

## ABSTRAK

**Fransisca Erlin Yuniarti. 2016. *Penelitian Tindakan Kelas pada Siswa Kelas VIIIB SMP BOPKRI 1 Yogyakarta dengan Menggunakan Model Pembelajaran Problem Based Learning dengan Pokok Bahasan Luas Permukaan serta Volume Kubus dan Balok Tahun Ajaran 2015/ 2016*. Skripsi. Yogyakarta: Program Studi Pendidikan Matematika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma.**

Penelitian ini bertujuan untuk mengetahui hasil belajar dan motivasi belajar siswa setelah mengikuti pembelajaran dengan menggunakan model pembelajaran *Problem Based Learning* pada pokok bahasan luas permukaan serta volume kubus dan balok.

Jenis penelitian yang digunakan adalah penelitian tindakan kelas. Subjek dalam penelitian ini adalah siswa kelas VIIIB SMP BOPKRI 1 Yogyakarta. Objek dalam penelitian ini adalah pembelajaran di kelas dengan menggunakan model pembelajaran *Problem Based Learning* pada pokok bahasan luas permukaan serta volume kubus dan balok ditinjau dari hasil belajar siswa dan motivasi belajar siswa. Pengambilan data dilaksanakan pada 24 April 2016. Instrumen penelitian yang digunakan adalah tes hasil belajar, kuesioner, pedoman wawancara, dan lembar observasi. Data hasil belajar siswa dianalisis secara kuantitatif dan kualitatif sedangkan data hasil kuesioner dan hasil wawancara dianalisis secara kualitatif.

Hasil penelitian menunjukkan bahwa 1) terdapat peningkatan nilai rata-rata tes hasil belajar I dan nilai rata-rata tes hasil belajar II dengan menggunakan model pembelajaran *Problem Based Learning* pada pokok bahasan luas permukaan serta volume kubus dan balok dari nilai 49,10 menjadi 72,38. Untuk persentase ketuntasan tes hasil belajar I mencapai 16,67% sedangkan persentase ketuntasan tes hasil belajar II mencapai 41,38%. 2) motivasi belajar siswa setelah mengikuti pembelajaran dengan menggunakan model pembelajaran *Problem Based Learning* pada pokok bahasan luas permukaan serta volume kubus dan balok tergolong baik. Hal ini terlihat pada hasil kuesioner yang menunjukkan motivasi belajar siswa tergolong tinggi. Selain itu, hasil wawancara dengan siswa juga menunjukkan bahwa dari lima aspek motivasi belajar siswa yaitu keaktifan/ keterlibatan, perhatian, konsentrasi, antusiasme, dan berusaha mencoba mengatasi masalah telah terpenuhi dengan baik.

**Kata kunci: Model pembelajaran *Problem Based Learning*, hasil belajar siswa, motivasi belajar siswa, penelitian tindakan kelas.**

**ABSTRACT**

**Fransisca Erlin Yuniarti. 2016. *The Classroom Action Research of VIIIB Students in SMP BOPKRI 1 Yogyakarta Using Problem Based Learning Model Approach on The Topics of Surface Area and Volume of Cube and Cuboid Academic Year 2015/ 2016*. Thesis. Yogyakarta: Mathematics Education Study Program, Department of Mathematics Education and Science, Faculty of Teacher Training and Education, Sanata Dharma University.**

This research aims to determine students' learning outcomes and motivation after participating in learning process using Problem Based Learning model approach on the topic of surface area and volume cube and cuboid.

The type of research used in this study was classroom action research. The subjects of this research were students of grade VIIIB in SMP BOPKRI 1 Yogyakarta. The object of this research was learning in the classroom using Problem Based Learning model approach on the topic of surface area and volume cube and cuboid as seen from the students' learning outcomes and motivation. The date was obtained on 24 April 2016. The instrument of research was the outcomes of learning test, questionnaire, interview guidelines, and observation sheet. The data analysis of the students' learning outcomes was quantitative and qualitative while the data analysis of questionnaire and interview was qualitative.

The results of research was 1) there was an increase in the average exam score the learning outcomes I and learning outcomes II using Problem Based Learning model approach on the topic of surface area and volume of cube and cuboid from the average score of 49,10 to 72,38. The percentage of the test completion of learning outcomes I reached 16,67% while the percentage of the test completion of learning outcomes II reached 41,38%. 2) The students' learning motivation after participating in learning process using Problem Based Learning model approach on the topic of surface area and volume cube and cuboid was good. This could be seen on the questionnaire results that showed students learning motivation was high. Furthermore, the results of the interview with students also showed that five aspects of students' learning motivation are liveliness/ involvement, interest, concentration, enthusiasm, and effort to try resolving the problems was well meet.

**Keywords: Problem Based Learning model approach, students' learning outcomes, students' learning motivation, classroom action research.**