

## ABSTRAK

**NOVI KRISTINARINI.** 2013. *Penerapan Model Pembelajaran Kooperatif Tipe Two Stay Two Stray pada Pokok Bahasan Relasi dan Fungsi di Kelas VIII Semester 1 SMP Negeri 1 Botodayaan Gunungkidul Yogyakarta Tahun Ajaran 2012/ 2013 . Skripsi. Program Studi Pendidikan Matematika, Jurusan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma, Yogyakarta.*

Penelitian ini bertujuan untuk mengetahui hasil belajar siswa dan tingkat keaktifan siswa pada pokok bahasan relasi dan fungsi dengan menggunakan model pembelajaran kooperatif *Two Stay Two Stray*, serta untuk mengetahui respon guru dan siswa terhadap model pembelajaran tersebut. Oleh karena itu penelitian ini termasuk penelitian pra eksperimental. Penelitian ini dilaksanakan pada tanggal 8 September – 18 Oktober 2012. Subjek penelitian ini adalah siswa kelas VIII SMP N 1 Botodayaan tahun ajaran 2012/ 2013 yang berjumlah 34 orang.

Penelitian ini dilakukan selama 4 kali pertemuan yang kegiatan pembelajarannya mengacu pada komponen utama model pembelajaran kooperatif *Two Stay Two Stray*, yaitu diskusi kelompok, diskusi antar kelompok dan diskusi kelas. Instrumen yang digunakan dalam penelitian ini adalah rencana pelaksanaan pembelajaran, soal tes, lembar kerja siswa, lembar pengamatan keaktifan siswa, angket dan lembar wawancara. Data yang diperlukan dalam penelitian ini adalah data hasil belajar siswa, data keaktifan siswa dan data respon guru dan siswa terhadap model pembelajaran kooperatif *Two Stay Two Stray*. Data hasil belajar siswa diperoleh melalui tes materi prasyarat, tes prestasi belajar dan nilai kelompok yang kemudian dilihat hasilnya berdasarkan kriteria prestasi. Data keaktifan siswa diperoleh melalui hasil pengamatan di setiap pertemuan dengan menggunakan pedoman lembar observasi yang kemudian dilihat hasilnya berdasarkan kriteria keaktifan. Data respon guru diperoleh melalui wawancara dan data respon siswa diperoleh melalui angket yang kemudian dilihat hasilnya berdasarkan kriteria.

Hasil penelitian ini menunjukkan bahwa: (1) Hasil belajar yang diperoleh siswa tergolong sangat baik. Hal ini ditunjukkan dengan nilai rata-rata tes prestasi belajar 79,71; nilai rata-rata masing-masing kelompok 87,5% tergolong sangat baik; 91,18% siswa lulus KKM. (2) Tingkat keaktifan siswa dalam pembelajaran pada pertemuan I tergolong sangat rendah dengan skor rata-rata 13,76; pada II tergolong rendah dengan skor rata-rata 20,7; sedangkan pada pertemuan III tergolong cukup dengan skor rata-rata 32,38 dan pada pertemuan IV tergolong tinggi dengan skor rata-rata 41,88. (3) Respon siswa dan guru terhadap model pembelajaran kooperatif TSTS tergolong sangat positif. Respon siswa dapat dilihat dari hasil analisis angket 91,18% siswa memenuhi kriteria Sangat Positif. Sedangkan respon guru dapat diketahui dari hasil wawancara yang menunjukkan respon guru tergolong sangat positif.

Kata kunci: Model pembelajaran kooperatif, *Two Stay Two Stray* (TSTS), Relasi Fungsi.

## ABSTRACT

**NOVI KRISTINARINI.** 2013. *The Implementation of Two Stay Two Stray Type within Cooperative Learning Model on the Topic of Relations and Function to Eight Grade Students of SMP N 1 Botodayaan Gunungkidul Yogyakarta in the First Semester for Academic Year 2012/ 2013.* Thesis. Mathematics, Education, Study Program. Department of Mathematics and Science Education. Faculty of Teachers Training and Education. Sanata Dharma University. Yogyakarta.

This research is a pre-experimental research which aimed to find out the students study results and students activity degree in Mathematics learning process on topic relations and function by applying *Two Stay Two Stray* type within cooperative learning model. Besides that, this research aimed to find out both the students and teacher's response to the Mathematic learning process by *Two Stay Two Stray* type within cooperative learning. The research was conducted from September 8, 2012 to October 18, 2012. The subjects of the research were eight grade students of SMP N 1 Botodayaan in the first semester for academic year 2012- 2013.

The research was conducted in four meetings. The steps conducted in each meeting referred to the main components of *Two Stay Two Stray* type within cooperative learning model. They were group discussion, intergroup discussion, and class discussion. The research instruments included were lesson plan, test sheets, student work sheets, observation sheets, questionnaire, and interview guideline. The data of students study results, students activity degree, students response, and teachers response were required in this research. The data of students study results was obtained from prerequisite material test, achievement test, and groups value. The data was then analyzed based on achievement criteria. Meanwhile, the data of students activity degree was obtained through observation in every meeting. The data was then analyzed based on activity criteria. Furthermore, the data of students response was obtained from questionnaire and the data of teacher response was obtained from interview. After that, the data was then analyzed based on response criteria.

The research showed that: (1) The student's study results rated very well. This was showed by the average of achievement test value was 76.67, and 91.18% of students passed KKM. Other than that, the average value of each group was rated very well. It was 87.5%. (2) The student's activity degree at the first meet was rated very low. This was shown by the average score of student's activity result. It was 13.76. Then at the second meet, the student's activity degree was rated low. The average score of the student's activity result was 20.71. Also, at the third meet, the student's activity degree was rated at a good percentage. It was 32.38. Finally, at the fourth meeting, the score was rated high. It was 41.88. (3) Both the students and the teachers responded positively about Mathematic learning process by *Two Stay Two Stray* type within cooperative learning. The students response could show by data analysis result of questionnaire. It was 91.18% of students was rated very positive. Meanwhile, the teachers response could show by interview result. It was rated very positive.

Key word: Cooperative learning model, *Two Stay Two Stray* (TSTS), Relations, Function

