

ABSTRAK

Elisabeth Oktaviari Dalyanto, 121414018. 2018. Efektivitas Pemanfaatan Alat Peraga Bangun Ruang Prisma Ditinjau dari Pemahaman Konsep dan Minat Belajar Siswa Kelas VIII A SMP Kanisius Sleman Tahun Ajaran 2015/2016. Skripsi. Program Studi Pendidikan Matematika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma, Yogyakarta.

Kurangnya pemahaman konsep siswa dan minat belajar siswa terhadap pembelajaran matematika, mendorong peneliti melakukan penelitian di kelas VIIIA SMP Kanisius Sleman. Penelitian ini dilaksanakan dengan tujuan untuk mendeskripsikan: (1) keterlaksanaan pembelajaran pada pokok bahasan prisma melalui pemanfaatan alat peraga bangun ruang prisma siswa kelas VIII A SMP Kanisius Sleman, (2) minat belajar siswa kelas VIII A SMP Kanisius Sleman pada pokok bahasan prisma melalui pemanfaatan alat peraga bangun ruang prisma, (3) pemahaman konsep siswa kelas VIII A SMP Kanisius Sleman pada pokok bahasan prisma melalui pemanfaatan alat peraga bangun ruang prisma

Subjek dalam penelitian ini adalah siswa kelas VIIIA SMP Kanisius Sleman. Penelitian dilakukan pada bulan Mei – Juni 2016 dengan pokok bahasan prisma. Jenis penelitian ini adalah deskriptif kuantitatif dan kualitatif. Instrumen penelitian ini berupa RPP, lembar observasi, lembar kuesioner, daftar pertanyaan wawancara, soal *pre-test*, dan soal *post-test*. Teknik pengumpulan data menggunakan observasi, kuesioner, wawancara, *pre-test*, dan *post-test*. Observasi dilakukan pada 3 kali pertemuan untuk mendeskripsikan pemanfaatan alat peraga bangun ruang prisma dalam proses pembelajaran. Kuesioner dan wawancara digunakan untuk mengetahui minat belajar siswa terhadap pembelajaran dengan memanfaatkan alat peraga bangun ruang prisma. *Pre-test* dan *post-test* dilakukan untuk mengetahui pemahaman dimensi konsep siswa yang dilakukan sebelum penyampaian materi dan sesudah penyampaian materi dengan pemanfaatan alat peraga Baru Prisma.

Hasil penelitian ini menunjukkan bahwa (1) keterlaksanaan pembelajaran siswa kelas VIIIA SMP Kanisius Sleman sangat baik, dengan persentase keseluruhan sebesar 91,97%; (2) minat belajar siswa kelas VIIIA SMP Kanisius Sleman, dengan siswa pada kategori sangat baik sebesar 36,84% dan pada kategori baik sebesar 63,16%, hasil kuesioner dan wawancara siswa juga sesuai; (3) pemahaman konsep siswa kelas VIIIA SMP Kanisius Sleman dilihat dari dimensinya berdasarkan hasil *pre-test* dan *post-test* menunjukkan masih kurang baik.

Kata kunci: alat peraga, pemahaman konsep, dimensi konsep, minat belajar, bangun ruang prisma

ABSTRACT

Elisabeth Oktaviari Dalyanto, 2018. Effectiveness Utilization of Props of Three-Dimensional Prism Figure Reviewed from Concept Understanding and Learning Interest of the Student of VIII A Kanisius Sleman Junior High School Batch 2015/2016. Thesis. Yogyakarta: Mathematics Education Study Program, Department of Mathematics and Science Education, Faculty of Teacher Training and Education, Sanata Dharma University.

The lack of understanding and desire to study encourage the researcher to conduct the research on the students of VIII A Kanisius Sleman Junior High School. The researcher conducts the research in order to describe: 1) learning process of prism subject with props of three-dimensional prism figure in VIII A Kanisius Sleman Junior High School; 2) learning interest of the students of VIII A Kanisius Sleman Junior High School in learning prism subject utilizing the props of three-dimensional prism figure; 3) VIII A Kanisius Sleman Junior High School students' understanding of prism subject utilizing the props of three-dimensional prism figure.

The subjects of this research were students of VIII A Kanisius Sleman Junior High School. This research was conducted on May-June 2016 with the object was prism. This research employed quantitative-descriptive and qualitative approach. The instruments of this research were lesson plan, observation sheet, questionnaire, lists of interview questions, *pre-test* and *post-test* questions. The data collection techniques of this research were observation, questionnaire, interview, *pre-test*, and *post-test*. The observation was done within three meeting in order to describe the utilization of props of three-dimensional prism figure in the learning process. Questionnaire and interview were done to describe the students' interest in learning prism subject utilizing three-dimensional prism figure. *Pre-test* and *post-test* were employed to describe the understanding of the subject before and after the learning process about the utilization of three-dimensional prism figure.

The result of this research shows that: 1) the learning process in VIII A Kanisius Sleman Junior High School was really good in the percentage of 91,97%; 2) the students of VIII A Kanisius Sleman Junior High School's interest was divided into two groups which were categorized as very good (36,84%) and good (63,16%). The result of both questionnaire and interview were appropriate; 3) the concept understanding of VIII A Kanisius Sleman Junior High School students' based on the result of *pre-test* and *post-test* was not really good.

Keyword: figure, concept understanding, concept dimension, learning interest, prism