



## The Effect of the Teams Games Tournament (TGT) Learning Model on the Futsal Passing Results of BIAS Yogyakarta Elementary School Students

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### **Abstract**

This study aims to determine the influence of the Teams Games Tournament (TGT) learning model on the passing results of futsal students of BIAS Yogyakarta Elementary School. This type of research is an experiment with one group pre-test and post-test design. The sample in this study was 10 children. The instrument used to measure the results of elementary school futsal passing is the Vernon A Crew method futsal passing test. The data analysis method used was an independent sample t-test, followed by a paired sample t-test. The results of the study prove that there is a significant influence of the TGT learning model on the mastery of futsal passing of elementary school students from the initial test and the final test has increased with a difference of 1.60, That is from the average score of 1.80 in the pre-test to 3.40 in the post-test and strengthened by the results of the t-test using the paired sample t-test with a t-value of 4.951 and a significance value of  $p-0.000 < 0.05$ . Therefore, it can be concluded that the TGT learning model is very effective and has a significant effect on the mastery of futsal passing of elementary school students.

**Keywords:** *Learning Model; TGT; Passing; Futsal*

### **Introduction**

Physical education and sports are an integral part of the education system that aims to develop motor skills, physical abilities, knowledge, and a positive attitude towards physical activity throughout life. According to Fajar Mugo Raharjo (2020), Physical education in its sense is an educational process that utilizes physical activities to produce holistic changes in individual qualities, both in terms of physical, mental, and emotional. Education is a process of human development that lasts a lifetime and has a very important role, namely providing opportunities for students to be directly involved in various learning experiences (Hermawan & Nurcahyo, 2022). One of them is the learning process of Physical Education, Sports, and Health (PJOK) which is held at school.

Futsal is one of the sports that is increasingly popular among elementary school students. Futsal not only teaches technical skills, but also emphasizes the importance of teamwork, strategy, and speed of thought in dynamic game situations. Futsal is a team game consisting of 5 to 5, and the productivity of each goal in the match is very fast so sports are good for elementary school students. Winning or losing a futsal match is seen from the level of good or bad players and the strategic process in the match

(Khurrohman et al., 2021; Novianto & Nugraheningsih, 2021). Futsal learning among elementary school students is one of the challenges for PJOK teachers, this is because the techniques in futsal emphasize a high level of skill and physical condition.

In essence, futsal has similarities with football, one of which has the goal of winning the ball from the opponent's possession and inserting as many balls as possible, as well as maintaining the defense so that no goals are conceded and the winner is known from the total goals created (Daneshjoo et al., 2021; Suryadi et al., 2023). In the game of futsal, there are several skills that students must achieve, one of which is passing skills. Passing is a basic technique that is most often used in futsal games and has its difficulties for students because students with different backgrounds certainly have different motor mastery as well, therefore it is expected that in delivering material, a teacher must be creative so that students are not bored and interested in trying and doing passing (Andrianto et al., 2024; Syahrial et al., 2020).

Futsal is one of the lessons provided at BIAS Yogyakarta Elementary School which has become part of the physical education curriculum. However, mastering basic techniques such as passing is still a challenge for many students of BIAS Yogyakarta Elementary School. Passing is one of the basic skills in futsal that requires coordination, accuracy, and speed. Good passing technique is very important for the smooth running of the game and the effectiveness of attacks in futsal (Solihin, 2020). Therefore, an effective learning method is needed to improve students' mastery of passing techniques. One of the methods that has been widely researched and applied in sports learning is the Teams Games Tournament (TGT) method.

The Teams Games Tournament (TGT) method is part of cooperative learning that emphasizes cooperation between students in groups. In the team games tournament (TGT) method, students are divided into small teams and compete in tournaments. Each team member contributes to his or her team's score through active and collaborative participation in the game. This is by the results of research from (Rubiyatno et al., 2023), which states that the cooperative learning method of the tournament team game (TGT) type has a significant effect on the learning outcomes of football shooting. The TGT method is believed to increase student motivation because of the element of competition and fun cooperation.

BIAS Yogyakarta Elementary School is one of the private schools in Yogyakarta. This school is one of the educational institutions that strives to prepare students to be intelligent, skilled, devout, and noble, as well as develop to be more creative and independent. To be able to realize the vision and mission of this school has a commitment to improve the quality of education, by improving sports skills or skills, one of which is futsal. But in reality, learning is not an easy thing for students of BIAS Yogyakarta Elementary School to learn. There are still many students who have difficulty in doing passing techniques, this is because there are several factors, one of which is the weakness of the learning methods used and the lack of supporting facilities in mastering passing techniques in futsal sports.

The problems faced by the students of BIAS Yogyakarta Elementary School are inversely compared to the school's strong commitment to improving the quality of students' physical education and sports. The passing technique in futsal involves a series of movements that must be performed with good coordination between the eyes, feet, and the body as a whole (Ahmad & Yusuf, 2022). The accuracy and power of passing greatly affect the flow of the game and the effectiveness of the team's attack. Therefore, mastering passing techniques is the main focus of futsal training in elementary school. The Teams Games Tournament (TGT) method offers an interesting approach to teaching passing techniques. Using this method, students learn in small groups and participate in mini-tournaments. Students not only learn from teachers or coaches but also from their peers. This can create a dynamic and enjoyable learning environment, which in turn can increase student motivation and participation. The competition element in the TGT method can also encourage students to try harder to master the passing techniques taught (Fatmawati & Izadi, 2024).

This research is expected to provide new insights into how learning methods can be integrated to improve the quality of physical education, especially in teaching futsal in elementary schools. The findings of this study can also be the basis for the development of more effective and fun exercise programs, which not only improve students' technical skills but also foster students' interest and love for sports. Overall, efforts to improve the mastery of futsal passing techniques at BIAS Yogyakarta Elementary School through the Teams Games Tournament (TGT) method and by paying attention to students' learning motivation are important steps in improving the quality of physical education. With the right approach, it is hoped that students will not only become more skilled in playing futsal but also develop a positive attitude towards physical activity and sports throughout their lives.

## **Method**

This research method uses a type of quantitative research with a quasi-experimental approach through pre-test and post-test one-group design. The population in this study is all students of grade 6 elementary school BIAS Yogyakarta. The sample in this study is 10 students. The sample drawing technique in this study uses purposive sampling, with the following criteria: 1) students who actively participate in futsal extracurriculars, 2) students who are not sick, 3) students who are willing to follow the learning process, 4) able to follow the learning process that has been arranged. The data collection techniques in this study are tests and measurements. This research instrument is the Vernon A Crew futsal passing test, with a test validity value of 0.901, and a reliability value of 0.888. Furthermore, the researcher provided treatment with the TGT learning model for 8 weeks with 24 meetings. It ends with taking the final test score or post-test to find out the difference in results after being given treatment. The data analysis technique used was an independent sample t-test, followed by a paired sample t-test. Before the t-test, the prerequisite tests are first carried out, namely the normality test and the homogeneity test.

## **Results and Discussion**

### **Results**

The results of the research and discussion will be presented in order, including the Prerequisite Test for Normality and Homogeneity of Data, as well as the hypothesis test. The hypothesis test in this study will be presented by the formulation of the problem, namely: (a) The influence of the Teams Games Tournament (TGT) learning model on the mastery of passing techniques of elementary school students. In full it will be presented as follows:

#### **1. Prerequisite Test**

##### **a) Normality Test**

The data normality test in this study was carried out using the Shapiro-Wilk method. The results of the data normality test carried out in each analysis group were carried out with the SPSS software program version 22.0 for Windows with a significance level of 5% or 0.05. A summary is presented in Table 1 as follows.

Table 1. Summary of Normality Test Results

Group	P	Significance	Information
Pre-test Passing Futsal for Elementary School Students	0,814	0,05	Usual
Post-test Passing Futsal for Elementary School Students	0,421	0,05	Usual

Based on the statistical analysis of the normality test that has been carried out using the Shapiro-Wilk test, on all pretest and post-test passing data for elementary school students, the results of the normality test data have a significance value of  $p > 0.05$ , which means that the data is normally distributed.

#### b) Homogeneity Test

The results of the homogeneity test were to test the similarity of the variance of the pre-test and post-test data of the TGT learning model. Because the significance value is greater than 0.05 ( $p > 0.05$ ), it can be stated that the pre-test and post-test data of the Teams Games Tournament (TGT) learning model are homogeneous.

Table 2. Results of pre-test and post-test data homogeneity test results

Group	Variable	F Count	<i>p</i>	Information
Pre-test Passing Futsal for Elementary School Students	TGT Learning Model	0,257	0,631	Homogeneous
Post-Test Passing Futsal for Elementary School Students		0,601	0,571	Homogeneous

## 2. Results of Hypothesis Test

The research hypothesis test was carried out based on the results of data analysis and interpretation of the paired sample t-test analysis. The results of the hypothesis test adjusted to the hypothesis formulated previously, are as follows: "The hypothesis is that there is an influence of the Teams Games Tournament (TGT) learning model on the improvement of elementary school students' mastery of futsal passing" Based on the results of the analysis, the data in Table 3 was obtained as follows.

Table 3. Results of the Paired Sample t-test of the Teams Games Tournament (TGT) learning model

Data	Group	Mean	t count	<i>p</i>	Information
Passing Futsal for Elementary School Students	Pre-test	1,80	4,951	0,000	Significant
	Post-test	3,40			

Based on the results of the analysis of the Paired Sample t-test data Passing Futsal for Elementary School Students, a calculated t value of 4.951 was obtained with a significance value of 0.000. Because the significance value of 0.000 is smaller than 0.05 ( $p < 0.05$ ), it can be concluded that there is a significant difference in Passing Futsal for Elementary School Students at the time of pre-test and post-test. This means that there is a significant increase in the mastery of futsal passing techniques for elementary school students before and after being given treatment.

## Discussion

The discussion of the results of this study provides a further interpretation of the results of the data analysis that has been presented. Based on hypothesis testing, namely: there is an influence of the

TGT learning model on the improvement of mastery of futsal passing techniques of elementary school students. The discussion of the results of the analysis can be further explained as follows:

### **The Effect of the Teams Games Tournament (TGT) Learning Model on the Improvement of Mastery of Futsal Passing Techniques of Elementary School Students**

Based on hypothesis testing, it is known that there is an influence of the Teams Games Tournament (TGT) learning method and the command method on the mastery of futsal passing techniques of elementary school students. The Teams Games Tournament (TGT) method group is better for increasing the mastery of futsal passing techniques for elementary school students. These results are by the research Rubiyatno et al., (2023) which stated that there was a significant influence of the Teams Games Tournament (TGT) type cooperative learning method on the learning outcomes of students passing in football games. This is supported by previous research by Novritasari et al., (2022) who said that the Teams Games Tournament (TGT) learning method is effective in improving students' passing activities and learning outcomes. The Teams Games Tournament (TGT) method affects improving students' mastery of passing techniques because when doing the Teams Games Tournament learning method, it is influenced by the experience in the match such as students who often become champions and the desire to become champions in every match. The results of these observations support the opinion that the success of the implementation of the Team Games Tournament (TGT) learning method is greatly influenced by the heterogeneity of members in a group, both in terms of the level of skills, experience, ethnicity, gender, skills, communication, leadership, and the desire to fight for the team (Tolla & Ali, 2017).

According to Luo et al., (2020) stated that the Teams Games Tournament (TGT) method is an excellent learning method for students to develop the ability to control the passing of the ball, motivation, and learning outcomes. Mastery of futsal passing techniques plays a role in supporting students' skills in various ways. In addition, it can encourage students' motivational attitude so that students can complete their assignments very well. The existence of the Teams Games Tournament (TGT) method can help students develop movement skills and mastery of technical skills in futsal (Putra et al., 2018; Ramadaniaty et al., 2024).

The Teams Games Tournament (TGT) method can be used as an effort to help students develop mastery of futsal passing techniques. Previous research can be used as a reference and can support in conducting this research because it makes a positive contribution to developing students' mastery of passing techniques. The learning implications of the Teams Games Tournament (TGT) in addition to being able to develop the ability to master futsal passing techniques, students can also develop deep, psychomotor, learning outcomes, learning motivation and others. Thus, the Teams Games Tournament (TGT) method has a positive impact on the ability to master futsal passing techniques for elementary school students. This is because in the Teams Games Tournament method (TGT) emphasizes that students can work together to solve problems in learning and also together in carrying out learning activities. Susanti et al., (2023) stated that the impact of the application of the TGT learning method is the mastery of various social skills such as cooperation, collaboration, and respect that are indispensable for a team in the learning process. The Teams Games Tournament strategy in cooperative learning is a weapon in reviving learning that can make students play an active role from the beginning of learning to the end of learning (Kamaruddin & Yusoff, 2019; Syafrial, 2023).

The Teams Games Tournament (TGT) method to improve the mastery of futsal passing techniques in elementary school students is expected to be a teaching material for health education teachers in the learning process. The Teams Games Tournament (TGT) method for increasing mastery of futsal passing techniques has been adjusted to the stage of student development.

## Conclusion

Based on the results of the research and the results of the data analysis that has been carried out, the conclusion is that there is a significant influence between the Teams Games Tournament (TGT) method on increasing the mastery of futsal passing for students of BIAS Yogyakarta Elementary School.

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