

## **ABSTRAK**

**Dewi Puspa Ningrum, 081414098. 2012. Efektivitas Penerapan Model Pembelajaran Kooperatif Tipe Numbered Heads Together terhadap Motivasi dan Prestasi Belajar Siswa pada Pokok Bahasan Jajargenjang dan Belah Ketupat di Kelas VII Freedom SMP Joannes Bosco Yogyakarta. Skripsi. Program Studi Pendidikan Matematika, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma, Yogyakarta.**

Penelitian ini bertujuan untuk mengetahui efektivitas penerapan model pembelajaran kooperatif tipe *Numbered Heads Together* dalam menumbuhkan motivasi belajar siswa dan peningkatan prestasi belajar siswa pada pokok bahasan jajargenjang dan belah ketupat di kelas VII *Freedom* SMP Joannes Bosco Yogyakarta tahun ajaran 2011/2012.

Subjek penelitian ini adalah siswa kelas VII *Freedom* SMP Joannes Bosco Yogyakarta tahun ajaran 2011/2012. Penelitian ini menggunakan jenis penelitian deskriptif kuantitatif-kualitatif. Instrumen penelitian yang digunakan dalam pengumpulan data terdiri dari: (1) Lembar pengamatan motivasi belajar siswa, (2) Kuesioner motivasi belajar siswa, (3) Lembar wawancara motivasi belajar siswa, (4) Tes prestasi siswa yang terdiri dari *pre test* dan *post test*. (5) Alat dokumentasi. Data hasil pengamatan dan kuesioner motivasi belajar siswa dianalisis secara kuantitatif dengan menentukan skor total dan persentase yang diperoleh masing-masing siswa, kemudian berdasarkan hasil persentase tersebut ditentukan kriteria motivasi belajar siswa secara individu maupun keseluruhan. Data hasil wawancara dan dokumentasi dianalisis secara deskriptif kualitatif sebagai penguatan dari hasil pengamatan dan kuesioner motivasi belajar siswa. Data tes prestasi yaitu hasil *pre test* dan *post test* dianalisis menggunakan uji *t* untuk mengetahui peningkatan prestasi belajar siswa.

Hasil penelitian menunjukkan bahwa (1) Penerapan model pembelajaran kooperatif tipe *Numbered Heads Together* efektif dalam menumbuhkan motivasi belajar siswa. Hal tersebut ditunjukkan dari hasil analisis pengamatan dan kuesioner motivasi belajar siswa yang secara keseluruhan dalam kriteria tinggi. (2) Penerapan model pembelajaran kooperatif tipe *Numbered Heads Together* efektif dalam meningkatkan prestasi belajar siswa. Hasil analisis skor *pre test* dan *post test* dengan perhitungan uji *t* diperoleh  $t_{hitung} = 5,17$ ,  $t_{tabel} = 2,086$  dan  $t_{hitung} > t_{tabel}$ , sehingga dapat disimpulkan bahwa ada peningkatan prestasi belajar siswa yang signifikan.

**ABSTRACT**

**Dewi Puspa Ningrum, 081414098. 2012. *The Effectiveness of The Application of Cooperative Learning Model Type Numbered Heads Together to Students Motivation and Achievement from The Subject Parallelogram and Rhombus in Class VII Freedom Joannes Bosco Junior High School Yogyakarta.* Thesis. Mathematics Education Study Program, Faculty of Teachers Training and Education, Sanata Dharma University, Yogyakarta.**

This research aims to know the effectiveness of the application of cooperative learning model type Numbered Heads Together in fostering students motivation and the improvement of student achievement in the subject of the parallelogram and rhombus in class VII Freedom Joannes Bosco Junior High School Yogyakarta academic year 2011/2012.

The subject of this research was seventh grade Freedom students of Joannes Bosco Junior High School Yogyakarta academic year 2011/2012. This research applied quantitative-qualitative descriptive research. Research instruments used in data collection, consist of: (1) Students motivation observation sheet, (2) Students motivation questionnaire, (3) Students motivation interview sheet, (4) Students academic achievement tests in the form of pre test and post test, and (5) documentation tools. Data of students motivation observations and questionnaires were analyzed quantitatively by determining the total score and the percentage of the students motivation individually and overall. Data of interviews and documentation were analyzed qualitative descriptively as the strengthening of the result of students motivation observations and questionnaires. Data of academic achievement tests are the results of pre test and post test were analyzed using *t* test to know enhancement of students academic achievement.

The result of the research showed that (1) The application of cooperative learning model type Numbered Heads Together was effective to fostering students motivation. It was shown from the result of observation and questionnaires that students motivation in the overall height criteria. (2) The application of cooperative learning model type Numbered Heads Together was effective to improving student achievement. The results from analysis of score pre test and post test with *t* test calculations obtained  $t_{count} = 5,17$ ,  $t_{table} = 2,086$ , and  $t_{count} > t_{table}$ . Therefore, it can be conclude that there was enhancement of students academic achievement is significant