

## ABSTRAK

**Dwi Pramuditya Putra, NIM 4193111008 (2024). Perbedaan Kemampuan Komunikasi Matematis Siswa yang Diajarkan dengan Model Pembelajaran Kooperatif Tipe Think Pair Share (TPS) dan Tipe Think Talk Write (TTW).**

Penelitian ini bertujuan untuk melihat perbedaan kemampuan komunikasi matematis siswa yang diajarkan menggunakan model pembelajaran kooperatif tipe *Think Talk Write* serta model pembelajaran kooperatif tipe *Think Pair Share* pada siswa kelas XI SMA Negeri 11 Medan T. A 2023/2024. Pada penelitian ini seluruh kelas XI dijadikan populasi, kemudian dipilih dua kelas secara acak yaitu kelas XI IPA 3 sebagai kelas eksperimen I dan kelas XI IPA 2 sebagai kelas eksperimen II untuk dijadikan sampel. Dalam penelitian ini kelas eksperimen I diberi perlakuan menggunakan model pembelajaran kooperatif tipe *Think Talk Write* (TTW) dan kelas eksperimen II diberi perlakuan menggunakan model pembelajaran kooperatif tipe *Think Pair Share* (TPS). Instrumen yang digunakan untuk penelitian ini berupa *post-test* yang berbentuk *essay* yang sudah divalidasi oleh ahli.

Kelas eksperimen I menghasilkan nilai rata-rata *post-test* sebesar 82,57 sedangkan kelas eksperimen II menghasilkan nilai rata-rata *post-test* 77,21. Berdasarkan hasil analisis ditemukan bahwa data *post-test* telah berdistribusi normal dan homogen. Setelah dilakukan uji hipotesis didapatkan  $t_{hitung}(4,648) > t_{tabel}(1,998)$ . Oleh karena itu  $H_0$  ditolak sedangkan  $H_a$  diterima sehingga bisa ditarik kesimpulan bahwa terdapat perbedaan yang signifikan antara kemampuan komunikasi matematis siswa yang diajarkan dengan menggunakan model pembelajaran kooperatif tipe *Think Talk Write* dengan siswa yang diajarkan dengan model pembelajaran kooperatif tipe *Think Pair Share*.

**Kata kunci :** Komunikasi, Model, Kooperatif, Eksperimen, Perbedaan.



## ABSTRACT

**Dwi Pramuditya Putra, NIM 4193111008 (2024). Differences In Students Mathematical Communication Ability Taught Using The Think Pair Share (TPS) and Think Talk Write (TTW) Cooperatif Learning Model.**

This research aims to see the differences in the mathematical communication abilities of students who are taught using the Think Talk Write type cooperative learning model and the Think Pair Share type cooperative learning model in class XI SMA Negeri 11 Medan T. A 2023/2024. In this study, all classes XI were used as the population, then two classes were randomly selected, namely class XI IPA 3 as experimental class I and class XI IPA 2 as experimental class II to be used as samples. In this research, the experimental class I was taught using the Think Talk Write (TTW) cooperative learning model and the II experimental class was taught using the Think Pair Share (TPS) cooperative learning model. The instrument used for this research is a post-test in the form of an essay which has been validated by experts.

The average post-test score for experimental class I was 82.57 while the average post-test score for experimental class II was 77.21. Based on the analysis results, it was found that the post-test data had a normal and homogeneous distribution. After testing the hypothesis, it was found that  $t\text{-count} (4.648) > t\text{-table} (1.998)$ . So  $H_0$  is rejected and  $H_a$  is accepted so that it can be concluded that there is a significant difference between the mathematical communication skills of students taught using the Think Talk Write type cooperative learning model and students taught using the Think Pair Share type cooperative learning model.

**Keywords :** Comunnication, Model, Cooperatif, Experiment, Differences.