

**PENGARUH MODEL PEMBELAJARAN KOOPERATIF TIPE
NUMBERED HEADS TOGETHER BERBASIS MIND MAPPING
TERHADAP HASIL BELAJAR FISIKA SISWA KELAS XI
SMA NEGERI 2 BANJAR**

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ABSTRAK

Penelitian ini bertujuan mendeskripsikan perbedaan hasil belajar antara siswa yang belajar menggunakan model pembelajaran kooperatif tipe *Numbered Heads Together* (NHT) berbasis *mind mapping* dengan siswa yang belajar dengan model pembelajaran konvensional. Jenis penelitian ini adalah *quasi experiment* dengan rancangan *pretest-posttest control group design*. Populasi penelitian ini adalah seluruh siswa kelas XI SMA Negeri 2 Banjar Tahun Pembelajaran 2022/2023 berjumlah 130 siswa. Pilihan sampel dilakukan dengan teknik *random assignment* berjumlah 63 siswa. Data hasil belajar fisika siswa dikumpulkan dengan tes pilihan ganda. Data dianalisis secara deskriptif dan uji hipotesis dengan uji ANAKOVA satu jalur. Pengujian hipotesis dilakukan pada taraf signifikansi sebesar 5 %. Hasil penelitian menunjukkan rata-rata nilai hasil belajar siswa pada kelas eksperimen 72,50 dengan kualifikasi tinggi, SD 11,21 dan rata-rata nilai hasil belajar siswa kelas kontrol adalah 52,26 dengan kualifikasi cukup, SD 12,17. Hasil belajar siswa yang belajar dengan model kooperatif tipe NHT lebih tinggi dari model pembelajaran konvensional (LSD:4,56). Simpulan penelitian ini adalah terdapat perbedaan hasil belajar fisika siswa antara siswa yang belajar dengan model kooperatif tipe *Numbered Heads Together* berbasis *mind mapping* dengan siswa yang belajar dengan model konvensional ($F^* = 40.514$; $p < 0,05$). Hasil belajar fisika siswa dengan model kooperatif tipe *Numbered Heads Together* berbasis *mind mapping* lebih baik dibandingkan dengan siswa yang belajar menggunakan model belajar konvensional dalam meningkatkan hasil belajar siswa.

Kata kunci: kooperatif tipe NHT, model konvensional, hasil belajar

THE EFFECT OF COOPERATIVE LEARNING MODEL OF NUMBERED HEADS TOGETHER TYPE BASED ON MIND MAPPING ON PHYSICS LEARNING OUTCOMES OF XI CLASS STUDENTS OF PUBLIC HIGH SCHOOL 2 BANJAR

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ABSTRAK

This study aims to describe the differences in learning outcomes between students who learn using a cooperative learning model called Numbered Heads Together (NHT) based on mind mapping and students who learn with conventional learning models. This type of research is a quasi-experiment with a pretest-posttest control group design. The population of this study were all students in grade XI of SMA Negeri 2 Banjar in the 2022–2023 academic year, totaling 130 students. The sample selection was done using the random assignment technique, totaling 63 students. Data on students' physics learning outcomes were collected with multiple-choice tests. Data were analyzed descriptively and hypothesized with a one-way ANOVA test. Hypothesis testing was carried out at a significance level of 5%. The results showed that the average value of student learning outcomes in the experimental class was 72.50 with high qualifications, SD 11.21, and the average value of student learning outcomes in the control class was 52.26 with sufficient qualifications, SD 12.17. The learning outcomes of students who studied with the NHT-type cooperative model were higher than the conventional learning model (LSD: 4.56). The conclusion of this study is that there is a difference in physics learning outcomes between students who learn with the cooperative model of Numbered Heads Together based on mind mapping and students who learn with the conventional model ($F^ = 40.514$; $p < 0.05$). The physics learning outcomes of students using the Numbered Heads Together cooperative model based on mind mapping are better than those of students who learn using conventional learning models.*

Keyword: kooperatif tipe NHT, model konvensional, hasil belajar