

ABSTRAK

Lucia Sri Purnami, 2011. *Aktivitas Siswa dalam Mengikuti Pembelajaran Matematika Berbasis Masalah dan Hasil Belajar Siswa Ketika Mengikuti Pembelajaran Tersebut*. Program Studi Pendidikan Matematika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma, Yogyakarta.

Penelitian ini bertujuan untuk mengetahui dan mendeskripsikan aktivitas siswa kelas VIII E SMP Negeri 1 Jogonalan selama pembelajaran matematika dengan penerapan strategi pembelajaran berbasis masalah dan mengetahui hasil belajar siswa kelas VIII E SMP Negeri 1 Jogonalan mengenai materi relasi fungsi dalam pembelajaran matematika dengan penerapan strategi pembelajaran berbasis masalah.

Subyek penelitian ini dibagi menjadi dua. Untuk meneliti aktivitas siswa, digunakan satu subyek siswa kelas VIII E SMP Negeri 1 Jogonalan, sedangkan untuk meneliti hasil belajar siswa digunakan subyek seluruh siswa kelas tersebut yang berjumlah 40 siswa. Penelitian dilaksanakan pada semester gasal tahun ajaran 2011/2012 dengan materi relasi fungsi. Jenis penelitian ini adalah penelitian eksploratif dengan paradigma kualitatif. Metode penelitian yang digunakan yaitu campuran kualitatif dan kuantitatif. Pembelajaran dilaksanakan dalam lima pertemuan. Instrumen pengumpul data terdiri dari tes hasil belajar dan pengamatan peneliti. Pengamatan peneliti ini diperkuat dengan triangulasi data.

Akhirnya hasil penelitian menunjukkan bahwa siswa melakukan berbagai macam aktivitas selama pembelajaran, yaitu *visual activities*, *oral activities*, *listening activities*, *writing activities*, *drawing activities*, *mental activities*, dan *emotional activities*. Hal ini menunjukkan bahwa siswa aktif. Hasil belajar siswa kelas VIII E SMP Negeri 1 Jogonalan selama mengikuti pembelajaran matematika berbasis masalah kurang baik, rata-rata nilai kelas adalah 5,14 dan hanya 10 siswa yang mencapai KKM. Hal ini disebabkan siswa belum terbiasa mengikuti pembelajaran yang menuntut siswa untuk aktif.

Kata kunci: Pembelajaran Berbasis Masalah, aktivitas, hasil belajar.

ABSTRACT

Lucia Sri Purnami, 2011. *A Student's Activity in Following Problem-Based Learning of Mathematics and the Students' Learning Outcomes when Following that Lesson.* Mathematics Education Study Program, Department of Mathematics and Science Education, Faculty of Teacher Training and Education, Sanata Dharma University, Yogyakarta.

This research aimed to determine and describe the activities of a grade VIII E student of SMP Negeri 1 Jogonalan during the mathematics learning by using the problem-based learning strategy and to determine the learning outcomes of grade VIII E students of SMP Negeri 1 Jogonalan in learning mathematics on the topic of relation and function by using problem-based learning strategy.

The subjects of this research were divided into two types. In the first type, a single student of grade VIII E of SMP Negeri 1 Jogonalan was chosen to investigate the student's activity. The research used all students in the class who numbered 40 to investigate the learning outcomes. The research was conducted in the odd semester of 2011/2012 academic year. It used the topic of relation and function. It was an exploratory research with a qualitative paradigm. This research used a mixture of qualitative and quantitative methods. The learning program was implemented in five meetings. The research used learning outcomes assessment and the researcher's observation as the instruments to obtain the data. The researcher's observation was reinforced by the data triangulation.

The result of the research showed that the one student described above performed various activities during the learning. They were visual activities, oral activities, listening activities, writing activities, drawing activities, mental activities, and emotional activities. The result showed that the student was active in the learning process. The learning outcomes of grade VIII E students of SMP Negeri 1 Jogonalan during the problem-based learning were not good. The average of class score was 5.14. There were only 10 students who achieved the *KKM* (*Kriteria Ketuntasan Minimal*, Minimum Mastery Criteria). It was because the students had not been used to the learning which required them to be active.

Keywords: Problem-based learning, learning activities, learning outcomes.