

ABSTRAK

Clara Elvina Bellakualita. 2018. Analisis Kesulitan Siswa dalam Menyelesaikan Soal Irisan dan Gabungan Himpunan pada Siswa Kelas VII SMP Kanisius Pakem Tahun Ajaran 2017/2018. Skripsi. Yogyakarta : Pendidikan Matematika, Jurusan Pendidikan Matematika dan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma.

Penelitian ini bertujuan untuk mendeskripsikan kesulitan-kesulitan dan memaparkan faktor-faktor kesulitan menyelesaikan soal irisan dan gabungan himpunan yang dialami siswa kelas VII SMP Kanisius Pakem Tahun ajaran 2017/2018.

Jenis penelitian ini yaitu deskriptif kualitatif. Penelitian ini dilaksanakan pada bulan Oktober-November 2017. Subjek penelitian ini yaitu siswa kelas VII SMP Kanisius Pakem Tahun Ajaran 2017/2018. Subjek penelitian ini yaitu siswa kelas VII SMP Kanisius Pakem tahun ajaran 2017.2018 yang berjumlah 20 siswa. Objek penelitian ini yaitu kesulitan subjek penelitian dalam menyelesaikan soal-soal irisan dan gabungan. Metode pengumpulan data yang dilakukan pada penelitian ini yaitu observasi pembelajaran, pengisian kuesioner, tes diagnostik, wawancara, dan tes privat. Metode analisis data tes diagnostik yaitu dengan mengelompokkan jenis kesalahan berdasarkan teori Hadar dan teman-teman serta mengelompokkan jenis kesulitan berdasarkan taksonomi Bloom. Metode analisis data kuesioner menggunakan skala Likert.

Hasil penelitian menunjukkan subjek penelitian mengalami kesulitan menyelesaikan soal-soal irisan dan gabungan himpunan. Berdasarkan tes diagnostik, wawancara, dan tes privat, kesulitan-kesulitan tersebut yaitu kesulitan mengingat definisi irisan dan gabungan termasuk simbol simbolnya, kesulitan memahami soal kontekstual irisan dan gabungan, kesulitan menerapkan diagram Venn untuk menyelesaikan soal irisan dan gabungan, serta kesulitan menganalisis soal kontekstual irisan dan gabungan himpunan salah satunya menetapkan langkah-langkah menyelesaikan soal kontekstual.

Kata kunci : Analisis kesulitan, menyelesaikan soal, irisan dan gabungan himpunan

ABSTRACT

Clara Elvina Bellakualita. 2018. *The Analysis of Students' Difficulties in Solving the Intersection and Union Set Problem of the Grade VII Kanisius Pakem Junior High School in academic year 2017/2018. Thesis. Yogyakarta : Mathematics Education, Departement of Mathematics and Science ducation, Faculty Teacher Training and Education, Sanata Dharma University.*

The objective of the research is to describe the difficulties and explain factors of difficulties of the student to finish problem about intersection and union set of the student VII Kanisius Junior High School in academic year 2017/2018.

The type of this research is descriptive qualitative. This research was conducted on October-November 2017. The subjects of this study are the students of grade VII of Kanisius Pakem Junior High School Year Academic 2017/2018. The subjects of this study are students of class VII Kanisius junior high school year 2017/2018 which amounted to 20 students. The object of this research is the difficulty of research subjects in solving the problems of slices and combined. Methods of data collection conducted in this study are obsrvasi learning, filling questionnaires, diagnostic tests, interviews, and private ts. The method of diagnostic test data analysis is by classifying the types of errors based on the theory of Hadar and friends as well as categorize types of difficulties based on Bloom's taxonomy. Method of analysis of questionnaire data using Likert scale.

The results showed that the research subjects had difficulty solving the sliced and combined problems of the set. Based on diagnostic tests, interviews, and private tests, the difficulties are difficulty remembering the definition of slices and combinations including symbol symbols, the difficulty of understanding the contextual problems of slices and combinations, the difficulty of applying Venn diagrams to solve the problem of slices and combinations, as well as the difficulty of analyzing the contextual problem of slices and the combination of one set of steps to solve the contextual problem.

Keywords: Difficulties analytis, problem solve, intersection and union set