

ABSTRAK

Margarita Ika Noviantari, 2016. Diagnosis dan Remediasi Kesulitan Belajar Siswa Kelas VIII A SMP Kanisius Sleman Tahun Ajaran 2015/2016 Pada Pokok Materi Kubus dan Balok. 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 (1) mengetahui kesulitan belajar yang dialami oleh siswa pada pokok materi kubus dan balok, (2) mengetahui faktor-faktor yang menyebabkan kesulitan siswa dalam mengerjakan soal-soal tentang kubus dan balok, (3) mengetahui bagaimana kesulitan belajar siswa dapat diatasi dengan pengajaran remedial pada pokok materi kubus dan balok di kelas VIII A SMP Kanisius Sleman tahun ajaran 2015/2016.

Jenis penelitian yang digunakan adalah penelitian eksploratif dengan pendekatan kualitatif dan kuantitatif. Penelitian ini dilaksanakan di SMP Kanisius Sleman dengan subjek penelitian adalah tiga orang siswa kelas VIII A yang mengalami kesulitan belajar matematika pada pokok materi kubus dan balok. Data penelitian dikumpulkan dengan instrumen tes awal, tes diagnostik, tes akhir, dan dengan teknik wawancara.

Berdasarkan hasil penelitian dapat disimpulkan bahwa (1) kesulitan yang dialami oleh siswa pada penyelesaian soal kubus dan balok meliputi kesulitan untuk menyebutkan unsur-unsur kubus dan balok (diagonal ruang dan bidang diagonal), kesulitan dalam menganalisis soal dan menerapkan rumus volume dan luas permukaan, serta kesulitan dalam menganalisis unsur kubus dan balok (menentukan bentuk dari bidang diagonal, menentukan panjang diagonal ruang, dan menentukan titik sudut dari sebuah jaring-jaring balok), (2) faktor-faktor penyebab kesulitan siswa antara lain faktor internal yaitu kurangnya persiapan belajar, kurangnya motivasi belajar, kurang dikuasainya materi prasyarat seperti luas persegi, luas persegi panjang, dan rumus Pythagoras serta kurang terampilnya mengoperasikan perkalian bilangan bulat, pembagian, dan perkalian bilangan pecahan. Faktor eksternal dari luar subjek antara lain suasana belajar di sekolah dan di rumah yang kurang mendukung, (3) pengajaran remedial dengan metode tanya jawab dapat membantu mengatasi kesulitan-kesulitan yang dialami siswa, ditandai dengan meningkatnya keberhasilan siswa pada penyelesaian soal tes akhir. Peningkatan subjek A yaitu 50%, subjek B 45 %, dan subjek C 50%.

Kata Kunci : diagnosis kesulitan belajar, kesulitan belajar, materi kubus dan balok, remediasi

ABSTRACT

Margarita Ika Noviantari, 2016. The Diagnosis and Remediation of the Difficulties Experienced by the Students of Grade VIII A SMP Kanisius Sleman in the Academic Year 2015/2016 in the Topic of Cubes and Cuboids. Undergraduate Thesis. Mathematics Education Study Program, Department of Mathematics and Science Education, Faculty of Teacher Training and Education, Sanata Dharma University, Yogyakarta.

This research was aimed to (1) identify the difficulties in the learning process which was experienced by students in the topic of cubes and cuboids, (2) identify the factors that cause of the difficulties of the students in doing the test with the topic of cubes and cuboids, (3) identify how the difficulties in the learning process could be overcome with a remediation on the topic cubes and cuboids for class VIII A SMP Kanisius Sleman in the academic year 2015/2016.

The type of this research was exploratory research with qualitative and quantitative approaches. The research was conducted at SMP Kanisius Sleman, with the research subjects were three students of class VIII A who had difficulties in learning mathematics on the topic of cubes and cuboids. The data were collected using pre-test instruments, diagnostic tests, final test and interview techniques.

Based on the results of this research, the researcher concluded that (1) the difficulties which were experienced by the subjects in solving the problems about cubes and cuboids were naming and defining some elements of cubes and cuboids (particularly plane diagonal and space diagonal), calculating the volume and surface area of cubes and cuboids, and analyzing the elements of cubes and cuboids (determining the length of the space diagonal, and determining the vertices of cuboids), (2) the factors which caused the difficulties which were experienced by the students were internal factors which were the lack of preparation of the students to learn, the lack of motivation to learn, the lack of the prerequisites materials such as square, rectangle, the formula of Pythagoras and also the lack of skills experienced by the students in operating multiplication of integers, division, and multiplication of fractions. External factors were the learning environment at school and at home which did not support the learning process, (3) the remediation with interview methods helped to overcome the difficulties of the students, that were indicated by the increase of the scores of the students on the final test or remedial test. The amount of the increase for subject A was 50%, for subject B 45%, and for subject C 50%.

Keywords : *diagnosis of learning difficulties, learning difficulties, the topics of cubes and cuboids, remediation*