

ABSTRAK

LUSIA. 2008. INTERAKSI SOSIAL DALAM PROSES PEMBELAJARAN MATEMATIKA PADA TOPIK LOGARITMA DI KELAS X SMA STELLA DUCE 3 BANTUL. Skripsi Program Studi Pendidikan Matematika. Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma.

Penelitian dalam skripsi ini bertujuan untuk mendeskripsikan interaksi sosial yang terjadi antara guru dan siswa serta interaksi sosial antara siswa dan guru selama proses pembelajaran matematika pada topik Logaritma. Penelitian ini adalah penelitian kualitatif deskriptif yang bertujuan mengungkap fenomena dalam keadaan yang seadanya. Data yang dikumpulkan bersifat kualitatif, yang berkaitan dengan interaksi sosial yang terjadi di kelas. Berdasarkan data-data yang diperoleh dari rekaman video saat kegiatan pembelajaran pada topik logaritma tersebut maka dideskripsikan interaksi sosial antara guru dengan siswa. Subyek penelitian ini adalah guru matematika dan siswa kelas X-2 SMA Stella Duce 3 Bantul Yogyakarta. Pengumpulan data berlangsung selama 4 kali pertemuan yaitu pada tanggal 17 September 2007, 24 September 2007, 1 Oktober 2007, dan 22 Oktober 2007. Pengumpulan data penelitian diperoleh dengan cara merekam kegiatan pembelajaran dengan alat bantu *handy-cam* dan juga pengamatan yang dilakukan oleh peneliti sendiri. Analisis data dilakukan dengan prosedur: (1) transkripsi data rekaman video, (2) menentukan topik data, (3) menentukan kategori data, (4) penarikan kesimpulan.

Hasil penelitian terdiri dari uraian mengenai bentuk-bentuk interaksi sosial yang terjadi antara guru dan siswa dalam proses pembelajaran pada topik logaritma di SMA Stella Duce 3 Bantul. Interaksi sosial dibagi menjadi dua berdasarkan siapakah yang memulai kegiatan interaksi, yaitu (1) interaksi sosial antara guru dan siswa di kelas X-2 SMA Stella Duce 3 Bantul meliputi tanya jawab mengenai materi pelajaran logaritma, menjelaskan materi pelajaran logaritma untuk diketahui oleh siswa, mendorong siswa bertanya dan maju mengerjakan soal materi logaritma, meminta siswa untuk mengerjakan soal logaritma, berkeliling memantau hasil pekerjaan siswa yang mengerjakan soal logaritma, mengoreksi hasil pekerjaan siswa yang mengerjakan soal logaritma (2) interaksi sosial antara siswa dan guru di kelas X-2 SMA Stella Duce 3 Bantul meliputi tanya jawab mengenai materi pelajaran logaritma, siswa maju mengerjakan soal logaritma atas inisiatif sendiri, memperlihatkan hasil pekerjaan kepada guru, mengungkapkan pendapat mengenai maksud dan jawaban soal logaritma, membetulkan tulisan/jawaban guru yang salah, dan menulis suatu konsep/jawaban yang menimbulkan pertanyaan/komentar dari guru.

Kata Kunci : Pembelajaran matematika, Bentuk-bentuk interaksi sosial, Logaritma

ABSTRACT

LUSIA. 2008. SOCIAL INTERACTION DURING MATHEMATICS TEACHING AND LEARNING PROCESS ABOUT LOGARITHM TOPIC IN CLASS X STELLA DUCE 3 SENIOR HIGH SCHOOL BANTUL. Mathematics Education Study Program, Department of Mathematics and Science Education, Faculty of Teacher Training and Education, Sanata Dharma University.

This research is aimed to describe social interaction between teachers and students and also social interaction between students and teachers during mathematic teaching and learning process about logarithm topics. This research is descriptive qualitative with aim to express phenomenon in a state of patch up. Data gathered is qualitative, related to social interaction in process of study mathematic teaching and learning at logarithm topics in class. Based on the data obtained from video record when study activity at the logarithm topics is description social interaction between teachers and students. The subjects in this research are teachers and students X-2 class Stella Duce 3 Senior High School Bantul Yogyakarta. The data is gathered in four meetings: 17 September 2007, 24 September 2007, 1 October 2007 and 22 October 2007. Research data collection was achieved by recording learning activity with handy cam tool and by observation done by the researcher. Data analysis was done in the following procedure: (1) video recording data transcription, (2) deciding topics, (3) deciding category, and (4) conclusions.

The research findings consist of description about social interaction types happened between teachers and students during learning process about logarithm topics in Stella Duce 3 Senior High School Bantul Yogyakarta. Social interaction is divided into two, based on who begun the interaction activity, i.e. (1) social interaction between teachers and students in class X-2 Stella Duce 3 Senior High School Bantul Yogyakarta including questions and answers about logarithm, explaining logarithm to the students, giving chances for students to asking and solving the problem logarithm, asking students to do exercise about logarithm, checking the works, correcting student's works, and summarizing the subject learned; (2) social interaction between students and teachers in class X-2 Stella Duce 3 Senior High School Bantul Yogyakarta including questions and answers about logarithm, students answer the problem logarithm based on their own initiatives, showing the works to the teachers, expressing comments about the answers and the explanations, correcting the teacher's wrong answers, writing concepts or answers raising comments or questions from teachers.

Key words : Mathematics teaching and learning, social interaction types, logarithm.