

ABSTRAK

Ananda Putri Khairunnisa, NIM 4211111033 (2025). *Pengaruh Model Pembelajaran Kooperatif Tipe Numbered Head Together (NHT) terhadap Kemampuan Komunikasi Matematis Siswa MAN 1 Medan.*

Penelitian ini bertujuan untuk menganalisis pengaruh model pembelajaran kooperatif tipe *Numbered Heads Together* (NHT) terhadap kemampuan komunikasi matematis siswa kelas X di MAN 1 Medan. Penelitian ini menggunakan pendekatan kuantitatif dengan desain quasi-experiment tipe nonequivalent control group design. Subjek penelitian terdiri atas kelompok eksperimen sebanyak 36 siswa dan kelompok kontrol sebanyak 34 siswa. Instrumen pengumpulan data berupa tes kemampuan komunikasi matematis melalui pretest dan posttest. Data dianalisis menggunakan uji independent sample t-test setelah memenuhi uji normalitas dan homogenitas. Hasil penelitian menunjukkan bahwa rata-rata skor posttest kelompok eksperimen sebesar 84,88 lebih tinggi dibandingkan kelompok kontrol sebesar 80,47. Hasil uji-t menunjukkan nilai signifikansi sebesar $0,017 < 0,05$ sehingga H_a diterima. Nilai effect size Cohen's d sebesar 0,5857 berada pada kategori efek sedang. Dengan demikian, dapat disimpulkan bahwa model pembelajaran kooperatif tipe *Numbered Heads Together* (NHT) berpengaruh positif dan signifikan terhadap peningkatan kemampuan komunikasi matematis siswa kelas X di MAN 1 Medan.

Kata kunci: Kemampuan komunikasi matematis, Pembelajaran kooperatif, *Numbered Heads Together*.

ABSTRACT

Ananda Putri Khairunnisa, NIM 4211111033 (2025). *The Impact of the Numbered Head Together (NHT) Cooperative Learning Model on Mathematical Communication Skills of Students at MAN 1 Medan*

This study aims to analyze the effect of the Numbered Heads Together (NHT) cooperative learning model on the mathematical communication skills of tenth-grade students at MAN 1 Medan. This study uses a quantitative approach with a quasi-experimental design of the nonequivalent control group design. The research subjects consisted of an experimental group of 36 students and a control group of 34 students. The data collection instrument was a mathematical communication ability test through a pretest and posttest. Data were analyzed using an independent sample t-test after fulfilling the normality and homogeneity tests. The results showed that the average posttest score of the experimental group was 84.88, higher than the control group of 80.47. The t-test results showed a significance value of $0.017 < 0.05$ so that H_a was accepted. The Cohen's d effect size value of 0.5857 was in the medium effect category. Thus, it can be concluded that the Numbered Heads Together (NHT) cooperative learning model has a positive and significant effect on improving the mathematical communication skills of tenth-grade students at MAN 1 Medan.

Keywords: Cooperative learning, Numbered Heads Together, mathematical communication skill

