

## ABSTRAK

**Antonius Herman Priyanto.** 2013. Keterlibatan Siswa dalam Penerapan Model Pembelajaran Kooperatif Tipe *Student Teams Achievement Divisions* (STAD) dengan Memanfaatkan Program *GeoGebra* untuk Meningkatkan Hasil Belajar Siswa pada Pokok Bahasan Teorema Pythagoras di Kelas VIII A SMP BOPKRI 1 Yogyakarta. 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 *Student Teams Achievement Divisions* (STAD), tingkat keterlibatan dan hasil belajar siswa. Penelitian ini tergolong ke dalam jenis penelitian kualitatif deskriptif dibantu dengan kuantitatif. Penelitian dilaksanakan pada semester ganjil tahun ajaran 2013/2014 dengan pokok bahasan teorema Pythagoras. Subjek dalam penelitian ini adalah siswa-siswi kelas VIII A SMP BOPKRI 1 Yogyakarta yang berjumlah 22 siswa.

Instrumen dalam penelitian ini meliputi instrumen pembelajaran berupa Rencana Pelaksanaan Pembelajaran (RPP), lembar kerja siswa (LKS) dan instrumen pengumpulan data berupa non tes meliputi lembar pengamatan keterlaksanaan RPP, lembar pengamatan keterlibatan siswa, wawancara, dan tes meliputi Tes Kemampuan Awal (TKA), kuis, Tes Evaluasi (TE). Sebelum digunakan, semua instrumen telah divalidasi baik dengan uji pakar maupun uji butir. Setelah melalui tahap validasi, dinyatakan bahwa semua instrumen memenuhi syarat yang ditetapkan.

Hasil penelitian menunjukkan bahwa (1) Penerapan model pembelajaran kooperatif tipe *Student Teams Achievement Divisions* (STAD) telah dan dapat berjalan dengan baik dengan persentase rata-rata keterlaksanaan RPP sebesar 95,45%. (2) Tingkat keterlibatan siswa dalam model pembelajaran kooperatif tipe *Student Teams Achievement Divisions* (STAD) tergolong tinggi. Hal ini dapat dilihat dari persentase hasil keterlibatan siswa dalam kelompok, sebesar 27,28% kelompok memiliki tingkat keterlibatan Tinggi Sekali (TS), 22,72% kelompok tingkat keterlibatannya Tinggi (T), 27,28% kelompok tingkat keterlibatannya Rendah (R) dan 22,72% kelompok tingkat keterlibatannya Rendah Sekali (RS).(3) Hasil belajar siswa dalam model pembelajaran kooperatif tipe *Student Teams Achievement Divisions* (STAD) meningkat. Hal ini dapat dilihat dari hasil rata-rata nilai Tes Kemampuan Awal (TKA) yaitu 57,45 dan rata-rata nilai Tes Evaluasi (TE) yaitu 76,77 menunjukkan bahwa terdapat kenaikan 19,32. Serta Tes Evaluasi (TE) terbesar terdapat pada kriteria Tinggi Sekali (TS) yaitu sebesar 45,45%, kriteria Tinggi (T) sebesar 22,72%, kriteria Sedang (S) sebesar 18,18%, sedangkan pada kriteria Rendah (R) sebesar 4,55% dan kriteria Rendah Sekali (RS) sebesar 9,1%.

Kata kunci : *Student Teams Achievement Divisions* (STAD), Keterlibatan, Hasil Belajar, Teorema Pythagoras

## **ABSTRACT**

**Antonius Herman Priyanto, 2013. Students Involvement in Application of Cooperative Learning Model Type Student Teams Achievement Divisions (STAD) by Utilizing GeoGebra Program to Improve Learning Result of Students in main subject: Pythagorean Theorem in Class VIII A SMP BOPKRI 1 Yogyakarta. Thesis. Mathematics Education Study Program, Department of Mathematics Education and Science, Faculty of Teacher Training and Educational Science Sanata Dharma University, Yogyakarta.**

This research is aimed to know the learning process, the involvement level of students in the cooperative learning model Student Teams Achievement Divisions (STAD), student's involvement and learning result in learning process. This research is classified into descriptive-qualitative research with quantitative assisted. This research had been done on the first semester of the academic year 2013/2014 with the main subject: Pythagorean theorem. The subjects of this research are the students of Class A of the grade VIII in SMP BOPKRI 1 Yogyakarta and there are 22 students in the class.

Instruments in this research include a learning instruments such as the learning lesson plan and the student worksheet and data collection instrument such as non test include the realization of lesson planning observation sheets, students involvement observation sheet, interviews, and test intruments include the beginning competency test, quizzes, evaluation test. Prior to the use in the research, all instruments are well validated by expert test and test items and then all intruments are considered passing the required condition.

The result of this research show that (1) The application of cooperative learning model Student Teams Achievement Divisions (STAD) has been and can be done well with the overall percentage of the realization of the lesson planning is about 95,45%. (2) The student's involvement level in cooperative learning model Student Teams Achievement Divisions (STAD) is consider high. It can be seen from the percentage of the students involvement in the group is about 27,28% group has a very high involvement level, 22,72% group has a high involvement level, 27,28% group has low involvement level, and 22,72% group has very low involvement level. (3) The student`s learning results in cooperative learning model Student Teams Achievement Divisions (STAD) increases. It can be seen from the results of the average value of the beginning competency test is 57,45 and the average evaluation test is 76,77 indicates that there is an increase 19,32. The greatest evaluation test in very high criteria of 45,45%, high criteria of 22,72%, the medium criteria of 18,18%, while low criteria (R) of 4,55% and very low criteria of 9,1%.

Key word: Student Teams Achievement Divisions (STAD), Involvement, The Learning Result, Pythagorean Theorem