

PENERAPAN MODEL PEMBELAJARAN *NUMBERED HEAD TOGETHER* (NHT) TERHADAP MOTIVASI DAN PRESTASI BELAJAR SISWA KELAS X MAN 4 SLEMAN PADA MATERI POKOK TATA NAMA SENYAWA DAN PERSAMAAN REAKSI

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INTISARI

Tujuan penelitian ini untuk mengetahui perbedaan motivasi dan prestasi belajar antara siswa yang diberi pembelajaran model *Numbered Head Together* (NHT) dengan siswa yang diberi pembelajaran model konvensional pada materi tata nama senyawa dan persamaan reaksi. Penelitian ini merupakan penelitian eksperimen menggunakan *Quasi Experimental Design* yaitu *Posttest Only With Nonequivalent Group Design*. Populasi penelitian adalah seluruh siswa kelas X MAN 4 Sleman Yogyakarta Tahun Ajaran 2017/2018 yaitu 3 (tiga) kelas. Sampel dalam penelitian ini diambil dengan teknik *purposive sampling* sebanyak 2 (dua) kelas. Pengumpulan data menggunakan metode non tes (lembar angket) untuk data motivasi belajar dan metode tes (soal pilihan ganda) untuk data prestasi belajar ranah pengetahuan. Teknik analisis data dalam penelitian ini menggunakan uji *Mann Whitney*. Berdasarkan hasil penelitian dapat disimpulkan: (1) Ada perbedaan motivasi belajar yang signifikan antara siswa yang mengikuti pembelajaran model NHT dengan siswa yang mengikuti pembelajaran model konvensional pada materi tata nama senyawa dan persamaan reaksi. (2) Ada perbedaan prestasi belajar yang signifikan antara siswa yang mengikuti pembelajaran model NHT dengan siswa yang mengikuti pembelajaran model konvensional pada materi tata nama senyawa dan persamaan reaksi.

Kata kunci: Model NHT, Motivasi Belajar, Prestasi Belajar, Tata Nama Senyawa, Persamaan Reaksi.

**THE IMPLEMENTATION OF NUMBERED HEAD TOGETHER (NHT)
LEARNING MODEL MOTIVATION AND STUDENT
ACHIEVEMENT OF CLASS X AT MAN 4 SLEMAN
IN NOMENCLATURE OF COMPOUNDS
AND REACTION EQUATIONS**

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ABSTRACT

The aim of this research was knowing the difference of motivation and student achievement between students who were given Numbered Head Together (NHT) with students who given conventional learning model the learning model in nomenclature of compounds and reaction equations. This research was an experimental research of Quasi Experimental Design was Posttest Only with Nonequivalent Group Design. Population of this research was all class X students in three (3) classes at MAN 4 Sleman Yogyakarta academic year in 2017/2018. The sample of this research was taken by purposive sampling technique in two (2) classes. Data collected with non-test method (questionnaire sheet) as data of motivation and test method (multiple choice questions) as data of achievement for knowledge. Analysis data technique of this research was using Mann Whitney test. Based on the result of this research were it can be concluded that: (1) There was a significant difference in motivation for students who join NHT learning with students who given conventional learning model in nomenclature of compounds and reaction equations. (2) There is a significant difference in learning achievement between students who given NHT learning with students who given conventional learning in nomenclature of compounds and reaction equations.

Key words : NHT Model, Motivation for Studying, Achievement for Studying, Nomenclature of Compounds, Reaction Equations.