

ABSTRAK

Desi Kisworo. 2010. Pengaruh Metode Kooperatif Tipe *Think-Pair-Share* Menggunakan Lembar Kerja Siswa (LKS) terhadap Prestasi Belajar Matematika di Sekolah Menengah Atas Pangudi Luhur Sedayu Kelas X. Program Studi Pendidikan Matematika. Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam. Fakultas Keguruan dan Ilmu Pendidikan. Universitas Sanata Dharma Yogyakarta.

Banyak kendala yang masih ditemui pada saat proses belajar dan mengajar di SMA Pangudi Luhur Sedayu, seperti siswa kurang berani bertanya kepada guru matematika dan prestasi siswa yang kurang maksimal. Penelitian ini bertujuan untuk mengetahui apakah metode kooperatif tipe *Think-Pair-Share* menggunakan Lembar Kerja Siswa (LKS) mempengaruhi prestasi belajar matematika siswa kelas X Sekolah Menengah Atas Pangudi Luhur Sedayu.

Jenis penelitian yang digunakan adalah penelitian kuantitatif. Populasi penelitian adalah siswa-siswi kelas X Sekolah Menengah Atas Pangudi Luhur Sedayu Tahun Pelajaran 2009/2010 dan sampel penelitian yang diambil adalah siswa-siswi kelas XA. Variabel bebas atau *independent* yaitu metode kooperatif tipe *Think-Pair-Share* menggunakan Lembar Kerja Siswa (LKS). Variabel terikat atau *dependen* yaitu prestasi belajar siswa. Metodologi yang digunakan adalah siswa mengerjakan tes awal, peneliti mengajarkan materi logaritma dengan metode kooperatif tipe *Think-Pair-Share* menggunakan LKS kemudian siswa mengerjakan tes akhir. Tes awal dan akhir sudah diuji validitas dan reliabilitasnya. Selama pembelajaran ada dua pengamat (*observer*) yang mengamati siswa-siswi kelas XA dan seorang pengambil gambar. Setelah itu, peneliti melakukan wawancara kepada beberapa siswa untuk mengecek apakah siswa bisa mengerjakan karena memahami atau asal memilih jawaban. Hasil selisih tes awal dan tes akhir diuji normalitasnya kemudian diuji menggunakan statistik T-test *dependent*.

Selisih tes awal dan tes akhir berdistribusi normal. Dari perhitungan dengan rumus t-test maupun dengan SPSS diperoleh $t_{hit} = -13,513$ dan $t_{tabel} = 2,04$. Karena $t_{hit} < -t_{tabel}$ maka H_0 ditolak atau ada perbedaan skor tes awal dan tes akhir, sehingga diperoleh kesimpulan bahwa metode kooperatif tipe *Think-Pair-Share* menggunakan LKS mempengaruhi prestasi belajar matematika siswa kelas X Sekolah Menengah Atas Pangudi Luhur Sedayu. Nilai rata-rata tes awal adalah 31,0938 dan nilai rata-rata tes akhir adalah 67,988. Rata-rata tes akhir lebih besar daripada tes awal sehingga terjadi peningkatan.

ABSTRACT

Desi Kisworo. The Influence of the Cooperative Method of the Think-Pair-Share Type Using Student Worksheet on the Tenth Grade Students' Mathematics Learning Outcomes in *Pangudi Luhur Sedayu* High School. Mathematics Education Study Program. Department of Mathematics and Sciences Education. Faculty of Teachers Training and Education. Sanata Dharma University. Yogyakarta.

There are many obstacles in teaching and learning processes in *Pangudi Luhur Sedayu* Senior High School, for example the students' fear to ask questions to the Mathematics teacher and low achievement. This research was aimed at finding out whether the cooperative method of Think-Pair-Share using the Student Worksheets had an effect on the ten grade students' mathematics learning outcomes in *Pangudi Luhur Sedayu* Senior High School.

The type of the research employed was quantitative research. The research population was made up of the male and female tenth grade students belonging to class A in *Pangudi Luhur Sedayu* Senior High School, academic year 2009/2010. The independent variable was the cooperative method of Think-Pair-Share using student worksheets, while the dependent variable was students' learning outcomes. The research methodology covered these following steps: students did a pre-test, researcher taught algorithm by applying the cooperative method of Think-Pair-Share using the student Worksheets, and the students did the post-test.

The pre-test and post-test had been verified for their validity and reliability. During the learning process, two observers monitored the students in class XA and one cameraperson took the pictures. After the test, the researcher interviewed some students to check whether they answered out of understanding or on random guess. The difference between the pre-test and post-test results was tested for its normality test. It was found that the difference between the pre-test and post-test was normally distributed. Afterwards, statistical computation of the T-test for dependent samples using SPSS was done to conclude that the cooperative method of Think-Pair-Share using student worksheets had an effect on the tenth grade students' mathematics learning outcomes in *Pangudi Luhur Sedayu* Senior High School. The mean of the pre-test was 31.0938 and the mean of the post-test was 67.988. The mean of the post-test was higher than the mean of the pre-test, thus showing its significant increase.