

ABSTRAK

Dinda Ayu Afrilyani Siregar, NIM 4171111015 (2024). Penerapan Model Pembelajaran Kooperatif Tipe *Numbered Heads Together* (NHT) Untuk Meningkatkan Kemampuan Komunikasi Matematis Siswa SMP.

Penelitian ini bertujuan untuk mengetahui penerapan model pembelajaran kooperatif tipe *Numbered Heads Together* (NHT) dalam meningkatkan kemampuan komunikasi matematis siswa MTs Kesuma LKMD Namorambe. Subjek penelitian adalah siswa kelas VIII A MTs Kesuma LKMD dengan jumlah siswa 36 orang yang terdiri dari 20 orang laki-laki dan 16 orang perempuan. Penelitian ini merupakan penelitian tindakan kelas (PTK). Instrumen penelitian yang digunakan adalah Lembar Observasi, Tes, dan Dokumentasi. Berdasarkan hasil penelitian, penerapan model pembelajaran kooperatif tipe *Numbered Heads Together* (NHT) dengan materi Sistem persamaan linear dua variabel (SPLDV) dapat meningkatkan kemampuan komunikasi matematis siswa dengan peningkatan presentase ketuntasan belajar mencapai 80%. Presentase ketuntasan kemampuan komunikasi matematis siswa sebelum dilakukan tindakan mencapai 13,89% dengan rata-rata 46,53. Setelah dilakukan tindakan siklus I menunjukkan adanya peningkatan kemampuan komunikasi matematis siswa yaitu 63,89% dengan rata-rata kemampuan siswa 63,97. Hasil tersebut belum mencapai indikator keberhasilan yaitu 80% siswa memperoleh nilai ≥ 70 . Sehingga penelitian dilanjutkan pada siklus II. Pada siklus II kemampuan komunikasi matematis siswa meningkat dengan presentase ketuntasan mencapai 86,11% dengan rata-rata 80,02. Hasil tersebut sudah memenuhi indikator keberhasilan yang ditetapkan yaitu 80% siswa telah mendapat nilai minimal 70.

Kata Kunci : *Numbered Heads Together* (NHT), Kemampuan komunikasi matematis

ABSTRACT

Dinda Ayu Afrilyani Siregar, NIM 4171111015 (2024). Application of Numbered Heads Together (NHT) Cooperative Learning Model to Improve Mathematical Communication Skills of Junior High School Students.

This study aims to determine the application of the Numbered Heads Together (NHT) type cooperative learning model in improving the mathematical communication skills of MTs Kesuma LKMD Namorambe students. The research subjects were students of class VIII A MTs Kesuma LKMD with a total of 36 students consisting of 20 boys and 16 girls. This research is a class action research (PTK). The research instruments used are observation sheets, tests, and documentation. Based on the results of the study, the application of the Numbered Heads Together (NHT) type cooperative learning model with the material of the System of linear equations of two variables (SPLDV) can improve students' mathematical communication skills with an increase in the percentage of learning completeness reaching 80%. The percentage of completeness of students' mathematical communication skills before the action was taken reached 13.89% with an average of 46.53. After the first cycle of action, it showed an increase in students' mathematical communication skills, namely 63.89% with an average student ability of 63.97. These results have not yet reached the success indicator of 80% of students scoring ≥ 70 . So the research continued in cycle II. In cycle II, students' mathematical communication skills increased with the percentage of completeness reaching 86.11% with an average of 80.02. These results have met the success indicators set, namely 80% of students have scored at least 70.

Keywords: Numbered Heads Together (NHT), Mathematical communication skills