

TEAMS GAMES TOURNAMENT LEARNING MODEL; EFFORTS IN IMPROVING STUDENTS' WAY OF THINKING

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Abstract: The purpose of this study was to examine the application of the Teams Games Tournament (TGT) learning model so that the student's way of thinking became more honed and no longer bored during learning. This research uses the Classroom Action Research (CAR) method in its implementation. The research subjects were class VIII B Regular MTs N 1 Probolinggo, 24 students. Data collection techniques based on pre-test and post-test. The research model design is carried out through the following stages: planning action, implementing the action, observing/evaluating, and reflecting. The results show that the students have achieved the expected learning mastery, 75%. That is, the thinking level of students is getting higher so that the learning objectives that have been designed can be adequately achieved. This is evidenced by the average score of 80.25 students and 17 students who have completed their studies or 70.83%.

Keywords – Teams Games Tournament Learning Model, How to Think for Students

Abstrak – Tujuan dari penelitian ini adalah untuk mengkaji penerapan model pembelajaran Teams Games Tournament (TGT) agar cara berfikir siswi menjadi semakin terasah dan tidak lagi jenuh selama pembelajaran. Dalam pelaksanaannya, penelitian ini menggunakan metode Penelitian Tindakan Kelas (PTK). Subjek penelitian ialah kelas VIII B Reguler MTs N 1 Probolinggo yang berjumlah 24 Siswa. Teknik pengumpulan data berdasarkan pre test dan post test. Adapun rancangan model penelitian yang dilakukan melalui tahapan: merencanakan tindakan, melaksanakan tindakan, observasi/evaluasi, dan refleksi. Hasil menunjukkan bahwa siswi telah mencapai ketuntasan belajar yang diharapkan, yaitu sebesar 75%. Artinya, tingkat berfikir siswi semakin tinggi sehingga tujuan belajar yang telah dirancang dapat tercapai dengan baik. Ini terbukti dengan jumlah nilai rata-rata siswi 80,25 dan siswi yang dinyatakan tuntas belajar sebanyak 17 siswi atau sebesar 70,83 %.

Kata Kunci – Model Pembelajaran Teams Games Tournament, Cara Berfikir Siswi

INTRODUCTION

Learning is the effort of a person or group of people to produce *goals* in the form of *an attitude* that is insightful on *knowledge, values, skills, and positive thinking based on experience* (I putu Yogik Suwara Mahdi, 2019). Through learning one is able to know an unknown knowledge, become able, even proficient. In this case, education in schools is a means to channel belaja r activities (Qusyairi & Sakila, 2018). The existence of education is a law of quality for the next generation of the nation in inheriting religious values, culture, thoughts, and expertise in order to be ready to face and bring the Indonesian nation towards a better future (Munif & Yusrohlana, 2021).

What should be noted, a learning also depends on the teacher's ability to develop a learning model that aims to increase the intensity of student participation in the classroom (Parsas, 2018). That is why, a teacher should be able to choose the right learning model to use and implement in the classroom so that learning objectives can be achieved and able to improve students' reasoning, and way of thinking (Widat & Efanadari, 2021).

As the learning process progresses, the teacher acts as a subject and the student becomes an active, dynamic and interactive object. In this case, students become objects that become components of learning that require main attention because students play an important role for the progress of a community order (Zubaidah, 2021) Thus, independence will be formed in students in getting used to being involved in an activity both within the family and community (Lana, 2021).

Not only prioritizing attention to students, a teacher must also pay attention to the development of students' thinking ability. This is because the ability of students to think is needed in various lives (Sudimahayasa, 2011). Therefore, the ability to think should be honed from an early age either at school, at home or in the community. Related to learning, thinking is one way to understand a learning. This is what needs to be emphasized that the ability to think critically, logically, systematically, analytically, creatively, and cooperatively can make a learning of higher quality.

Ironically, facts on the ground show that the development of students' thinking skills is often hampered by problems. For example, the problem in MTs N 1 Probolinggo is that students feel bored and saturated in the learning process. This is due to the method presented by the teacher. In this case, the majority of teachers still use conventional learning models centered on teacher activity (*Teacher Centered Learning*) (Zamroni et al., 2021). This means that learning is still one-way so that students have little opportunity to explore ideas and abilities in themselves. In its implementation, students become passive objects who only listen to the teacher in delivering the material. As a result, both student involvement,

cooperation in groups, and teaching and learning activities become inefficient, causing low learning achievement (Astuti & Kristin, 2017).

In overcoming the problems as mentioned above, an innovative learning model is needed. *Teams Games Tournament* (TGT) can be a learning model as a solution to improve the way students think in MTs N 1 Probolinggo. The TGT learning model can help the learning process in the classroom to take place otipmal. (Cahyaningsih, 2017) This learning model includes cooperative type learning in which learners are gathered in study groups so that learning is student-centered (Oktarianingsih, 2019).

The existence of learning innovations carried out by teachers is expected to make students more active in the classroom. Especially if the learning model applied is cooperative learning such as Teams Games Tournament (TGT). So, the cooperative learning model can be one way so that students are no longer saturated and bored, but active and participatory. This is in line with Faizah's opinion (in Ulfa et al,) which states that TGT learning is included in effective cooperative learning to improve the thinking ability of participants. In addition, the Teams Games Tournament learning model can make students feel happy and enthusiastic because of the challenging games in the learning.

On the other hand, teachers should give certain stimuli such as yell-yel or clapping so that the specific skills possessed by students are better trained through the TGT learning model so that the learning achievements obtained will increase. These various foundations are what make researchers strive to apply the Teams Games Tournament learning model in MTs N 1 Probolinggo class VIII B Regular.

To obtain comprehensive analysis results, researchers seek to review other studies relevant to this research topic. For example, research conducted by Hakim and Syofyan states that the TGT cooperative learning model can motivate learners in learning (Hakim & Syofyan, 2017). In line with the study, Damayanti and Apriyanto also stated that the learning outcomes of students in mathematical learning have increased with the application of the Teams Games Tournament (TGT) type cooperative learning model (Damayanti & Apriyanto, 2017).

The two studies both show that the TGT model has a positive impact on student motivation and learning outcomes. In this case, the author also examines the TGT learning model. The difference is that the researcher's focus is on using the TGT model as a means of improving the way of thinking of female students. This is because the TGT model is included in the cooperative learning model (Sulfemi & Setianingsih, 2018). Through cooperative learning, students are required to be able to solve problems faced with their peers, so as to help students to be more active in the classroom. This is what the novelty of the research is all about.

In addition, the implementation of teaching and learning activities in conventional MTs N 1 Probolinggo often does not trigger the critical attitude of female students. Because, conventional learning is only in the form of conveying information through lectures so that it refers more to the activeness of the teacher, while students only listen, copy, and answer questions. In this case, the teacher is only limited to giving examples of questions and exercises that are routine in nature and do not utilize the critical thinking power of female students. After that, the teacher evaluates the learning outcomes through the assessment of the questions that have been answered (Lestari, Hariyani, & Rahayu, 2018). TGT's cooperative learning model which is group work in the form of academic games played by one group of students with another group (Triowathi & Wijayanti, 2018). There is no distinction of social or intellectual status in the score achievement in the group because the implementation of academic games is carried out in teams. So, the TGT model makes learners as peer tutors but in the form of games or tournaments. In this case, the researcher wants to focus on the object of MTs N 1 Probolinggo students. Thus, all objects are female and have their own characteristics.

Research on the *Teams Games Tournament* (TGT) learning model is important to study because the learning model has a function to improve the way students think in MTs 1 Probolinggo. That way, students will become a learning center (*Student Centered Learning*) so that students' thinking skills become more honed during classroom learning. Furthermore, TGT learning which is classified as cooperative learning can hone students' social skills in group activities so as to improve student learning achievement. When learning is centered on female students, it shows the activeness of female students so that it can improve student learning outcomes. Because, when female students are active, it means a lot of new knowledge they absorb.

RESEARCH METHOD

The focus of this research is an effort to improve the thinking ability of students through the Teams Games Tournament learning model by applying a qualitative research approach of the Class Action Research (PTK) type. Class Action Research (PTK) was chosen to establish the rationality of an action, understand the action in depth, and improve a learning practice (Wibawa, 2003). In carrying out this study, researchers applied two cycles, namely cycles 1 and 2 to determine the differences in students' thinking levels before and after using the *Teams Games Tournament* (TGT) learning model. In each cycle carried out there are four stages, namely action planning, action implementation, observation / evaluation, and reflection.

This research was carried out at MTs N 1 Probolinggo class VIII B Regular with a total of 24 students. To be precise, the learning model of the *Teams Games Tournament* is carried out on the subject of Tajwid Science. The data listed were obtained from the results of observations and evaluation records in the pre-cycle as well as the results of giving tests in cycle 1 and cycle 1 to students of class VIII B Regular with a total of 24 people.

FINDINGS AND DISCUSSION

Teams Gamestournament Learning Model

An expert named Johnson Smith suggests that a cooperative learning model can foster five important things from a learner: *first*, positive independence; *second*, triggering interactions between learners directly; *third*, individual and group accountability; *fourth*, interpersonal and small group skills; *fifth*, group processing skills(Merti, 2020). The TGT learning model is a model that can trigger students to be more enthusiastic about learning, and this learning model really needs to be applied because it can grow the character of students to do work together and improve the learning outcomes of *Teams Games Tournament* (TGT) students are also classified as cooperative learning that is not difficult to do, games or tournaments in TGT can involve all students without must distinguish statuses, as well as teach female students to become peer tutors through the element of the game. This TGT learning aims to improve the thinking of students, especially during learning. With this learning model, students are more active in a more lively classroom atmosphere and students are not impressed as spectators. However, students can also review the lessons or materials that have been explained and shape themselves so that students can bring out the talents that exist in the student. Therefore, the cooperation between students and teachers can build interactions in the classroom to be more active and fun (Asran, Nadiroh, & Solihatin, 2019).

The procedure in the TGT learning model is that the teacher first transfers knowledge, in *this case*, the teacher as a center of learning, namely as a teacher in learning that directs students. *Second*, the students are divided into heterogeneous groups, meaning that the teacher spreads to students who have *high thinking*, (*is a way of thinking critical students in solving problems*). *normal thinking* (*thinking critically in normal levels*), and *low thinking* (*thinking abnormally or slow in thinking*). *Third*, students are instructed to advance to the tournament table with a representative system that has the same intellectuals. *Fourth*, after the game was ended, the female student was asked to return to the original place. *Fifth*, the teacher provides *punishment* for the losing student, which must re-deliver the material that has been taught and give *rewards* to the student who determines the champion in the form of praise and grade prizes. Below is table 1 of the *Teams Games Tournament* TGT learning procedure:

Table 1. Prsedur Model Pembelajaran Teams Games Tournament

Sintak Model Pembelajaran <i>Teams Games Tournament</i> (TGT)	
Langkah-langkah	Aktivitas Guru
Presentasi Kelas	Guru menyampaikan informasi yang diperlukan dalam pembelajaran, menyampaikan kompetensi yang ingin dicapai, memotivasi siswa dalam belajar.
<i>Teams</i>	Guru membagi kelas menjadi beberapa kelompok belajar yang bersifat heterogen.
<i>Games</i>	Guru membimbing siswa untuk menjawab pertanyaan dalam <i>games</i> .
<i>Tournament</i>	Guru mengadakan kompetisi antar kelompok dan memberikan evaluasi untuk mengetahui hasil belajar siswa.
Rekondisi Tim	Guru memberikan penghargaan kepada kelompok belajar atas usaha dan hasil belajar yang telah dicapai.

(Sumber: diadaptasi dari Rusman, 2016:225)

Based on the table above, it can be concluded that teachers are intensely implementing systematically, namely class presentations, Teams, Games, Tournaments, and Team Reconditioning. So that in the final stage students can carry out fun lessons in the form of rewards / awards.

Learning model of teams games tournament in improving the way students think in mts n 1 probolinggo

Pre-cycle

The difficulty of learning tajwid knowledge which has many kinds is often complained by MTsN 1 Probolinggo students. This difficulty can be caused by the teacher's inaccuracy in choosing a learning model in improving the thinking of students. In fact, the conditions in the classroom during the learning of tajwid science take place, students seem to be more busy by themselves, so students are not very active in learning in class. At the time of learning, there were still students who just sat and were silent because some students thought that the subject of tajwid science was a boring lesson so that learning outcomes were not optimal (Marudut, Bachtiar, Kadir, & Iasha, 2020). The lack of maximum learning outcomes can be seen when students are unable to answer practice questions properly.

Cycle 1

In cycle 1 (before the TGT learning model was applied), students did not have the opportunity to actively participate or have discussions between friends in learning Tajwid Science. That is what causes a sense of saturation in female students when listening to the material, so that the

student's learning achievement is unstable or ups and downs (Hambali, Rozi, & Farida, 2021). From the review, researchers visited MTS N 1 Probolinggo on Tuesday, November 23, 2021 to meet teachers of tajwid science subjects. After meeting the tajwid science subject teachers, an agreement was obtained to conduct a trial of the TGT learning model on Tuesdays at 3-4 at 08.30 to 09.30 WIB and Thursday (November 25, 2021) at 7-8 at 11.00 to 12.00 WIB. The implementers of the TGT learning model are the researchers themselves while the teachers of the Tajwid Science subjects are the observers. In this case, the task of the observer is to pay attention to, review, and assess the activities of researchers and students during the TGT learning model. Of course, researchers have received student data from teachers of Tajwid Science subjects in preparation for the implementation of the TGT learning model. From the student's data, researchers began to form study groups in TGT learning.



Figure 1. Formation of a Study Group

As shown in Figure 1, researchers divided the regular class VIII students into several groups which is the first step in the TGT learning model. In order to make the formation of the study group more accurate, the researcher gave a pre-test when the Tajwid Science lesson began to sort the results of the scores from the highest to the lowest. From the sequencing of these grades, the students were divided into 6 study groups in the order of namely the group of students with high academic ability I, high II, medium I, medium II, low I, low II. Then, these groups are spread out to become heterogeneous groups of academic abilities so that there is no inequality in learning outcomes.

The distribution of group members is carried out by placing a female student with high academic ability I, a student with high academic ability II, a student with medium academic ability I, a student with medium academic ability II, a student with low academic ability I, and a student with low academic ability II into one study group. In addition to forming

heterogeneous study groups, the results of the pre-test assessment of Tajwid Science subjects are used to find out the basic knowledge and thinking ability of students before the TGT learning model is implemented. The following is a table of pre-test results before the TGT learning model is applied:

Table 2. Student Learning Outcomes Before TGT Implementation

Student Criteria	Schoolgirl Code	Gender	Initial Test Scores
Students with high academic ability I	NNASA GO ADN SAN	P P P P	76 76 73 73
High academic ability student II	EYES NN SN MONKEY	P P P P	72 72 72 72
Students with moderate academic ability I	KNA MRL UDH VNL	P P P P	70 70 70 70
Students with moderate academic ability II	SB NEW RW DHA	P P P P	68 68 68 68
Students with low academic ability I	CS YAN UNK AT	P P P P	59 59 59 59
Students with low academic ability II	UB AS SM KH	P P P P	57 57 57 57

No	Information	Result
1	Total <i>pre-test</i> participants	24 schoolgirls
2	Total <i>pre test</i> scores	1366
3	Average <i>pre test</i> score	56,91

4	Total female students who achieved learning completion	2 schoolgirls
5	Percentage of learning completion	8,3%
6	Total female students who did not reach learning completion	22 schoolgirls
7	Percentage of learning incompleteness	91,7%

By reviewing the table of pre-test results of tajwid science subjects class VIII B Regular MTsN 1 Probolinggo before the TGT learning model was applied, it can be seen that the learning outcomes of Tajwid Science subjects have not exceeded the established learning completion standard, which is 75%. This is evidenced by the results of the calculation of the total average score of 56.91 students obtained from the calculation = 56.91, while the students who achieved learning completion were only 2 people or 8.3% obtained from the calculation. $\frac{\sum \text{skor yang diperoleh siswi}}{\sum \text{seluruh siswa}} = \frac{1366}{24} \frac{\sum \text{siswi yang tuntas}}{\sum \text{seluruh siswa}} \times 100\% = \frac{2}{24} \times 100\% = 8,3\%$

Cycle II

On Thursday, November 25, 2021, researchers returned to MTsN 1 Probolinggo class VIII B Regular to start implementing the TGT (*Teams Games Tournament*) learning model and providing post tests on Tajwid Science subjects. The procedure for implementing the TGT learning model in MTsN 1 Probolinggo class VIII B Regular is by determining the TGT components. The *first* component is a class presentation (class presentation) to introduce the material to be used in TGT through lesson discussions (*off learning*) which is collaborated with audio-visual presentations. The goal is to attract the sympathy of female students to give their full attention during the lesson. *The second is* the grouping of female students based on study groups that have been created at previous meetings (Cycle 1). *Third,* the implementation of a game that contains several basic questions that must be answered by students to test students' knowledge during presentations in class with their team.



Figure 2. The teacher asks a question to the female student for the team to answer

Shown in Figure 2, the game is played on a table with three female students as representatives of three different groups. In this game, a female student must pick up a numbered card and answer the questions listed on the card. At the event, the teacher appointed students from each group to be at the tournament table. Two female students with high academic ability are at table 1, two students with moderate academic ability at table 2, and 2 students with low academic ability at table 3, as is true in each group. The mixing of academic abilities in each group is the same as the individual progress score system, so that each female student of all ability levels can participate to the maximum to collect scores for their team. *The four tournaments build structures as the game progresses.* At this stage, the teacher gives a presentation assignment in front of the class to show the results of answering questions with the group on the activity sheet.

After the tournament was held, researchers again gave a test (post test) to find out the learning outcomes of each student. The following is a table of post-TGT test results:

Table 3. Student Learning Outcomes After TGT

Student Criteria	Schoolgirl Code	Gender	Initial Test Scores
Students with high academic ability I	ANA	P	95
	AND	P	95
	ANK	P	95
	DAM	P	95
High academic ability student II	DW	P	92
	DMPP	P	87
	IN	P	92
	FK	P	87

Students with moderate academic ability I	IJT IDP JNI LITTLE	P P P P	85 85 81 80
Students with moderate academic ability II	KMH NWJ NAA NNN	P P P P	78 75 76 75
Students with low academic ability I	NK NPD PDA Go out	P P P P	75 74 74 70
Students with low academic ability II	SNM SRH TS TAF	P P P P	65 65 65 65
No	Information	Result	
1	Total <i>post test</i> participants	24 schoolgirls	
2	Total <i>post test</i> values	1926	
3	Average <i>post test</i> score	80,25	
4	Total female students who achieved learning completion	17 schoolgirls	
5	Percentage of learning completion	70,83%	
6	Total female students who did not reach learning completion	7 schoolgirls	
7	Percentage of learning incompleteness	29,16%	

By reviewing the post test results after the TGT learning model was applied to Tajwid Science subjects in VIII B Regular MTsN 1 Probolinggo, it was seen that the learning outcomes had reached the set, which was 75%. This is evidenced by the total average score of students of 80.25 obtained from the calculation = 80.25 and students who achieved learning completion of 17 people or 70.83% obtained from the calculation. The increase in learning outcomes shows that the thinking ability of female

students is also increasing. $\frac{\sum \text{skor yang diperoleh siswi}}{\sum \text{seluruh siswa}} \times 100\% = \frac{17}{24} \times 100\% = 70,83\%$

CONCLUSION

The Teams Games Tournament learning model applied to Tajwid Science subjects in class VIII B Regular MTs N 1 Probolinggo can improve students' thinking skills and absorption of material. In addition, this learning model does not necessarily make students who have high academic abilities dominate learning or teamwork. Through this learning model, students are also trained to socialize and cooperate in their teams. From this research, it can be seen that students' thinking skills can be stimulated and honed if teachers can choose the right learning model and learning should be student-centered. Of course, the results of this study cannot be used in all learning because there are many factors that affect the success of a learning. This can be an opening for other researchers to review various efforts to improve students' thinking skills.

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