



#### Research Article

# Impact of YouTube-based Learning on Early Childhood Education

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#### Abstract.

The development of spiritual intelligence in five to six year old children warrants effective stimulation. Various tools are used in kindergartens for this purpose, yet there remains a scope for improvement. Consequently, this study advocates the use of Youtube as a medium for enhancing spiritual intelligence in children. Preliminary observations at the Asvivah Bustanul Atfhal Dolago Kindergarten indicate a lack in spiritual understanding among children, from recognizing divinity in creation to showing respect to others as an expression of gratitude to God, and a basic understanding of hijaiyyah letters. Therefore, parents and teachers are encouraged to utilize Youtube to stimulate spiritual intelligence in these children, especially amidst the Covid-19 circumstances. This research employs an experimental design, conducted in three stages: preparatory, implementation, and final stages. The techniques for data collection include the use of observation sheets, with descriptive and inferential data analysis. The evaluation factors include understanding the pillars of faith and Islam, recognition of hijaiyyah letters, and knowing the two sentences of shahada. The findings suggest that the use of Youtube Audio Visual media successfully boosts spiritual intelligence in children aged five to six, as indicated by improved post-treatment observation results.

Keywords: spiritual intelligence, Youtube, early childhood

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# 1. INTRODUCTION

The preamble of the Constitution of the Republic of Indonesia (1945) declares that one of the objectives of the country is to educate the life of the people. The government is responsible for organizing education in such a way that the basic right of every citizen to a quality education service is fulfilled. According to [1], early childhood education is a place where children of the golden age can create a basic foundation. According to [2], early childhood education is gradual growth and development. The world of education, which is closely related to knowledge and skills, makes information technology an important source of information. As information technology has developed, it has acquired a wider dimension, which, according to [3], includes many media such as telephone, television, radio, video, voice information systems, personal computers

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and the Internet, including social media. With modern development, social media and information technology have penetrated into various areas of life, both general and special areas, such as spirituality. Now you can see the level of your spirituality, the presence of technology. Human spirituality is the tendency of people to go towards the divine qualities of Asmaul Husna. He is happy or affected when his spiritual place is affected. This proves that a person's mental intelligence is very important. Therefore, spiritual development is intended as a way to respond to human spirituality. In this case, information technology offers opportunities to promote the improvement of students' mental intelligence. Among them are technology-produced videos or images related to religious studies that are neatly packaged on social media or social networks, specifically the social media YouTube. Spiritual development is intended as a way to respond to one's spirituality. In this case, information technology offers opportunities to promote the improvement of students' mental intelligence. Among them are technology-produced videos or images related to religious studies that are neatly packaged on social media or social networks, specifically the social media YouTube. spiritual development is intended as a way to respond to one's spirituality. In this case, information technology offers opportunities to promote the improvement of students' mental intelligence. Among them are technology-produced videos or images related to religious studies that are neatly packaged on social media or social networks, specifically the social media YouTube.

Youtube social media affects each user differently. Therefore, students need the guidance of parents and teachers as pedagogues. In particular, the values taught by teachers and parents today differ from the values taught by teachers and parents in the past. Therefore, it is necessary to implement effective methods for students to adopt so that changes such as the development of information technology can have a good effect on students. Religion-based teaching, which seems monotonous in the Da'wah method, is greatly transformed by information technology today, because it can help teachers explain the presented material in such a way that the material reaches the students, creating a different impression and more easily, to understand Observing the field, the researcher observed the use of information technology by teachers in religious education, it seems to be more effective and can also create a favorable classroom atmosphere, because with the use of information technology, students pay attention, and teachers also know how, handle the material in an appropriate manner. Well, it is hoped that this will increase the spirituality of the students. Research Finding It is expected



to increase the spirituality of students. The research result [4] stated, "YouTube media selection is one of the appropriate tools to implement the teaching and learning. The advantage of the teacher in using YouTube media is that YouTube is a good learning resource, a source of motivational tools that can involve students and modern learning styles, a free learning resource, considering the educational budget, online teaching and learning through the YouTube process. is simply more practical, pasting the video URL into the YouTube site of your choice.

Based on initial observations and school teacher interviews conducted with 5-6 year old children in Group B Kindergarten Aisyiyah Bustanul Athfal Dolago Parigi Moutong Regency, there were still dominant children whose mental intelligence was still low or not properly developed. For example, there were still many children who do not understand the belief in the existence of God through His creation, there are still many children who do not know the pillars of faith, do not know the pillars of Islam, there are still many children who do not yet know the two sentences of the creed, and in general children do not understand the introduction of hijaiyah letters, especially the covid 19 pandemic has not opened a place for children to learn the Koran, moreover, learning is not enough. in school about introducing hijaiyah letters to children at school. Several factors contribute to solving this problem, such as innovative learning models, different learning methods and activities, learning media or learning games with favorable facilities and infrastructure. Due to some of these factors, they are interested in the application of educational media, in this case the social media YouTube, which is expected to overcome the problems of children's mental intelligence at a low level. Spiritual intelligence is the intelligence to face and solve meaningful and valuable problems, namely the intelligence to place behavior in the context of the broader and richer meaning of our lives, the intelligence to decide whether our actions or lifestyles are better [5]. Additionally, the benefits of mental intelligence are good for growth and development. Spiritual intelligence includes the power of intuition and self-awareness. Spirituality teaches children that there is a force that creates and controls everything on earth. This power can be shaped by the relationship between humans and god [6].

From the above description, it is clear that the mental intelligence of children still needs to be improved, a solution to this problem needs to be found. One of them is the use of social media YouTube. Therefore, researchers are interested in conducting a study with an experiment titled "Effectiveness of YouTube social media in increasing the mental intelligence of 5-6 year old children in Group B Kindergarten.



## 2. METHODOLOGY

The research method used is quantitative descriptive research. This research is included in quantitative research because it emphasizes the analysis of numerical data (numbers) that are processed with statistics/statistics. The type of research used is experimental research (Experimental research). The design used in this study is the research design of Sugiyono in [7]. Sugiyono's design is in accordance with the research subject. The formula for this research design is as follows:

**O1 X O2** 

Information:

O1 = Initial observation before using social media Youtube

X = Treatment (Youtube social media)

O2 = Final observation after using social media Youtube

This data analysis technique is divided into two analyses, namely descriptive analysis and inferential analysis. After the data is collected, then the data will be processed using percentage techniques, then the processed results will be analyzed descriptively.

Meanwhile, to analyze the data using percentage calculations (%). The analysis formula from [8] is as follows:

 $P=x 100\% \frac{f}{n}$ 

Information:

P = Percentage achieved

f = Number of answers from each alternative answer

N= Number of children

The analysis technique used is descriptive analysis which is used to measure the development of spiritual intelligence through an assessment rubric. If it has developed beyond teacher expectations, it is given the (Very Well Developed) category. If you have achieved development according to expectations, then you are given the (Developing According to Expectations) category. Meanwhile, children who are still in the process of developing, are given the category (Beginning to Develop) and children who are not yet able to meet the expectations of the teacher, are given (Not Yet Developed).

TABLE 1: Distribution of Frequency and Percentage.

BSB	Very Well Developed
BSH	Growing As Expected
МВ	Start Growing
ВВ	Undeveloped

The hypothesis tested in this study was the effect of Youtube social media on the spiritual intelligence of children aged 5-6 years in Group B PAUD Kindergarten Aisyiyah Bustanul Athfal Dolago Parigi Moutong Regency after applying the demonstration method using paired sample t-test to find out whether there is a difference between the independent variables and bound before and after being given treatment. This hypothesis testing was carried out using inferential statistical analysis (t-test) or (t-test) using the SPSS 16.0 for Windows program. The formula in the application is used to test whether the hypothesis proposed by the researcher, namely "the influence of social media Youtube on the spiritual intelligence of children aged 5-6 years in Group B PAUD kindergarten Aisyiyah Bustanul Athfal Dolago Parigi Moutong Regency" is accepted or rejected.

### 3. RESULTS AND DISCUSSION

In this section, the results of research conducted by researchers in Group B of Aisyiyah Bustanul Athfal Dolago Kindergarten, Parigi Moutong Regency, will be presented. The results of observations that have been carried out by researchers show that Aisyiyah Bustanul Athfal Dolago Kindergarten, Parigi Moutong Regency, carries out lessons every Monday to Friday, activities on Saturday are filled with religious activities such as children are taught to know the pillars of faith, pillars of Islam, recognize letters Hijaiyah, and recognize the two sentences of the Creed.

The following are the results of observations on YouTube social media on increasing children's spiritual intelligence before and after being given treatment, presented in tabular form, including a summary of all data as described as in Table 2.

Treatment of children according to knowledge of religious pillars There are 2 children (8.7%) in the category developing very well, 4 children (17.39%), 8 children (34.78) in the category developing according to expectations. %) in the Developmental category and there are 9 children (39.13%) in the Undeveloped category. According to knowledge of the pillars of Islam, there were 3 children in the development category (13.04%), in the

Category	Observed Aspects								
	Know the Pillars of Faith		Know the Pillars of Islam		Recognizing Hijaiyah Letters		Get to know the Two Sentences of Creed		
	F	%	F	%	F	%	F	%	
BSB	2	8,7	3	13.04	4	17,39	2	8,7	11.95
BSH	4	17,39	4	17,39	4	17,39	2	8,7	15,21
МВ	8	34.78	7	30,43	7	30,43	9	39,13	33,7
вв	9	39,13	9	39,13	8	34.78	10	43,47	39,12
Amount	23	100	23	100	23	100	23	100	100

TABLE 2: Recapitulation of Observation Results Before Given Treatment.

development category there were 4 children (17.39%), according to expectations, there were 7 children (30.43%). There were 9 children (39.13%) in the Early Development category and the Undeveloped category. According to knowledge of Hijaiyah letters, there were 4 children in the category of very well developing people (17.39%), 4 children in the category of developing as expected (17.39%) and 7 children in the category of beginning to develop (30.43%). ). , there were 8 children (34.78%) in the Not developed category. When it comes to knowing two sentences of the creed, there are 2 children According to the results of the pretreatment observations, the percentage of Very well developed category was 11.95%, the percentage of the category developing according to expectations was 15.21%, and the category of Beginning and Undeveloped was 37.77%.

TABLE 3: Recapitulation of Observation Results After Being Given Treatment.

Category	Observed Aspects									Average %
	Know the Pillars of Faith			Know the Pillars of Islam		0 0		Get to know the Two Sentences of Creed		
	F	%		F	%	F	%	F	%	
BSB	7	30,43		8	34.78	9	39,13	8	34.78	34,8
BSH	8	34.78		8	34.78	7	30,43	6	26.08	31.51
МВ	6	26.08		6	26.08	7	30,43	7	30,43	28,25
ВВ	2	8,7		1	4,34	0	0	2	8,7	5,43
Amount	23	100		23	100	23	100	23	100	100

Based on Table 3, out of 23 children who were the subject of the study after treatment, 7 children (30.43%), 8 children (34.78) were in the very well developed category in terms of knowledge about religious pillars. . %) There were 6 children (26.08%) in the category



Developing as expected, 6 children (26.08%) in the category Beginning to develop, and 2 children (8.7%) in the category Undeveloped. According to knowledge of the pillars of Islam, there were 8 children with very good development (34.78%), 8 children (34.78%), 6 children (26.08%) in the category of development as expected. there was 1 child (4.34%) in the "Starting to develop" category and "Not developing" category. Regarding the knowledge of Hijaiyah letters, there were 9 children in the Very good development category (39.13%), 7 children in the expected development category (30.43%) and 7 children in the initial development category (30.43%). class, and there were no children (0%) Undeveloped class.

Based on the post-treatment observations, the proportion of the Very well developing category was 34.8%, the percentage of the category developing according to expectations was 31.51%, the percentage of the Early Development category was 28.25% and the proportion of the Undeveloped category. was 5.43%.

## 3.1. Inferential Analysis

Before entering the T-Test, first enter the Nomality Test, which is carried out to find out whether or not a data distribution is normal, which later becomes important to know because it relates to the right statistical test to use.

**Paired Samples Test** Sig. (2 Paired Differences df tailed) std. std. Error 95% Confidence Means Deviation Means Interval of the Difference Lower Upper Before Treatment - After -3.86957 1.74002 .36282 -10,665 22 .000 -4.62201 3.11712 Treatment

TABLE 4: Research Results Before Treatment and After Treatment.

Table 4 above, it can be seen that t count is negative, which is equal to 10.665 T count is negative, this is because the average value before treatment is lower than the average after treatment. However, a negative t count value can be positive. So that the calculated t value becomes 10.665. Furthermore, the stage of searching for r tables and t table values found in the distribution of t table statistical values is 1.713.

Thus, because the value of t count is 10.665 > t table is 1.713, as the basis for making the decision above it can be concluded that H0 is rejected and H1 is accepted. So it



can be concluded that there is a difference in the average learning outcomes before treatment and after treatment, which means that there is influence of YouTube social media on increasing the spiritual intelligence of children aged 5-6 years in group B TK Aisyiyah Bustanul Athfal Dolago, Parigi Moutong Regency.

#### 3.2. Discussion

# 3.2.1. Improving Children's Spiritual Intelligence in Aspects of Knowing the Pillars of Faith

Faith is one of the most important things that must be associated with every Muslim, it is not enough for a person to be a Muslim, but he is also not associated with religion. The belief in question is belief in the existence of Allah SWT, angels, messengers, books, the Last Day, and good and bad fate. Friendly in heart, words and deeds.

According to [9]"man comes from the Arabic word Amana yu'minu-imanan, which means to believe or to believe. The Indonesian language to believe means to believe or to believe that something (believing in) is true. or true. Faith can be interpreted as ictraf, justification, confession, justification that is specific. The next [9] also explained that "Faith is faith (which likes religion), faith and belief in Allah, prophets, books and so on". According to [10] states that "faith does not only contain an external dimension (verbal promise) but must be accompanied by faith and justification in the heart (internal) as a form of religious honesty.

Honesty means the compatibility of religions. Inside and outside people [11], "according to faith, it is "to justify with the heart, say it with the mouth, and fulfill it with the limbs". In other words, faith means believing in Allah SWT, the angels of Allah SWT, the books of Allah SWT, the messengers of Allah, the Last Day, and the qodo and qodarnya of Allah SWT, both good and bad. According to Mujieb [12], the linguistic belief comes from the word Amana yuminu fahua mu'minun, which means "to trust". If by term it means belief in Allah SWT, His angels, His books, His messengers, the day of resurrection and good and bad qada - qadar (orders) are all from Allah. According to [13] "pillars are the fundamental beliefs of a Muslim as a Muslim"

As for the results that can be seen at the time of observation of the 23 children who were the subject of the study after treatment there were 7 children (30.43%) in the Very Well Developed category children can be said to be in the BSB category when their development shows that children can mention 1 to 6 pillars of faith, children





Figure 1: Six Pillars of Iman.

can understand the meaning of pillars of faith 1 to 6. There are 8 children (34.78%) in the Developing According to Expectations category of children can be said to be BSH when their development shows that children can mention 1 to 4 pillars of faith, children can understand the meaning of pillars of faith 1 to 4. There are 6 children (26.08%) the category of starting to develop children can be said to be starting to develop when their development shows that children can mention 1 to 3 pillars of faith, children can understand the meaning of pillars of faith 1 to 3. There are 2 children (8,7%) in the Undeveloped category, children are said to be Undeveloped when they cannot mention the pillars of faith, the child does not understand the pillars of faith.

# 3.3. Improving Children's Spiritual Intelligence in Aspects of Knowing the Pillars of Islam

The Islamic religion is based on three levels namely Islam, faith and ihsan. Each level has pillars that build it. According to Muhammad Abduh [14] mentions that the word Islam

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Figure 2: Children Watching Animation Film from Youtube.

comes from Arabic, Yang is a form of masdar. اسلم -- يسلم -- اسالما work etymologically means "prosperous, not disabled, safe". According to [15] "Faith is an internal order of belief".

The following [14] stated that "Islam as a religion cannot be separated from the presence of its basic elements, namely in the form of the pillars of Islam, namely: 1) Recitation of two sentences of faith 2) Establishing five daily prayers 3) Payment of zakat 4) Ramadan fasting 5 ) to the Hajj Baitullah if possible. According to Trenawat, "The Pillars of Islam are the main points of Islamic teachings for Muslims and become the general guidelines for Muslims in worshiping Allah". Down [16] "The Pillars of Islam are the five fundamentals of the Islamic religion, which are considered mandatory pillars or foundations for believers as the basis of Islamic life."

According to [17], "Islam has five pillars that characterize Muslims, called the Pillars of Islam." According to [18] "The five pillars of Islam, which begin with the faith, are related to the heart, beliefs or beliefs, while the other four pillars are related to external things in the form of worship in submission to Allah. shows, that the pillars of Islam themselves reflect a close relationship between faith and worship". According to [19] "pillars of Islam, namely the five pillars that unite Muslims as a community". According to [20] "The pillars



of Islam are five things, namely saying the two sentences of Shahada, five daily prayers, giving zakat, fasting during Ramadan and performing Hajj in Baitullah".



Figure 3: Five Pillars of Islam.

As for the results that can be seen at the time of observation of the 23 children who were the subject of the study after treatment there were 8 children (34.78%) in the Very Well Developed category children can be said to be BSB when their development shows that children can mention 1 to 5 pillars of Islam, children can understand the meaning pillars of Islam 1 to 5. There are 8 children (34.78%) in the Developing category according to expectations children can be said to be BSH when their development shows that children can mention 1 to 4 pillars of Islam, children can understand the meaning of pillars of Islam 1 to 4. There are 6 children (26.08%) the category of Starting to Develop children can be said to be Starting to Develop when their development shows that children can mention 1 to 2 pillars of Islam, children can understand the meaning of pillars of Islam 1 to 3. and there is 1 child (4,34%) in the Undeveloped category, children are said to be (BB) when they cannot mention the pillars of Islam, the child does not yet understand the pillars of Islam.

# 3.4. Improving Children's Spiritual Intelligence in Aspects of Recognizing Hijaiyah Letters

Muslims around the world have used hijaiyah, or Arabic letters, to read the Qur'an since ancient times. Learning the letters of Hijaiyah is the first step in reading the Holy Book



of the Qur'an. According to [21] "Hijaiyah letters or in other words Arabic letters are letters that have existed for a long time and are used by Muslims everywhere as a way to read the Qur'an". According to [3] "Al-Quran uses written Arabic which uses Hijaiyah letters". According to [22] "Hijaiyah stars are a series of stars with a total of 29 stars of different shapes".

Later [23] "Hijaiyah letters are a set of Arabic letters with a total of 29 letters". According to [24] "Hijaiyah letters are the letters used as a basis for learning to read the Qur'an". According to [25], "understanding hijaiyah letters plays a very important role in Islamic religious education because it is the basis for reading the Qur'an and understanding other religious texts". In addition, Sirojuddin [26] stated that "the letters hijaiyah are the Arabic alphabet called the letters al hijaiyah and the letters al tahajji mean the spelling of the letters". According to [27] "Hijaiyyah letters are letters that form words in the Qur'an".



Figure 4: Hijaiyah Letters.

The results that can be seen at the time of observation of the 23 children who were the subject of the study after treatment were 9 children (39.13%) in the Very Well Developed category, children can be said to be BSB when children can say hijaiyah letters without being guided by the teacher, children can write hijaiyah letters, children can show hijaiyah letters in front of their friends. There are 7 children (30.43%) in the Developing According to Expectations category. Children can say BSH. When the child can say hijaiyah letters without being guided by the teacher, the child can write hijaiyah letters at least 5 letters, there are 7 children (30.43%) in the Starting Development

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Figure 5: Children Knowing Hijaiyah Letters.

category, children can say MB, when children can say hijaiyah letters, they still have to be guided by the teacher, children can write hijaiyah letters, at least 3 letters.

# 3.5. Increasing Spiritual Intelligence Aspects of Knowing the Two Sentences of the Creed

The Shahada phrase is an important statement to convert someone to Islam because it makes Allah the God of all servants and Muhammad His Messenger, so that the reader (reader) has the true light of monotheism. According to [28], Shahadah is derived from the Arabic word syahida, which means to testify. Then the literal meaning is to testify and give confession. According to [29], The creed phrase Lailahaillallah Muhammadara-sulullah in Islam is the foundation of Islam and the first commandment to creation.

According to [30], Two-sentence Faith, namely, acknowledging that God is One and acknowledging the presence of His Messenger, namely, Prophet Muhammad. Regarding

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the existence and testimony of the Messenger of Allah, namely, Prophet Muhammad, that is the first pillar of Islam, which is realized after conversion to Islam. According to [31] the two sentences of the Creed namely "Asyhadu allaa ilaaha illa Allah, wa asyhadu anna Muhammadar Rasoolullah (I confess that there is no God but Allah and I confess that Prophet Muhammad is indeed the Messenger of Allah)" Is the most basic and more fundamental reminder, which automatically implies that there is no spirit, no motive, no purpose, no self-awareness, when essentially everything is not God alone. According to [32] religion is a legal condition for accepting Islamic charity, so if a person's shahada was valid before, the pillars of Islam are useless after that (reward does not count).



Figure 6: Two Words of Shahada.



Figure 7: Picture of a child saying Two Words of Shahada.

As for the results that can be seen at the time of observation of the 23 children who were the subject of the study after treatment there were 8 children (34.78%) in the Very Well Developed category the child was said to be BSB when the child was able to say two creed sentences without being guided by the teacher, the child could understand



the meaning of two creed sentences, children can explain the meaning of two creed sentences. There are 6 children (26.08%) in the Developing category According to the expectations of the child, it can be said to be BSH when the child's development shows that the child can say the two creeds, the child can understand the meaning of the two creeds. There were 7 children (30.43%) in the Starting Development category, children can be said to be MB when the child's development shows that the child can recite two sentences of creed while still being guided by the teacher. There are 2 children.

# 3.6. The Effect of Youtube Social Media on Increasing Children's Spiritual Intelligence

Technology can be used as a driving force in the learning process, to support the organization of communication, to evaluate learning activities, to manage resources and to create learning materials. The development of technology is very fast and the benefits are visible today, namely the internet. With the help of the Internet, all information can be found very easily anywhere. Snelson [33] states that "Youtube is one of the most popular video sharing services on the Internet today." Later [33] stated that "Youtube is a video website that is very popular today. "About 100,000 videos are watched on YouTube every day" According to [2] "YouTube social media is an online video site that provides various information in the form of moving images or videos, even interactive". According to [34] "YouTube is a program of tools, manipulation and maintenance for information. Intelligence is a quality that characterizes the excellent qualities of a person to understand, decide, foresee and deal with something". Intelligence is one of the great gifts of Allah SWT to humans and makes it one of the advantages of humans over other creatures. According to [35] "Spiritual intelligence is the intelligence of the soul. Intelligence can help us heal and build our whole self". Further [36] "Spiritual intelligence is a concept related to how a person manages and uses the meanings, values and quality of spiritual life. Spiritual quotient comes from the word spiritual and quotient". Later, according to [37], "Spiritual intelligence is a set of mental abilities that promote the awareness, integration and adaptive application of immaterial aspects". Al Tarigan [38] stated that "Spiritual Intelligence (SQ) is the ability to give a meaning of worship to every behavior and action through natural steps and thoughts to an integrist mind and a principled person of God".

The results of the study were obtained from the results of the observations before the treatment and then the inferential analysis, because the t number was 10.665 > t



table 1.713, so based on the above decision, it can be concluded that H0 is rejected. and H1 is accepted. So it can be concluded that there are differences in the average learning results before treatment and after treatment, which means that YouTube social media has the effect of increasing the mental intelligence of 5-6-year-old kindergarten children Aisyiyah Bustanul Athfa, Group. B. Dolago, Parigi Moutong regency.

### 4. CONCLUSION

In Group B Kindergarten Aisyiyah Bustanul Athfal Dolago Parigi Moutong, the level of mental intelligence of children is still very low or not properly developed because the choice of media does not arouse children's interest in learning. That new media are needed according to the times and the learning interests of children. The application of information technology, especially the application of Youtube, in the Kindergarten Group B Aisyiyah Bustanul Athfal Dolago Parigi Moutong is implemented by providing children with educational programs in the form of animated videos, stories, fairy tales and songs that contain educational values. for children . From this it can be concluded that youtube social media has the effect of increasing the mental intelligence of 5-6 year old children, the research results show that the development of students has increased significantly.

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