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Fun Enjoyable Ways to Learn Mathematics in Islamic Boarding School

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Abstract Lucky are the parents who send their children to Islamic boarding schools. Especially in this digital era, supervision of children needs to be enhanced. Learning in boarding schools is not only about religious knowledge but also other subjects, including Mathematics. However, many students claim that Mathematics is difficult. Various phenomena occur, such as students sleeping or skipping classes during Mathematics lessons, teachers who lack engaging lesson designs, and rigid and tense teaching methods that make Mathematics a frightening subject. As teachers, we should be able to create a fun and enjoyable learning atmosphere, so that students become addicted to learning Mathematics. The purpose of this research is to find out the fun and enjoyable ways to learn Mathematics in Islamic boarding schools. The analysis is based on literature review. Data collection techniques involve gathering various information from literature sources. Additionally, it is structured and organized systematically for better understanding. The results obtained in this research are various enjoyable ways to learn Mathematics in Islamic boarding schools.

Keywords: Fun; Mathematics; Islamic Boarding School

INTRODUCTION

Education is an activity to develop the potential of students to become human beings who believe and fear God Almighty, have noble character, and quality (Amir, 2021). Thus, education is the beginning of changing people. The Qur'anic verse that came down first was about reading (iqro), not about prayer or fasting. It is so important to be a knowledgeable human being, of course, it is also accompanied by good morals. The existence of Islamic Boarding School as educational institutions established on the participation of the community, in the national education system has gained legitimacy in the National Education System Law (Fathani & Artikel, 2019). In Islamic boarding school can be the center of education and civilization. Learn with teachers who have insight and knowledge that leads to change so that a generation with broad insight and leadership spirit is born. The atmosphere of Islamic boarding schools makes learning cooler.

Children who study in Islamic boarding school not only like religious studies but also like general subjects such as Mathematics. It must be balanced between the science of the world and the afterlife. Of course this is a challenge for us as educators. Teachers who are patient, creative and master interesting learning models are needed. Being a teacher who is loved is the dream of all of us. If children feel happy learning Mathematics with us, of course their learning outcomes also increase. Their prayers were with them for the success of their teachers. Learning Mathematics in Islamic boarding school should be made fun and fun. Mathematics subjects are considered difficult because students do not know the existing concepts and do not want to try more in learning mathematics or students need learning methods (Purnamasari & Afriansyah, 2021).

METHOD

This research uses qualitative research methods and library research approaches. Literature study is a research method designed so that researchers get data sources from various library collections such as books, documents, historical events and others.

Literature search serves as an effort to obtain information about similar studies, deepen theoretical studies, and sharpen methods. Literature study is an important part of a study to examine the extent to which the science related to the research carried out has developed and the extent to which relevant research has been carried out by researchers. In this research, the collection of literature studies used are reference books, articles and scientific journals related to fun and fun ways to learn Mathematics in Islamic Boarding Schools.

RESULT AND DISCUSSION

Broadly speaking, Islamic boarding school are divided into three major groups.

- 1) Islamic boarding school salaf is a Islamic boarding school that has the characteristic of maintaining the recitation of the yellow book as the subject matter without teaching general education. Teaching methods generally still make mosques the main means of education. Santri is not made in class according to age level but more according to the ability to master the study material and students do not really expect a diploma as the legality of education during learning.
- 2) Islamic boarding school khalaf applies classical models, curricula and subjects combined with general lessons or the national curriculum. The level of education is adjusted to age and limited by time and the students have a diploma to continue to the next level of education.
- 3) The combination of salaf and khalaf Islamic boarding school is a type of Islamic boarding school that combines the thickness of traditional education with modern education adapted to the guidance of the times.

Mathematics is a subject that is a curse for students. They often have such great difficulty in learning, understanding, and describing that they have to memorize many mathematical formulas even though the role of mathematics in everyday life is very large. So they end up hating math and don't want to learn math. I don't know who gave the impression and began to say that mathematics is difficult and boring to the point that it sticks in their minds to this day and even becomes a way of thinking that sticks in their minds.

In fact, mathematics is a fun and entertaining subject, even a subject that will continue to be useful in life. Try learning maths with your child outside or in nature.

Learning outdoors is definitely more exciting and fun. So that children do not get bored, there are many tools that we can use when studying outside.

Based on the results of research obtained by (Maswar, 2019) shows that to motivate students to like mathematics, student fun mathematics learning strategies can be applied based on the mathemagic game method, mathematical puzzles, and interesting, challenging and entertaining mathematical stories. This makes learning in mathematics lessons fun and not rigid. In addition, such methods can be used to arouse interest in mathematics in students and stimulate their brains to think creatively. Learning is fun, and students' negative perception that math is complicated, tedious, too serious, and boring is transformed into a positive perception that math is fun, easy, useful, fun, and entertaining. This is in line with the results of research obtained by (Abidin & Tohir, 2019) showing that the selection of appropriate strategies in the construction of formulas, explanation of problem descriptions, important information including solving obstacles found.

As for the results of research obtained by (Mohammad Tohir, 2016a) shows that to make students active in learning activities, teachers must apply nine things that can be applied to questioning activities, namely (1) Introduce an interesting phenomenon that has never been recognized by students before, (2) Words in a question, (3) The teacher gives examples of fishing questions, (4) The teacher forms a study group in observation and questioning activities, (5) The teacher can also ask students to work in groups to make some questions, (6) The teacher accompanies each student to make questions, (7) Completing What if for What if not questions, (8) Questioning Breakfast, and (9) Questioning Appraisal (Mohammad Tohir, 2016b).

Meanwhile, according to (As'ari, Tohir, Valentino, Imron, & Taufiq, 2017) said that teachers should focus on the material to be discussed in class, through HOTS learning sourced from student discussion groups. Then, the teacher compiles an assessment instrument based on the application of HOTS learning carried out in class. HOTS learning is learning oriented to higher-order thinking skills, the role of the teacher does not explain much, on the contrary, the teacher stimulates a lot of questions to encourage the emergence of students' original thoughts. Therefore, there are seven tips for learning fun and fun mathematics, namely (1) learning in the

outdoors, (2) learning by playing, (3) learning mathematical tricks, (4) using interesting teaching aids, (5) make students as study companions, (6) use varied learning models, and (7) be a teacher desired by students (Indonesia, 2014) (Author, 2014) (Noah, 2014) (Abdur, 2016)

The next more detail discussed by (Mohammad Tohir, 2019) in the results of his study that to become a teacher desired by students is as follows:

1) Teachers Who Master the Subject Matter.

Preparing material before learning is an absolute obligation that must be done by a teacher. The existence of careful preparation will affect learning success (M Tohir, 2019).

2) In teaching teachers always use active, innovative, creative and fun learning strategies (PAIKEM).

Each material has a variety of ways of delivery. Teachers should not only stick to one method, for example only lectures. Also use fun methods, that is, those that keep students active and self-performing. For example, by using experimental / practicum methods, with direct observation / learning of the environment, with intelligent methods, with learning using "audio-visual" aids, with game or game methods, and others.

3) Teachers who are able to provide motivation to learn in their students.

Giving encouragement to students can be done at the time of delivery of learning objectives or at the middle of learning or at the end of the lesson. It was then that it was necessary to convey what he studied the material for, and what its uses were in everyday life. So that students can understand the direct benefits of learning the material. If during the learning process children experience fatigue and boredom, create a pleasant atmosphere.

4) Teachers who are able to create conducive teaching and learning conditions.

The teaching and learning process will be conducive, if the teacher has mastered the subject matter and certainly in delivering the material comfortably and easily understood by students and the teacher will be able to provide objective assessment.

5) Become a humorous teacher.

Being a humorous teacher is one of the requirements so that learning is not boring, especially in Mathematics. Because on certain materials sometimes it requires serious concentration, when problems are solved it needs to be interspersed with humorous stories that can break the ice. This will happen if a teacher has special skills in eliciting laughter from his students.

6) Intersperse learning with games.

Providing games or games to students during learning is very necessary so that learning is like playing. The game here is used to introduce students that learning mathematics is fun, creative, and fun.

7) Teachers who provide the rights and needs of their students.

After the observing process occurs, the next student learning experience facilitated by the teacher is the questioning learning experience. The learning experience is interpreted as questioning and questioning the things observed. The occurrence of 'questioning' activities by students can be caused by not understanding the things observed, or it can also be because they want to get additional information about the things observed. In order for the process of questioning by students to run more smoothly and with quality, teachers can facilitate by provoking questions that function to lead students to ask things observed.

8) Teachers who maintain authority.

Authoritative teachers will be reflected in their behavior or attitude in the classroom or outside the classroom.

9) Teachers who are able to be examples or role models.

Being an example or queen tauladan is first and foremost as a Guru. It is said that the Javanese Guru is digugu and imitated

10) Teachers Understand the psychology of child development.

Teachers who can understand the psychology of child development can know the reason why a student does something, so that if a student makes a mistake then the teacher can quickly and responsively change the student to move on to good deeds to be achieved from educational goals.

11) Teachers who Understand Children's Learning Styles.

Teachers who understand children's learning styles can determine the learning styles mastered by certain students, so that each student can understand everything taught by the teacher based on the child's learning style. We need to know again that there are three types of children's learning styles, including audio, visual and kinesthetic.

12) Teachers who always look attractive and are generous with a smile and patience.

Maintaining an attractive appearance for a teacher is a must, because if a teacher looks attractive and neat it will make students feel at home with the teacher. Moreover, if the teacher is added with a generous sincere smile to the students, then the students will like the teacher.

13) Teachers who educate with heart and inspire.

Educating or teaching is not only considered a job or profession, more than that it is also interpreted as devotion and worship. Students are not only objects, but also human beings like children, who are not only educated but also prayed for.

14) Rewarding students.

Giving awards to students who have a good quantity and quality of investigative questions. That way, students perceive questioning activities as a useful activity. According to Imam Ghazali in the book *Ihya' Ulum ad-din* writes, "If in a child stands out his good morals and praiseworthy deeds, then he should be glorified, gladdened and praised in front of the crowd to give the spirit of noble character and praiseworthiness."

Glorify children and encourage them with gifts or sweet sayings in accordance with the words of the Prophet narrated by ath-Thabrani, "Give gifts to each other so that you love each other". If we look at the character of students during school, then surely they really like if they get appreciation from their teachers, both tangible and intangible awards. Therefore, a teacher should respond to what a child likes. The teacher must be able to give these gifts at the right opportunity.

15) Teachers are Up To date.

Teachers who are Up To date can develop faster than others, because teachers who teach with broad insight and use short ways in problem solving. This can be obtained if a teacher continues to look for the latest information. For example, a teacher's analytical skills can develop if he always tries to solve problems that are reasoning.

CONCLUSION

Being a teacher is like a star illuminating the darkness. How beautiful it is to be a teacher that students love. Through teachers many virtues can be instilled in students, not only knowledge but also experience. There is no stopping learning for a teacher because we are dealing with the future of children. We must also be able to adapt to technological developments. Not educating children according to the way we used to learn, but educate them according to the times.

Islamic boarding school is the oldest institution in Indonesia which is increasingly supposed to grow. The equitable development of Islamic boarding school throughout Indonesia receives important attention because the quality and constancy in its usefulness are deeply rooted because the existence of the institution has a very strong character. So, Islamic boarding school should not be complacent about the old age of the institution. Islamic boarding school must continue to innovate and follow the leaps of development of the increasing times. Islamic boarding school are required to compete with more modern general education institutions. Indonesia has an increasing number of Islamic boarding school. This increase must be accompanied by an increase in the quality and quality of Islamic boarding school, especially so that mathematics lessons are enjoyed by children.

Mathematics has an important role in life. After reading how to learn Mathematics in Islamic boarding school, hopefully we will always be motivated to teach Mathematics more interesting and fun, not only in Islamic boarding school but in the school where we teach. Of course it takes a process but we must be sure there is always a way for every change for the better. Maybe we have failed at something

else but must be successful in educating. Hopefully this article is useful for all of us, especially for writers who are still in the learning stage.

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