

ABSTRAK

Regina Ditya Ardhiana. 2012. Keaktifan dan Hasil Belajar dalam Penerapan Model Pembelajaran Kooperatif tipe *Numbered Heads Together* (NHT) pokok bahasan Teorema Pythagoras pada Siswa-siswi kelas VIII B Semester Gasal Tahun Ajaran 2012/ 2013 SMP Tarakanita Magelang. Skripsi. Program Studi Pendidikan Matematika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma Yogyakarta.

Penelitian ini bertujuan untuk mengetahui penerapan model pembelajaran kooperatif tipe *Numbered Heads Together* (NHT), keaktifan dan hasil belajar siswa dalam proses pembelajaran. Penelitian ini digolongkan dalam jenis penelitian deskriptif kualitatif dibantu dengan kuantitatif. Penelitian dilaksanakan pada semester gasal tahun ajaran 2012/ 2013 pada pokok bahasan Teorema Pythagoras. Subyek dalam penelitian ini adalah guru dan siswa-siswi kelas VIII B SMP Tarakanita Magelang yang berjumlah 35 siswa.

Instrumen dalam penelitian ini meliputi instrumen pembelajaran berupa Rencana Pelaksanaan Pembelajaran (RPP) beserta lembar kerja siswa (LKS) dan instrumen pengumpulan data berupa non tes meliputi lembar pengamatan keterlaksanaan RPP, lembar pengamatan keaktifan, wawancara, dan tes meliputi Tes Kemampuan Awal (TKA), kuis, Tes Evaluasi (TE). Sebelum digunakan, semua instrumen dilakukan pertimbangan pakar atau uji butir dan dinyatakan sudah memenuhi syarat yang ditetapkan.

Hasil penelitian menunjukkan bahwa (1) Penerapan model pembelajaran kooperatif tipe *Numbered Heads Together* (NHT) telah dan dapat terlaksana dengan baik dengan persentase keterlaksanaan keseluruhan sebesar 94,45%. (2) Keaktifan siswa dalam model pembelajaran kooperatif tipe *Numbered Heads Together* (NHT) adalah cukup aktif. Hal ini dapat dilihat dari persentase keaktifan terbesar terdapat pada kriteria sedang (S) yaitu 42,86%, sedangkan pada kriteria tinggi (T) sebesar 28,57%, dan kriteria rendah (R) sebesar 28,57%. Keaktifan pada penelitian ini meliputi keaktifan lisan berupa mengajukan pertanyaan, menjawab pertanyaan, mengemukakan pendapat, dan menanggapi pendapat, keaktifan menulis berupa mengerjakan tugas/ soal, dan keaktifan mental berupa diskusi. (3) Hasil belajar siswa dalam model pembelajaran kooperatif tipe *Numbered Heads Together* (NHT) meningkat. Hal ini dapat dilihat dari hasil rata-rata nilai Tes Kemampuan Awal (TKA) yaitu 41,52 dan rata-rata nilai Tes Evaluasi (TE) yaitu 62,12 menunjukkan bahwa terdapat kenaikan 20,6. Serta persentase Tes Evaluasi (TE) terbesar terdapat pada kriteria tinggi (T) sebesar 39,40%, sedangkan pada kriteria sedang (S) sebesar 30,30%, dan rendah (R) sebesar 30,30%.

Kata kunci: *Numbered Heads Together* (NHT), keaktifan, hasil belajar, Teorema Pythagoras

ABSTRACT

Regina Ditya Ardhiana. 2012. The Activeness and Learning Result of The Main Subject of Pythagorean Theorem Using The Application of Cooperative Learning Model type Numbered Heads Together (NHT) of the VIII B Students, Gasal Semester 2012/ 2013 Academic Year in SMP Tarakanita Magelang. Thesis. Mathematics Education Study Program, Department of Mathematics Education and Science, Faculty of Teacher Training and Educational Science, Sanata Dharma University in Yogyakarta.

This research is aimed to know the application of cooperative learning model types Numbered Heads Together (NHT), student`s activeness and learning result in learning process. This research is classified of descriptive-qualitative research supported with quantitative research. The research had been done in Gasal semester 2012/ 2013 academic year of the main subject Pythagorean Theorem. The subjects in this research are teacher and the students of class VIII B in SMP Tarakanita Magelang an there are 35 students in the class.

Instrument in this research include of learning instruments such as the learning lesson plan (RPP) and the student worksheet (LKS) and data collection instruments such as non tests include the realization of lesson planning observation sheets, activeness observation sheets, interviews, and test intruments include the beginning competency test (TKA), quizzes, evaluation test (TE). Prior to the use in the research, all instruments were expert judgement or item validation an then all intruments are considered passing the required condition.

The results of this research show that (1) The application of cooperative learning model type Numbered Heads Together (NHT) has been and can be done well with the overall percentage the realization of lesson planning is 94,45%. (2) Student`s activeness in cooperative learning model types Numbered Heads Together (NHT) is medium. It can be seen from the greatest activeness percentage that shown from medium criteria (S) is 42,86%, while the high criteria (T) of 28,57%, and low criteria (R) of 28,57%. The activeness in this research include oral activity in the form of asking questions, answering questions, express opinions, and respond to the opinion, writing activity in the form of tasks / problems, and mental activity is discussion. (3) The student`s learning results in cooperative learning model types Numbered Heads Together (NHT) increases. It can be seen from the results of the average value of the beginning competency test (TKA) is 41,52 and the average evaluation test (TE) is 62,12 indicates that there is an increase 20,6. The greatest evaluation test percentage in high criteria (T) of 39,40%, while the medium criteria (S) of 30,30%, and low criteria (R) of 30,30%.

Keywords: Numbered Heads Together (NHT), activeness, learning result, Pythagorean Theorem