Early childhood education is a form of education that aims to help the growth and development of children. So the education provided should be appropriate and in accordance with the uniqueness of each child.

Efforts made to facilitate children's growth and development are through early childhood education. Early childhood education is an effort to help early childhood to grow and develop optimally according to their level of development. With optimal development of the right brain, a person can have the ability to think creatively, solve problems, and manage emotions well. The development of the left brain is the process of growth and development of the left brain that occurs from birth to adulthood. The left brain plays an important role in controlling functions such as language processing, logical reasoning and analytical thinking.

Development of the left brain begins in the womb and continues throughout childhood and adolescence. During infancy, the left brain experiences rapid development in terms of language acquisition and the formation of neural connections related to language processing. During childhood, the left brain continues to develop in terms of language skills, reading, writing, and math skills. Children who are exposed to a language-rich environment and are given opportunities to engage in activities that encourage language development will have better left-brain development. During adolescence, the left brain experiences further development in terms of higher order thinking skills, problem solving abilities, and critical thinking. Teenagers also experience an increase in their ability to process complex information and make logical connections.

The development of the left brain can be influenced by various factors, including genetics, environment, and educational experience. These factors can influence the structural and functional development of the left brain. It is important to provide proper stimulation and support for left brain development at every stage of development. Serial picture media can be an effective means of stimulating the development of the left brain. Here are some ways visual media can contribute to left-brain development: 1. Language acquisition, 2. Reading and writing skills, 3. Mathematical ability, 4. Logical reasoning, 5. Critical thinking.

Playgroup is an educational institution that has an important role in various aspects of development. Rahmawati (2017) explained that the storytelling method is a learning activity given to children with stories and then the children repeat the story using their own language. The children's storytelling method will increase the knowledge and experience of the stories conveyed to children orally. Storytelling is a very interesting and fun activity for children. Therefore storytelling is very good to be applied to early childhood. Stories can please children as enthusiasts. Children can laugh out loud when they hear funny things from the stories the teacher brings. In addition, there are also suggestions that are able to develop moral and social emotional intelligence. Through stories, good behavior will be formed without hurting children or even scolding children. Children are a treasure as well as a trial for their parents. The Word of Allah in the Qur'an Surah Al Anfal verse 28 (2005: 180) "And know that your wealth and your children are only a trial and indeed with Allah there is a great reward." The explanation of the verse becomes a place for children to learn to practice one's patience, knowledge, as well as one's faith. Children who are raised full of love, care and kindness will grow into mature, kind, capable and independent individuals. The success of children's learning, the potential that children have will develop properly and benefit their environment when parents and their environment are the responsibility of parents.

Children's language skills are influenced by the quality of the language used by those closest to the child. In the Play Group the teacher becomes someone who is able to influence language development in early childhood. In this case the teacher can provide stimulation through media, good methods of approach in learning language development for early childhood, which have an impact on children's speaking abilities. In early childhood, language development, especially speaking, is an important aspect of child development. So early childhood can speak the language that is known everyday in the home environment and at school. In the 2004 Competency-Based Curriculum (KBK) it is explained that early childhood needs to be trained to speak using simple sentences with the aim of developing Play Group language, namely so that children are able to convey ideas through simple language appropriately, be able to communicate verbally and non-verbally effectively and arouse children's interest in being able to speak Indonesian.

One strategy that can be developed is through the use of story or serial image media. This is intended so that children can explain the contents of the story in accordance with their imagination so that in the end students can retell the contents of the story, express observations in coherent language, so that it is meaningful. Dawson explained that a picture or a series of pictures is a powerful medium for provoking, encouraging or motivating a child to speak. Understanding of a picture or series of pictures can be different from one child to another. With the help of media images can produce better information capture on the part of the listener.

Basically, children use the language they hear and listen to, which will be repeated by children. This will help the teacher to improve children's speaking skills through a learning strategy that is carried out. Speaking is an ability and ability cannot be developed if it is not continuously trained. Therefore, the ability to speak in children cannot be mastered properly if it is not trained. If you are always trained, speaking skills can get better. On the other hand, if you are shy, doubtful, or afraid of being wrong in practicing speaking, surely your child's speaking ability will not be in accordance with mastery. Speaking skills are easier to develop if children are given the opportunity to communicate something naturally to others. During learning activities in KB, Teachers are expected to be able to create various experiences that allow children to develop their speaking skills.

Based on the results of observations in the Aisiyiah Karanganyar Play Group, that language development, especially speaking skills, has not developed optimally and still needs improvement. This is evidenced by the fact that most children have not been able to express ideas using simple sentences. Of the 12 children in the class, only 4 children could express ideas using simple sentences. 8 children not fluent in conveying ideas and the child's voice when speaking is still slow. When the child is asked to tell about the picture, the child can only say 1-2 words and the expression that is shown looks like he lacks the courage to express his opinion or is embarrassed to ask. In addition to these problems the use of learning media is also not optimal, so that it affects children's interest in participating in the learning process.

Furthermore, according to Suni, et al ., based on the results of their research, namely, by using the storytelling method through the media of serial images, it can increase. By using the storytelling method, children are able to retell the contents of the story that has been told by the teacher, and children can also sort the storyline of the story that has been read. Based on the explanation above, by telling stories using the picture series method , it is able to attract messages to children, making it easier for children to be able to express ideas and ideas, through telling stories using the picture series method, children are able to retell the contents of the story and can re-order the storyline conveyed by the teacher when learning process takes place .

Factors Affecting Speaking Skills Early childhood has different skills due to the stimulation received, living environment, health, gender and many more. Whereas Hurlock (in Susanto, 2017), describes learning to speak in early childhood as follows: 1. Pronunciation of words, children have difficulty learning to pronounce certain sounds and combinations of sounds. 2. Adding vocabulary, the child's vocabulary increases when learning new words and new meanings for old words. 3. Form a sentence, sentences usually consist of three or four words, this begins to be compiled by children at the age of two or three years. Many of these sentences are incomplete, especially from nouns and verbs, prepositions and conjunctions, and after three years children are able to form sentences consisting of six to eight words.

Media Picture series, Madyawati (2017) explained that a picture series is a series of pictures arranged sequentially so as to form a coherent story. The images are arranged from wide, elongated paper containing several images that are interconnected with one another. So that the story becomes a series of stories that children can understand. According to Sari et al (14) , serial picture stories are a series of pictures that are separated from one another but have a unified plot of story sequence. According to Safangati 15 serial images are a type of visual media or which have image elements that function to understand and remember the information or messages contained in the image. Series picture media will provide context for understanding the text and help children who are weak in reading to organize information in the text and be able to recall it.

Serial image requirements: (1) There is a story title, for example a story. " Lila Rabbit" (2) The story is short and filled with the values of life, socialization and the environment for children (3) Pictures are made on cardboard with sizes adjusted to the needs of as many as needed, a maximum of 8 pictures. (4) Pictures can 1 image without a supporting atmosphere and can be equipped with a supporting atmosphere for the image. (5) Using a child's language style so that it is easy to understand. (6) Pictures use attractive colors so that children have good imaginations.

(7) The contents of the story are written at the bottom so as not to disturb the child's view of the pictures.

Implementation steps To improve children's speaking skills using serial picture media, appropriate steps are needed according to the conditions and characteristics of early childhood. The steps for telling stories based on picture series (Depdikbud, 1998: 49), are as follows; (a) Prepare props that will used. (b) Regulating and conditioning the environment comfortable. (c) The child pays attention to the four pictures posted by the teacher on the blackboard. (d) The child pays attention to the explanation of the title of the picture series. (e) The teacher replaces the pictures on the board write. (f) Children and teachers work together to connect pictures one by one and looking for interrelationships Images. (g) Children convey content story. (h) The teacher invites the children to sort the four serial pictures.

METHOD

The approach used in this study is quantitative descriptive, namely to determine the percentage of speaking ability achieved by group children.

This research is successful if there is a change for the better. that data is interpreted into 4 levels, namely:

1. Good criteria (Very Well Developed/BSB), that is, if the score obtained by the child is between 80% - 100%.
2. Adequate criteria (Developing According to Expectations/BSH), that is, if the value obtained by the child is between 60% - 79%.
3. The criteria are not good (Beginning to Develop/MB), that is, if the value obtained by the child is between 30%-59%.
4. Criteria is not good (Not Developed/BB), that is, if the value is obtained by children between 0% -29%

In research, teachers can try certain media, for example using picture media, radio, television, using innovative methods that are able to arouse interest in learning. With this media the teacher will get more meaningful feedback and can be used to improve his performance. This research is intended to improve speaking skills in pronouncing simple sentences with good language and Correct.

The subjects of this study were the children of the Aisyiyah Playgroup, Karanganyar Regency, which consisted of 12 children, 5 boys and 7 girls. Data Collection Techniques (1) Observation, is an observation technique by observing the target by using observation sheets that have been prepared (Pardjono, et al., 2007: 43). Observations were made using an observation sheet filled with check marks list. (2) Documentation, is an archive events that have passed, can be in the form of writing, pictures, or the works of someone (Sugiyono, 2016: 329). In this study, documentation was carried out by taking photos of children during learning activities using serial picture media. Photos are used to record the activities carried out.

RESULTS

The initial activity carried out by the researcher before conducting the research was to find out the child's speaking ability by the way the teacher told the story without using serial picture media. From the results of the initial observations made, it can be seen that the ability to speak in KB children. Prior to the research, it was found that most children were not able to respond and express their opinions (courage to speak), were not fluent in expressing opinions (fluency in speaking), and were not able to retell stories that had been told. conveyed by the teacher (retelling using sentences simple).

Based on the children's speaking ability before the study, it can be described that the score achieved by the children's speaking ability KB , that is, achieving 25 % by calculating the score achieved is divided by the total score and multiplied ($3:12 \times 100\% = 25\%$). Results From this achievement it can be seen that the child's initial ability to speak is not optimal. The results of the percentage achievement of children's speaking ability have just reached the Beginning to Develop

(MB) category with low activity criteria. On this basis, the ability to speak in KB children needs to be improved through the media of serial pictures.

In study This, effort increase ability speak on Playgroup children Aisyiyah uses media picture series, indicated by an increase in ability indicators such as the courage to speak, namely the ability to respond and win thoughts. Fluency in speaking, namely fluency in conveying opinion. The ability to retell in sequence according to the contents of the picture about an incident. research that carried out to improve the speaking ability of playgroup children Aisyiyah Mutiara Hati, consisting of research for three meetings. From each of the studies conducted, it showed an increase in the speaking ability of playgroup children Aisyiyah. Improvements achieved, ie the ability to speak before the study was achieved were 3 children who developed very well (BSB) the criteria for high activity reached 25 % and the ability to speak during and after the study was 6 children who developed very well (BSB) criteria of high activity (50%). Speaking ability after the study there were 10 children who developed very well (91.66 %). The improvement achieved confirms that serial picture media can improve the speaking ability of playgroup children Aisyiyah Mutiara Hati Karanganyar.

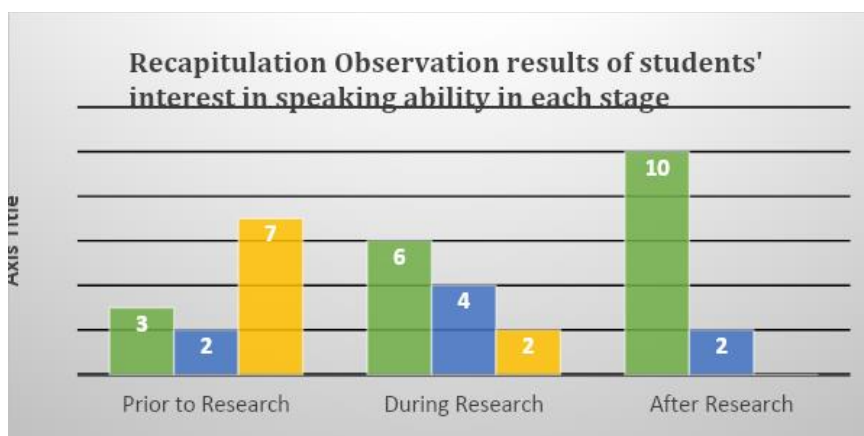
T a b e l 1

R e k a p i t u l a s i v a r i a b e l _ i n t e r e s t i n l e a r n i n g b e f o r e , d u r i n g a n d a f t e r r e s e a r c h _

No	Child Name	Before	Interest to learn		
			During	After	Information
1	Adnan	R	S	Q	T = Height S = Moderate R = Low
2	Aidil	R	R	S	
3	Nasya	R	R	S	
4	Anisa	Q	Q	Q	
5	Nisha	Q	Q	Q	
6	Miss	R	R	Q	
7	risk	R	R	Q	
8	Balqis	Q	Q	Q	
9	Dira	S	Q	Q	
10	Dista	S	Q	Q	
11	Sofia	R	Q	Q	
12	Soffie	R	S	Q	
High Activeness		3	6	10	
Moderate Activeness		2	2	2	
Low Activity		6	3	0	

Diagram 1

R e k a p i t u l a s i v a r i a b e l _ i n t e r e s t i n l e a r n i n g b e f o r e , d u r i n g a n d a f t e r r e s e a r c h _



The ability to recognize words and sentences needs to be done according to the needs of early childhood, namely with interesting and fun learning media concepts for children. The media used is media pictures, which have benefits, one of which is, increasing children's attention. In addition to the teacher preparing a daily implementation program plan (RPPH), the teacher also pays attention to the steps for implementing storytelling using picture series, which are as follows: a. Adjust the child's sitting position that makes him comfortable; b. Prepare the pictures that we will use in telling the story; c. Focus the child's attention by singing or playing clapping as an introduction to the story; d. Create an atmosphere that can make them feel curious; e. Post pictures on the whiteboard or storyboard; f. Provide additional explanation of the image if needed; g. Give the child the opportunity to give the title; h. Begin the teacher tells the real story to the child; i. After finishing telling the story, the child is given the opportunity to retell and draw conclusions; j. We begin to complete the conclusion of the story from the child.

In an effort to optimize the role of serial picture media in learning, teachers must pay attention to the models and strategies used in early childhood learning. that the requirements for making serial picture media, namely: (1) proportional picture sizes can be seen by all children down to the details (2) the relationship between one picture and the next is clearly visible, (3) each picture can arouse children's curiosity to know it goes, matter This can seen on picture furthermore, (4) the contents of each picture shows a clear scene, (5) pictures should not use additional pictures that can obscure the meaning and content of the pictures, and (6) pictures should be colored attractively and in accordance with the original to bring the picture to life .

The requirements made above, as carried out in this study, were ultimately able to improve children's speaking abilities at the Very Well Developed (BSB) stage. The steps that can be taken in this study include: (1) the teacher when telling the story changes position by sitting in front of the child, so that the story in the serial picture can be clearly received by the child, (2) the teacher divides into four groups, each - each group is divided into three children, (3) the teacher places media pictures on the children's study table for the children to observe and understand, so that children can repeat the story according to the contents of the picture, and (3) serial pictures are made in dismembered shapes and arranged according to the number of story sequences, so that children can sort serial pictures based on order incident.

The sequence of activities that will be carried out in this study, namely in the use of picture series media What needs to be considered are: (1) The orientation is more on the relationship between the story and each picture. For example telling a story using 4 pictures, including: (a) First picture tells the situation of the characters in the story are in action at the beginning of a story, (b) The second figure tell situation figure in story currently react on process content story, (c) FIGURE third tells figure in story going to to end story, and (d) Figure four tells the situation of the characters in the end of the story. By showing pictures, the story is read slowly with clear articulation . (2) The story is repeated by involving the children and reviewing the meaning of each picture. (3) The pictures are made rather large, so that all children can see the pictures with

interesting coloring . (4) The position of the book (picture) is parallel to the child's line of sight (if the shape is arranged and if the child's sitting position is layered the position of the picture can be higher).

CONCLUSION

Based on the results of the research and discussion conducted, it can be concluded that the ability to speak in playgroup children Aisyiyah can be improved through the media of serial images. The indicators in this study include: courage to speak, namely the ability to respond and express thoughts. Fluency in speaking is fluency in expressing opinions. The ability to retell in sequence according to the contents of the pictures about mosaic activities with orange peels, making milk and picture series about nina rabbits. Learning steps carried out in an effort to improve speaking skills in playgroup children Aisyiyah , including: (1) improving children's speaking ability by means of children listening to the teacher's stories in an equal position with the teacher's view, so that the stories in serial pictures can be clearly accepted by children, (2) improving children's speaking fluency by optimizing children's concentration by listening to stories conveyed by the teacher by dividing into four groups, each group consisting of three children, (3) increasing children's ability to retell the contents of the story through the media of pictures cut into pieces and sorted according to the sequence of events and placed on the table, so that it is easier observed and understood by child.

Improving children's speaking skills in Playgroup Aisyiyah , indicated by the achievement of scores before the study 3 children who developed very well with the criteria of high activity (25 %) and at the time of the study reached 6 children who developed very well with the criteria for high activity (50%). Improvement in speaking ability from before the study and after the study experienced an increase in speaking ability increased from 6 children to 10 children.

Teachers can use serial picture media, as a learning medium in improving speaking skills in playgroup children Aisyiyah . The way that needs to be done, namely in conveying the serial pictures must be parallel to the children, optimizing the children's concentration by dividing the number of children into four groups, and the serial pictures are cut into pieces and arranged according to the story sequence number and placed on each group table.

Serial picture media in the learning process can be used as a medium to improve children's speaking skills while at the same time improving the quality of education in playgroups Aisyiyah , then the Play Group Aisyiyah provides serial picture media with more varied themes, such as the themes of animals, the environment, recreation, yourself, work and yourself.

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