

ABSTRAK

Retha Monica, 2016. Kemampuan Komunikasi Matematis Siswa Kelas VIII SMP Kanisius Kalasan Yogyakarta dalam Diskusi Kelompok pada Materi Sistem Persamaan Linier Dua Variabel. 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 mendeskripsikan kemampuan komunikasi matematis siswa SMP Kanisius Kalasan kelas VIII dalam diskusi kelompok pada saat siswa menyelesaikan soal cerita yang berkaitan dengan materi SPLDV (Sistem Persamaan Linier Dua Variabel). Penelitian ini digolongkan dalam jenis penelitian deskriptif kualitatif. Subyek dalam penelitian ini siswa kelas VIII sebanyak 3 orang siswa.

Instrumen dalam penelitian ini terdiri dari lembar kerja soal diskusi kelompok yang berupa soal cerita berbentuk uraian, alat rekam, dan pedoman wawancara. Sebelum digunakan, semua instrumen telah divalidasi dengan uji pakar. Setelah melalui tahap validasi, dinyatakan bahwa semua instrumen memenuhi syarat yang ditetapkan.

Hasil penelitian menunjukkan bahwa kemampuan komunikasi matematis yang menjadi fokus dalam penelitian ini yaitu kemampuan subjek dalam menyampaikan argumen serta menganalisis dan mengevaluasi pemikiran matematis dan strategi orang lain, muncul pada diskusi kelompok dalam menyelesaikan soal cerita tentang SPLDV (Sistem Persamaan Linier Dua Variabel). Dalam menyampaikan argumennya siswa sudah cukup aktif dan antusias, namun hasil jawaban yang diberikan oleh siswa masih banyak yang kurang tepat. Pada saat diskusi, terjadi interaksi tanya jawab antar subjek. Selain itu subjek juga saling memberikan evaluasi, tanggapan atau sanggahan terhadap argumen yang disampaikan subjek lainnya.

Kata kunci: *kemampuan komunikasi matematis, sistem persamaan linear dua variabel (SPLDV)*

ABSTRACT

Retha Monica, 2016. Mathematical Communication Ability of Students of Grade VIII Kanisius Kalasan Junior High School Yogyakarta in Group Discussion on Systems of Linear Equations of Two Variables. Undergraduate Thesis. Mathematics Education Study Program, Department of Mathematics and Sciences Education, Faculty of Teacher Training and Education, Sanata Dharma University Yogyakarta.

This study aimed to determine students' mathematical communication ability of Kanisius Kalasan Junior High School students of Grade VIII in group discussion when students solved problems relating to the material of SPLDV (Systems of Linear Equation of Two Variabels).

This research was classified as qualitative descriptive research. The subjects were three students in grade VIII. Instruments in this study consisted of worksheets for the groups discussion in the form of story problems (essay type), a recorder, and an interview guideline. Prior to use, all instruments had been validated by experts. After going through the validation phase, it was stated that all instruments met the specified requirements.

The results showed that the ability of mathematical communications which was the focus in this research, namely the subject's ability to convey the arguments as well as analyze and evaluate the mathematical thinking and strategies of others, appeared during the working group discussion about SPLDV (Systems of Linear Equation of Two Variabels). In presenting the arguments the students were already quite active and enthusiastic, but many of the answers given by the students were still not so precise. During the discussion, there were questions and answers between the subjects. Besides the subjects also gave evaluations to one another, responses or rejections of the arguments presented by the other subjects.

Keywords: mathematical communication ability, systems of linear equation of two variabels (SPLDV)