



EFFORTS TO IMPROVE LEARNING MOTIVATION OF GRADE VIII STUDENTS IN THE SUBJECT OF MATHEMATICS USING THE PAKEMSTRATEGY

Achmad Fatahilah¹, Ridho Achmad², Sulaiman Jaeng³, M. Makhrus Ali⁴

¹ Institut Ahmad Dahlan Institute, Probolinggo, Indonesia

² Institut Ahmad Dahlan Institute, Probolinggo, Indonesia

³ Institut Ahmad Dahlan Institute, Probolinggo, Indonesia

⁴ STAI Ibnu Rusyd Kotabumi lampung, Indonesia

Email: achmadfatahilah@gmail.com, muhammadali2518@gmail.com

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Abstract :

The purpose of he did study This is For know presentation amount students who have reach success in increase motivation Study mathematics and knowing efforts made by mathematics teachers For increase motivation his students to lesson mathematics with using the Pakemstrategy in Class VIII A of Riyadlus Islamic Middle School sholihin. Research that has been done This is study action class (PTK) and techniques used in the research is technique quantitative and descriptive qualitative research data obtained from results interviews, observations, recording field and documentation. Based on results from study can concluded that study This done with 2 cycles. And the results cycle 1, namely there is presentation student as much as 38.3% of amount students, who are active in activity learning mathematics. while in cycle 2 there is result 89.8% of amount students, who are active in learning mathematics. Happened improvement percentage in cycle 2, meaning amount enthusiastic students to lesson mathematics the more many. Can withdrawn conclusion that motivation student the more increasing. Increasing motivation carried out by teachers is results application of Pakemlearning strategies. Teachers' action efforts in implementing Pakem, including : creating pleasant atmosphere, giving rewards, teachers are open, teachers must active and teachers must discipline.

Keywords: Learning Mathematics, Pakem Motivation Study

INTRODUCTION

Education is a learning process with objective For get knowledge and skills through the teaching process, training and also being able to with research. Every man must go through education especially Now government emit policy must study for 12 years. In something education Certain There is supporting institutions activity education is one of them is school. In the learning process Certain a teacher needs a strategy that is appropriate and can implemented in activity learning in class. A learning process will success if the strategy used namely a learning strategy that applies approach between teachers and students. The learning outcomes obtained by students depend on from How the teacher's way at the time convey his knowledge to students. So a teacher must capable innovate create a strategy that can help student reach objective in learning.

Junior high school Islam Riyadlus pious is one of the schools that are



located in the area regency Probolinggo. Education taken at school said, some of them big is religious education. However, education general like Language English, science, social studies, mathematics are also applied in schools Based on that. the interview that has been conducted by researchers, some big student Class VIII, especially Class A, experienced difficulty in Study eye lesson Mathematics. Many inhibiting factors in Study mathematics is one of them is dislike student to knowledge count. So motivation Study student reduce due to thinking base they to eye lesson mathematics difficult For understood. That is what causes the plunge motivation in Study mathematics.

Motivation generally very important for man in operate all activities, as well as students. In studying something science, students must based on with motivation moreover before. Without existence motivation in self students, then the knowledge that will studied No will can absorbed by students said. It could be said that motivation basically is something the impulse that comes from from self Alone For bring up Spirit in acting up behavior (Kompri, 2015). Motivation very influential to results learning student at school Because without motivation results learning No will Can maximum and not can reach objective learning (Atok et al., 2019). Mathematics is one of the universal science that has very function important in various aspect life, start from counting money, trading and so on, of course use knowledge mathematics. A look at each student to knowledge mathematics Certain vary (Sahrudin, 2014). Most of them Lots students who look knowledge mathematics is eye very important lesson pleasant so that they motivated For study it, will but there are also some students who look knowledge mathematics That very important lesson difficult so that they not enough interested For study it which will result in motivation they No will grow. A condition like this that's it must appear a learning strategy that can give pleasant atmosphere in learn knowledge mathematics for motivation student will grow and be able to arouse feelings of liking will knowledge mathematics (Asmani & Ma'mur, 2011). Therefore that, the role of teachers in determine learning strategies very much important. In improving motivation, teachers can interact direct with use active, creative, effective and enjoyable learning (furthermore) called Pakem).

Pakem is abbreviation from the word learning active, creative, effective and fun, terms grip Alone is a learning strategy, where Pakem is action approach taken by teachers to student in the learning process in a way direct. (Saptaningrum & Kusdaryani, 2011). Standard strategy This aim For digging and looking for ideas and the potential that a person has students. This strategy expected For give motivation Study at school especially in the eyes lesson mathematics. (Muhammad, 2010).

From the background behind above, researchers want to know efforts made by teachers in increase motivation learning in the eyes lesson mathematics especially in class VIII A at Riyadlus Islamic Middle School pious with using the Pakemstrategy. Research conducted by researchers is PTK (Classroom Action Research) research with use a learning strategy namely Pakem (learning) active, creative, effective and fun) because student

conditions in Study knowledge mathematics Still not enough fun and situation in the class Still monoton with method teach so-so only, can interpreted that student motivation with condition like That make motivation Study the more decreased, because the students No have Spirit For follow lessons mathematics. Based on results observations made by researchers, the students only do work school (assignments) from teachers only and students only hear the teacher's explanation that explains in front. The thing that makes the most student bored that is start from beginning learning until donkey learning, teachers only give learning count just so that student become bored and stuffy consequence think too serious resulting in lazy students want to Study mathematics and results learning mathematics not enough maximum.

The purpose of research conducted This is For provide ideas and creativity to the teacher in do learning mathematics to be more Good Again with hope student more active and increasingly interest For follow learning mathematics so that motivation student the more increased and the knowledge learned will easy absorbed and understood by students. Things that are done For increase motivation Study mathematics with method give something atmosphere new in learning so that the students Can grow Spirit new For follow learning mathematics. With so student easy control existing materials in accordance with base applicable curriculum.

RESEARCH METHODS

Methods used in study This is PTK method, namely abbreviation from Classroom Action Research. PTK in study This is methods used in A study with method collect data with pay attention and observe improvement motivation Study students in the eye lesson mathematics using existing strategies determined by the teacher, namely the Pakemstrategy. Research action class is plan or strategies implemented with on purpose For give method more learning efficiency that occurs in the class.

Sugiyono (2015) is of the opinion that PTK consists of over 4 components main thing that describes steps, including : Planning, Acting, Observing and Reflecting. Of the four component the will show A action repetitive repeat so that formed cycle.

The technique used in data collection in research This use technique description qualitative and quantitative. Description qualitative obtained from observation, interviews, recording field and documentation. Meanwhile For technique quantitative used For process the data that has been enter into the count the numbers that will be will formed in the form of presentation.

In a study Certain there is something called measurement results. Likewise in research There is criteria that become benchmark in success increase motivation in Study according to Purwanto (2010), namely :

Table 1
Criteria success in increase motivation

Presentation	Criteria
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86 - 100%	Very good
76 - 85%	Good
60 - 75%	Enough
55 - 59%	Not enough
< 54%	Not enough

The subject to be investigated is student class VIII A Islamic Middle School riyadlus sholihin. A sample of 24 students was taken in One class. Researcher do 2 cycles in research and if in the cycle second Still Not yet There is improvement motivation Study so will to be continued to stage cycle furthermore until objective learning achieved. Presentation criteria success improvement motivation Study set with percentage 75%.

RESULTS AND DISCUSSION

Study done in 2 cycles. Cycle 1 and cycle 2. The items that will be observed by researchers as indication success in increase motivation Study mathematics with PAKEM strategy in class VIII A at Islamic Middle School Riyadlus Sholihin. The following are the indicator items that will be become benchmark in assessment, including :

1. Persistent face task
2. Tenacious in face difficulty finish task
3. Show attitude like in Study mathematics
4. Frequently answer quiz questions from the teacher
5. Ask a lot of questions in lesson mathematics

There is 1 observer in do recording and observation to actions and behavior students in class. Where is the recording done in accordance with indicators that have been there is. Here This is method observer record and observe based on indicators that have been there are, namely :

Table 2

Observer's way take notes student in accordance with indicators that have been There is

No.	Indicator	Observer's way
1.	Persistent face task	See book assignments collected by the teacher
2.	Tenacious in face difficulty finish task	When working task school try finish task although difficult
3.	Show attitude like in Study mathematics	When learning student No Lots chat Alone
4.	Frequently answer quiz questions from the teacher	Active in answer question
5.	Ask a lot of questions in lesson mathematics	Ask a lot of questions in the learning process mathematics

In the results observation, data processing based on amount students who demonstrate appropriate attitude with indicators that have been there is. And later will obtained presentation student of the total students who showed attitude according to the indicators. The Pakemstrategy is carried out in the cycle second. Where the teacher will determine what is the standard strategy done in learning. And if in cycle 2 the condition student still like cycle 1 then will done cycle next until objective learning achieved that is increase motivation student.

Results of cycle 1

In cycle 1, it was carried out recording and observation to student class VIII A Islamic Middle School Riyadlus sholihin. Percentage data show amount students who have do in accordance indicator. So if amount presentation tall Already can confirmed motivation student increase and its meaning success improvement motivation Study student successful. In cycle 1, the mathematics teacher and researcher Work The same in implement standard strategies and explain channel learning mathematics in class. The following This is the results of the data that has been managed by researchers, namely :

Table 3

Analysis results increase motivation Study student cycle 1

No.	Indicator	Amount active students (students)	Presentation student	Category
1.	Persistent face task	15	62.5%	Enough
2.	Tenacious in face difficulty finish task	7	29.1%	Not enough
3.	Show attitude like in Study mathematics	10	41.6%	Not enough
4.	Frequently answer quiz questions from the teacher	5	20.8%	Not enough
5.	Ask a lot of questions in lesson mathematics	9	37.5%	Not enough
Average			38.3%	Not enough

From the results obtained can concluded in the cycle First motivation Study mathematics in students class VIII A is very not enough once. Student interest will Study mathematics not enough.

Results of cycle 2

On cycle second, teachers and researchers plan more learning Grip than learning in cycles second. In the cycle both teachers gave quiz questions and answers answer about question mathematics. And if There is students who can answer more from 5x with right, then the teacher will give gifts and rewards to student said. And enthusiastic student very high. Many students try answer although the answer is wrong. The teacher also gives task in the form of task like normal will but different is If student can answer task with 100% correct

then the teacher will also give gifts. Teachers and researchers try create interesting atmosphere so that student No bored with what the teacher taught. The following data shows the results presentation student in increase motivation Study students, namely :

Table 4
Analysis results increase motivation learning in cycle 2

No.	Indicator	Amount active students (students)	Presentation student	Category
1.	Persistent face task	23	95%	Very good
2.	Tenacious in face difficulty finish task	20	83.3%	Good
3.	Show attitude like in Study mathematics	24	100%	Very good
4.	Frequently answer quiz questions from the teacher	19	79.1%	Good
5.	Ask a lot of questions in lesson mathematics	22	91.6%	Very good
Average			89.8%	Very good

From the results of cycle 2 data, it can be concluded that increase presentation student in increase motivation Study mathematics experience increase drastically. There is an average of 89.9% of the total students who play a role active in learning mathematics with category very good. So the Pakemstrategy is very effective very in increase motivation Study mathematics with 89.8% of the total students in class VIII A achieved the percentage criteria success in increase motivation Study student to eye lesson mathematics.

Discussion

Motivation Study student will increase if the strategy in learning that is carried out No monotonous. Standard strategy (learning) active, creative, effective and fun) used in study This very much effective. There is increase to presentation active students in learning mathematics It means motivation Study student increasingly increase.

In cycle 1 results recording that is done observer there are 38.3% of total number of students class VIII A which achieved criteria success in improvement motivation in Study mathematics with category not enough once. It means motivation student in Study mathematics in cycle 1 is very less. Interest in Study mathematics No there is. Their reason is one of them is mathematics difficult For done. After experiencing cycle 2, occurs increase to 89.8% of total number of students who achieved criteria success in improvement motivation Study mathematics.

As for the efforts made by mathematics teachers in increase motivation Study mathematics, between other :

1. Create atmosphere fun and stress - free learning monotonous. Students sometimes feel bored with situation Study especially Study calculations. Teachers should create an atmosphere that is not tense.
2. Giving rewards, gifts to active students in learning mathematics
3. Teachers must nature open If There is student ask.
4. Teachers must active in explain the chapter that will be explained simply and easily understood.
5. Teachers must disciplined and friendly with student.

Motivation very required very for students, because with motivation, whatever it is liked will become Like with growing enthusiasm from motivation self themselves. The teacher's efforts in increase motivation in Islamic junior high school riyadlus pious Already get results. According to with recorded data there are 21 students of the 24 students who showed attitude positive to lesson mathematics that is attitude Serious in follow eye lesson mathematics. Initially attitude shown students in cycle 1, namely a sullen attitude and an attitude that seems bored with eye lesson mathematics. Next, the mathematics teacher explain method learning that will be done at the stage second cycle. Response student initially normal only, but After the teacher gave a quiz with prizes, the response student outside usual. Many students are fighting over it For answer question from the teacher. From the condition that is the situation of the learning process the more fun. Many students are active ask and give know answer to Friend beside him. The teacher is getting more and more easy For explain the material to be taught. The students enthusiastic listen with Serious the material being taught. Besides explain material, the math teacher also invited laughter with give joke mathematics to student.

Sardiman (2004) argues that there are 6 indicators improvement motivation learning used, namely :

1. Diligent in do task, that is is student diligent do task school with appropriate time and students No will stop do task if task the Not yet finished done. (Not easy) For separated hope)
2. Tenacious in face difficulty, that is to say is student Work hard and not will easy give up with what to do. If faced with difficulty in study, students will try Keep going For look for answer or solution from difficulty the.
3. Show attitude in learning, that is is student show seriousness in Study like Serious Study in facing problem, looking for solution from problems faced, no easy complain and be serious in absorb the knowledge taught.
4. Work independent more fun, I mean student do his duties No must ordered. Always believe self with ability himself Alone.
5. Always wish use method new, I mean student tend more fast bored with monotonous learning so that can result in student No creative.
6. Hold firmly against opinion self alone, I mean is student always maintain opinion self Alone with condition opinion the in accordance with real and existing theory and reality there is.Can maintain his opinion (if Already Certain will something).

Learning that is done after cycle 1 and cycle 2, students with easy understand what the teacher explains. Within the period 1 week time, math teacher always give method creative learning so that student No will bored and always enthusiastic For follow lesson mathematics. Not That only, the achievements obtained students also experience improvement that is seen from results Study students who are increasingly good. PAKEM strategy provides positive impact For progress lazy students, teachers are also easy For direct student in learn. However there are also some students who are still low his motivation, thing the due to There is a number of students who have not fluent in counting and understanding with clear each the material presented.

The teacher tried hard For overcome matter namely, with method give guidance Study special outside timetable school. However There are also students who are lazy to follow activity addition said. The teacher also gives attitude firm to students who get mark Bad moment exam that is with method give exam remedial until student the truly can and get mark good, besides That given guidance in Study.

CONCLUSION

Based on results obtained from activity learning use PTK method (research action class) which has implemented with two cycle, it can be concluded that implementation of the learning process using the Pakemstrategy (learning) active, creative, effective and fun) very effective and influential in improvement motivation Study students in the eye lesson mathematics in class VIII A at Islamic Middle School riyadlus pious.

The results obtained in cycle 1 were 38.3% of 24 students reach indicator success improvement motivation with predicate not enough once. And experienced improvement in cycle 2, namely there are 89.8% of total number of students who achieved improvement motivation learn. With many enthusiastic students in follow learning mathematics means motivation student the more increased. Teachers' efforts in increase motivation student in actions, including : creating pleasant atmosphere, giving rewards, teachers are friendly open, teachers must active and teachers must discipline.

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