

PLAGIAT MERUPAKAN TINDAKAN TIDAK TERPUJI

ABSTRAK

Andreas Christian Nugroho, 2011. *Tingkat Keaktifan dan Prestasi Belajar Siswa dalam Pembelajaran Matematika dengan Menggunakan Metode Team Accelerated Instruction di SMA Negeri 1 Jogonalan. Program Studi Pendidikan Matematika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma, Yogyakarta.*

Penelitian ini bertujuan untuk (1) mengetahui tingkat keaktifan siswa selama mengikuti pembelajaran matematika dengan menggunakan metode *Team Accelerated Instruction* dalam merasionalkan penyebut bentuk akar pada siswa kelas X-C SMA Negeri 1 Jogonalan tahun ajaran 2010/2011, (2) mengetahui sejauh mana prestasi belajar siswa selama mengikuti pembelajaran matematika dengan menggunakan metode *Team Accelerated Instruction* dalam merasionalkan penyebut bentuk akar pada siswa kelas X-C SMA Negeri 1 Jogonalan tahun ajaran 2010/2011.

Subyek penelitian ini adalah siswa kelas X-C SMA Negeri 1 Jogonalan dengan jumlah siswa sebanyak 34 siswa. Penelitian ini dilaksanakan pada semester gasal tahun ajaran 2010/2011 dengan materi merasionalkan penyebut suatu pecahan bentuk akar. Jenis penelitian ini adalah pra-eksperimental. Penelitian ini menggunakan metode penelitian campuran (kualitatif deskriptif dan kuantitatif). Pembelajaran dalam penelitian ini berlangsung selama 3 pertemuan, dimana sebelum pembelajaran dilaksanakan pre-tes dan sesudah pembelajaran dilaksanakan post-tes. Instrumen pengumpul data yang digunakan terdiri atas (1) lembar observasi keaktifan siswa, (2) tes prestasi belajar (post-tes), (3) hasil wawancara. Pengamatan keaktifan siswa selama proses pembelajaran dilakukan oleh tiga pengamat yang membantu penelitian.

Hasil penelitian menunjukkan bahwa (1) siswa kelas X-C SMA Negeri 1 Jogonalan lebih aktif selama mengikuti pembelajaran matematika dengan menggunakan metode *Team Accelerated Instruction* pada materi merasionalkan penyebut bentuk akar, dengan tingkat keaktifannya tinggi, meskipun siswa belum berani menjawab pertanyaan dari guru (peneliti) secara individu pada saat diskusi kelas dan siswa masih malu untuk mengerjakan soal ke depan kelas tanpa harus ditunjuk oleh guru (peneliti), (2) prestasi belajar siswa kelas X-C SMA Negeri 1 Jogonalan selama mengikuti pembelajaran matematika dengan menggunakan metode *Team Accelerated Instruction* pada materi merasionalkan penyebut bentuk akar sangat tinggi.

Kata kunci : kooperatif, *Team Accelerated Instruction*, keaktifan, dan prestasi.

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ABSTRACT

Andreas Christian Nugroho. 2011. *The Level of Students' Active Participation and Achievement in Learning Mathematics Using Team Accelerated Instruction Method in SMA Negeri 1 Jogonalan*. Mathematics Education Study Program. Departement of Mathematics and Science, Faculty of Teacher Training and Education, Sanata Dharma University, Yogyakarta.

The research was aimed at (1) knowing the level of students' active participation during the follow learning of mathematics by using *Team Accelerated Instruction* method in rationalizing the denominator of root form which is done by the X-C grade students of SMA Negeri 1 Jogonalan in academic year 2010/2011, (2) knowing how far the students' learning achievement during the follow learning of mathematics by using *Team Accelerated Instruction* method in rationalizing the denominator of root form which is done by the X-C grade students of SMA Negeri 1 Jogonalan in academic year 2010/2011.

The participants of the research were 34 students of the X-C grade students of SMA Negeri 1 Jogonalan. The research was held in the odd semester of 2010/2011 academic year by using denominator of root form's rationalization materials. The type of the research is pre-experimental. The research utilized mixed research method namely descriptive qualitative and quantitative. The research was done in three meetings, they were pre-test, which was done in the beginning of the teaching learning process, and post-test, which was done in the end of the teaching learning process. The instruments for data gathering consisted of (1) observation sheet on the students' active participation, (2) students' achievement test (post-test), (3) the result of interview. In the research, there were three observers who were on duty to observe the students' active participation during the teaching learning process.

From the result of the research, it can be concluded that (1) the X-C grade students of SMA Negeri 1 Jogonalan more active participation during the follow learning of mathematics by using *Team Accelerated Instruction* method in rationalizing the denominator of root form, with a high level of students' active participation, however, in class discussion some students still feel afraid in answering questions from the teacher (researcher) individually and unconfident in solving the problem in front of the class without having to be appointed by the teacher (researcher), and (2) the learning achievement of the X-C grade students of SMA Negeri 1 Jogonalan during the follow learning of mathematics by using *Team Accelerated Instruction* method in rationalizing the denominator of root form is very high.

Keywords : Cooperative, *Team Accelerated Instruction*, Active Participation and Achievement.