

ABSTRAK

Theresia Dian Puspitasari, 2013. *Upaya Membangun Aktivitas dan Hasil Belajar Siswa Kelas VIII A SMP Pangudi Luhur 1 Yogyakarta melalui Pendekatan Pembelajaran Berbasis Masalah Pokok Bahasan Volume Bangun Ruang Sisi Datar*. Skripsi. Program Studi Pendidikan Matematika, Jurusan Pendidikan Matematika dan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma, Yogyakarta.

Penelitian ini bertujuan untuk mengetahui apakah penerapan pendekatan pembelajaran berbasis masalah dapat (1) membangun aktivitas siswa kelas VIII A SMP Pangudi Luhur 1 Yogyakarta pada pembelajaran matematika pokok bahasan volume bangun ruang sisi datar, (2) membangun hasil belajar siswa kelas VIII A SMP Pangudi Luhur 1 Yogyakarta pada pembelajaran matematika pokok bahasan volume bangun ruang sisi datar.

Jenis penelitian ini adalah penelitian eksploratif. Subjek penelitian siswa kelas VIII A SMP Pangudi Luhur 1 Yogyakarta yang berjumlah 31 orang. Penelitian dilaksanakan pada semester II tahun ajaran 2012/2013 dengan pokok bahasan volume bangun ruang sisi datar. Penelitian diawali dengan observasi kegiatan siswa dan pengambilan data kemampuan awal siswa melalui tes. Pelaksanaan pembelajaran dengan pendekatan pembelajaran berbasis masalah dilakukan dalam 4 kali pertemuan. Pengambilan data aktivitas siswa diperoleh dengan melakukan pengamatan aktivitas siswa pada setiap pelaksanaan pembelajaran. Pengambilan data hasil belajar dilakukan dengan menggunakan tes kemampuan awal dan tes hasil belajar.

Hasil penelitian menunjukkan (1) Pendekatan pembelajaran berbasis masalah dapat digunakan untuk membangun aktivitas siswa di kelas VIII A SMP Pangudi Luhur 1 Yogyakarta pada pembelajaran pokok bahasan volume bangun ruang sisi datar. Pada pertemuan kedua, ketiga, keempat, dan kelima jumlah skor aktivitas siswa masing-masing 67,31%, 67,42%, 68,49%, dan 72,80%. Hasil pengamatan aktivitas siswa tergolong tinggi dan menunjukkan adanya peningkatan jumlah skor aktivitas siswa dari pelaksanaan pembelajaran pertama hingga keempat. (2) Pendekatan pembelajaran berbasis masalah dapat digunakan untuk membangun hasil belajar siswa di kelas VIII A SMP Pangudi Luhur 1 Yogyakarta pada pembelajaran pokok bahasan volume bangun ruang sisi datar. Presentase jumlah siswa yang mendapatkan nilai tuntas pada tes kemampuan awal dan tes hasil belajar mengalami peningkatan, yaitu sebanyak 12,90% menjadi 58,06% dari keseluruhan siswa dan adanya peningkatan rata-rata nilai tes kemampuan awal dan tes hasil belajar, yaitu dari 52,71 menjadi 76,57.

Kata kunci: Membangun, Aktivitas Siswa, Hasil Belajar, dan Pendekatan Pembelajaran Berbasis Masalah.

ABSTRACT

Theresia Dian Puspitasari. 2013. *Efforts to Build Learning Activities and Learning Achievements for the Students in Class VIII A of SMP Pangudi Luhur 1 Yogyakarta through Problem Based Learning Approach on the Topic of Volumes of Polyhedra*. Undergraduate Thesis. Mathematics Education Study Program, Departement of Mathematics and Science Education, Faculty of Teachers Training and Education, Sanata Dharma University, Yogyakarta.

This research aimed to know whether the implementation of problem based learning approach can (1) build activities for the students in class VIII A of SMP Pangudi Luhur 1 Yogyakarta in mathematics learning on the topic of volumes of polyhedra, (2) build learning achievements for the students in class VIII A of SMP Pangudi Luhur 1 Yogyakarta in mathematics learning on the topic of volumes of polyhedra.

The type of research was explorative research. The subjects of this research were Class VIII A students of SMP Pangudi Luhur 1 Yogyakarta consisting of 31 students. This research was conducted in the second semester, in the academic year 2012/2013 on the topic of volumes of polyhedra. The research was started by observations of the students' learning activities and data of initial ability students were collected through tests. The implementation of learning with problem based learning approach was conducted in four meetings. The data of learning activities were obtained by observing students' learning activities. The data of learning achievements were obtained by using initial ability tests and learning achievement tests.

The results showed that (1) problem based learning approach could build students' activities in Class VIII A of SMP Pangudi Luhur 1 Yogyakarta on the topic of volumes of polyhedra. The score of the student activities from the second to fifth meetings were 67,31%, 67,42%, 68,49%, and 72,80%. The results of the observations were relatively high and showed an increase in students' activities score from the first to fourth meetings. (2) problem based learning approach could build students' learning activities in Class VIII A of SMP Pangudi Luhur 1 Yogyakarta on the topic of volumes of polyhedra. The percentage of students who passed or fulfilled the the minimum requirements criteria on initial ability test and learning achievement test has increased, that was from 12,90% to 58,06% and there was an enhancement of the average of score on initial ability test and learning achievement test, that was from 52,71 to 76,57.

Keywords: Build, Student Activity, Learning Achievement, Problem Based Learning Approach