

## ABSTRAK

Penelitian ini dilaksanakan dengan tujuan untuk mengetahui ada pengaruh positif penggunaan model pembelajaran kooperatif tipe *Teams Games Tournament* (TGT) terhadap keaktifan siswa dalam pembelajaran pada materi turunan fungsi aljabar di Kelas XI MIA SMA Swasta Primbana Medan Tahun Pelajaran 2018/2019, ada pengaruh positif penggunaan model pembelajaran kooperatif tipe *Teams Games Tournament* (TGT) terhadap kemampuan siswa dalam menyelesaikan soal pada materi turunan fungsi aljabar di Kelas XI MIA SMA Swasta Primbana Medan Tahun Pelajaran 2018/2019, ada pengaruh positif keaktifan siswa dalam pembelajaran pada materi turunan fungsi aljabar terhadap kemampuan siswa dalam menyelesaikan soal pada materi turunan fungsi aljabar dengan menggunakan model pembelajaran kooperatif tipe *Teams Games Tournament* (TGT) di Kelas XI MIA SMA Swasta Primbana Medan Tahun Pelajaran 2018/2019.

Penelitian ini menggunakan metode penelitian inferensial dengan pendekatan studi korelasional. Populasi dalam penelitian ini sebanyak 50 siswa dari 2 kelas XI MIA SMA Swasta Primbana Medan. Sampel berjumlah 24 siswa dengan teknik *Simple Random Sampling*. Alat pengumpulan data yang digunakan yakni angket untuk memperoleh data penggunaan model pembelajaran kooperatif tipe *Teams Games Tournament* (TGT), lembar observasi untuk memperoleh data keaktifan siswa dalam pembelajaran pada materi turunan fungsi aljabar, dan tes untuk memperoleh data kemampuan siswa dalam menyelesaikan soal pada materi turunan fungsi aljabar.

Dari hasil analisis data diperoleh bahwa ada pengaruh positif penggunaan model pembelajaran kooperatif tipe *Teams Games Tournament* (TGT) terhadap keaktifan siswa dalam pembelajaran, ada pengaruh positif penggunaan model pembelajaran kooperatif tipe *Teams Games Tournament* (TGT) terhadap kemampuan siswa dalam menyelesaikan soal, dan ada pengaruh positif keaktifan siswa dalam pembelajaran terhadap kemampuan siswa dalam menyelesaikan soal pada materi turunan fungsi aljabar dengan menggunakan model pembelajaran kooperatif tipe *Teams Games Tournament* (TGT) di Kelas XI MIA SMA Swasta Primbana Medan Tahun Pelajaran 2018/2019.

**Kata Kunci:** Kemampuan, Keaktifan, Penggunaan Model Kooperatif Tipe *Teams Games Tournament* (TGT), Korelasi, Turunan Fungsi Aljabar.

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This study was conducted with the aim of knowing there was a positive effect on the use of the cooperative learning model type Teams Games Tournament (TGT) on student activity in learning on algebraic function derivatives at XI MIA Primbana Medan Private High School 2018/2019, there was a positive effect on the use of the cooperative learning model type Teams Games Tournament (TGT) on students' ability to solve questions in the algebraic function derivative material at XI MIA Primbana Medan Private High School 2018/2019, there was a positive effect on student activeness in learning in the algebraic function material on students' ability to solve questions in the algebraic function derivative by using the cooperative learning model type Teams Games Tournament (TGT) at XI MIA Primbana Medan Private High School 2018/2019.

This study used a inferential research method with a correlational study approach. The population in this study were 50 students from 2 classes of XI MIA Primbana Medan Private High School. The sample is 24 students with simple random sampling technique. The data collection tool used was a questionnaire to obtain data on the use of cooperative learning model type Teams Games Tournament (TGT), observation sheets to obtain data on students 'activeness in solving questions in algebraic function derivative material, and tests to obtain data on students' ability to solve questions on the material derivative of algebraic functions.

Based on the results of data analysis, it was found that there was a positive effect on the use of the cooperative learning model type Teams Games Tournament (TGT) on student activity in learning, there was a positive effect on the use of the cooperative learning model type Teams Games Tournament (TGT) on students 'ability to solve questions, and there was a positive effect on student activity in learning on students' ability to solve questions in the algebra function derivative material using the cooperative learning type Teams Games Tournament (TGT) at XI MIA Primbana Medan Private High School 2018/2019.

**Key words: Ability, Activity, Use of Type Cooperative Models Teams Games Tournament (TGT), Correlation, Derivative Algebraic Functions**