

ABSTRAK

Syuzza Arifino, NIM 4192411012 (2023), Perbedaan Kemampuan Pemecahan Masalah Matematis Siswa Yang Menggunakan Model Pembelajaran Kooperatif tipe TPS dan STAD Berbantuan Autograph di SMP N 2 Deli Tua.

Penelitian ini bertujuan untuk melihat apakah terdapat perbedaan kemampuan pemecahan masalah matematis siswa yang menggunakan model pembelajaran kooperatif tipe TPS dan STAD berbantuan *Autograph* dan apakah ketuntasan klasikal kemampuan pemecahan masalah siswa yang diberi pembelajaran TPS lebih baik dari STAD. Desain penelitian ini menggunakan *two group design*. Subjek dalam penelitian ini adalah siswa kelas IX-5 dan IX-7 SMP Negeri 2 Deli Tua dengan jumlah 62 siswa. Pada penelitian ini diperoleh bahwa data berdistribusi normal dan juga homogen, dengan demikian untuk pengujian hipotesis dilakukan dengan uji-t. Berdasarkan hasil uji-t yang telah dilakukan diperoleh bahwa $t_{hitung} > t_{tabel}$ yaitu $3,784 > 2,000$. Sehingga dapat diambil kesimpulan bahwa H_0 ditolak dan H_a yang berarti bahwa terdapat perbedaan kemampuan pemecahan masalah matematis siswa yang menggunakan model pembelajaran kooperatif tipe Think Pair Share (TPS) dan model pembelajaran kooperatif tipe *Student Teams Achievement Division (STAD)* pada materi Transformasi Geometri di SMP Negeri 2 Deli Tua tahun ajaran 2023/2024.

Kata Kunci : Kooperatif Tipe *Think Pair Share*, Kooperatif Tipe *Student Teams Achievement Division*, Kemampuan Pemecahan Masalah Matematis

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ABSTRACT

Syuzza Arifino. NIM 4192411012 (2023). Differences in Students' Mathematical Problem Solving Abilities treated with TPS and STAD Autograph-Assisted Cooperative Learning Models at SMP N 2 Deli Tua.

This research aims to see whether there are differences in the mathematical problem solving abilities of students who use the TPS and STAD type cooperative learning models assisted by Autograph and whether the classical mastery of problem solving abilities of students who are given TPS learning is better than STAD. This research design uses a two group design. The subjects in this research were students in class IX-5 and IX-7 of SMP Negeri 2 Deli Tua with a total of 62 students. In this research, it was found that the data was normally distributed and also homogeneous, thus hypothesis testing was carried out using the t-test. Based on the results of the t-test that has been carried out, it is found that $t_{count} > t_{table}$ is $3,784 > 2,000$. So it can be concluded that H_0 is rejected and H_a yang means that there is a difference in the mathematical problem solving abilities of students who use the Think Pair Share (TPS) type cooperative learning model and the Student Teams Achievement Division (STAD) type cooperative learning model in Geometry Transformation material at SMP Negeri 2 Deli Tua for the 2023/2024 academic year.

Keywords : Cooperative Type Think Pair Share, Cooperative Type Student Teams Achievement Division, Mathematical Problem Solving Ability

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