

## ABSTRAK

Siti Nur Hidayah. K1514068. **PERBANDINGAN METODE PEMBELAJARAN *NUMBER HEAD TOGETHER* (NHT) DAN *STUDENT TEAMS ACHIEVEMENT DIVISION* (STAD) TERHADAP PRESTASI BELAJAR MATA PELAJARAN MEKANIKA TEKNIK PADA SISWA KELAS X KOMPETENSI KEAHLIAN DESAIN PEMODELAN DAN INFORMASI BANGUNAN (DPIB) DI SMK NEGERI 5 SURAKARTA TAHUN AJARAN 2017/2018**. Skripsi, Surakarta : Fakultas Keguruan dan Ilmu Pendidikan Universitas Sebelas Maret Surakarta.

Penelitian ini bertujuan untuk mengetahui Perbandingan Hasil Belajar dan Efektivitas Proses Pembelajaran Antara Siswa Dengan Metode Pembelajaran *Number Head Together* (NHT) dibandingkan *Student Teams Achievement Division* (STAD) terhadap hasil belajar siswa ranah pengetahuan dan keterampilan Mata Pelajaran Mekanika Teknik Siswa Kelas X DPIB di SMK Negeri 5 Surakarta.

Penelitian ini termasuk kuantitatif dengan menggunakan rancangan penelitian eksperimen semu. Desain penelitian ini menggunakan *Nonequivalent Control Group Design* dengan kelas eksperimen 1 menerapkan metode pembelajaran Pembelajaran *Number Head Together* (NHT) sedangkan kelas eksperimen 2 menerapkan *Student Teams Achievement Division* (STAD). Populasi penelitian adalah seluruh siswa kelas X Desain Pemodelan dan Informasi Bangunan SMK Negeri 5 Surakarta. Teknik pengambilan sampel dengan menggunakan teknik *Simple Random Sampling*, sehingga diperoleh kelas X DPIB A sebagai kelompok eksperimen 1 dan X DPIB B sebagai kelompok eksperimen 2. Teknik pengumpulan data menggunakan tes dan lembar observasi. Analisis data menggunakan menggunakan uji-t.

Bedasarkan hasil penelitian adalah sebagai berikut. Metode pembelajaran *Number Head Together* (NHT) lebih efektif dibandingkan metode pembelajaran *Student Teams Achievement Division* (STAD) ditinjau dari hasil rata-rata nilai *posttest*. Sedangkan hasil uji t yang diperoleh menghasilkan kemampuan pengetahuan ( $t_{hitung} 3,8070 > t_{tabel} 1,6686$  dan ketrampilan ( $t_{hitung} 2,6620 > t_{tabel} 1,6686$ ) sehingga menunjukkan bahwa terdapat perbedaan yang signifikan antara Metode Pembelajaran *Number Head Together* (NHT) dibandingkan *Student Teams Achievement Division* (STAD) terhadap hasil belajar ranah pengetahuan dan keterampilan Mata Pelajaran Mekanika Teknik pada siswa kelas X DPIB Di SMK Negeri 5 Surakarta.

Kata Kunci: Metode Pembelajaran *Number Head Together* (NHT), *Student Teams Achievement Division* (STAD) dan Hasil Belajar Mekanika Teknik

## ABSTRACT

Siti Nur Hidayah. K1514068. COMPARISON OF LEARNING METHOD NUMBER HEAD TOGETHER (NHT) AND STUDENT TEAMS ACHIEVMENT DIVISION (STAD) AGAINST THE ACHIEVEMENTS OF LEARNING SUBJECTS ON ENGINEERING MECHANICS GRADE X COMPETENCE SKILL BUILDING INFORMATION METODEDEING AND DESIGN (DPIB) IN CMS The LAND of 5 ACADEMIC YEAR 2017/2018 of SURAKARTA. Surakarta: thesis, Faculty of teacher training and educational sciences of the Sebelas Maret Surakarta University.

This research aims to know the results of the study and comparison of the effectiveness of the process of learning Among students with a Learning Method Number Head Together (NHT) compared Student Teams Achievement Division (STAD) of student learning outcomes the realm of knowledge and skills of the subjects of the Engineering Mechanics Grade X DPIB at SMK Negeri 5.

This research included quantitative research design using pseudo experiments. The design of this research use the Nonequivalent Control Group Design experimental class 1 applying the learning learning method Number Head Together (NHT) while the experimental class 2 applying Student Teams Achievement Division (STAD). The population of the research was the whole grade X Building Information Metodeing and design of SMK Negeri 5. Sampling techniques using Simple Random Sampling, so the retrieved class X DPIB A as a group of experiments 1 and X DPIB B as the Group wants 2. Data collection techniques using tests and observation sheets. Hypothesis test using the test-t.

Based on the results of the study are as follows. The learning method Number Head Together (NHT) is more effective than learning Student Teams Achievement Division (STAD) reviewed the results of the average value of the posttest. While the results of the test t obtained yield ability of knowledge ( $t$  calculate  $3.8070 > t$  table  $1.6686$  and skills ( $t$  \_ count  $2.6620 > t$  \_  $1.6686$  table) so that it indicates that there is a significant difference between the Method of learning Number Head Together (NHT) compared Student Teams Achievement Division (STAD) against the results of the study the realm of knowledge and skills in Engineering Mechanics Subjects grade X DPIB At SMK Negeri 5 Surakarta.

Keywords: Learning Method Number Head Together (NHT), Student Teams Achievement Division (STAD) and the results of Study of Engineering Mechanics

