

ABSTRAK

Yuliana Pebri Heriawati. 2015. Penerapan Pendekatan Saintifik dengan Metode *Mind Mapping* pada Pembelajaran Matematika di SMP Pangudi Luhur 1 Yogyakarta Ditinjau dari Motivasi, Keaktifan dan Prestasi Belajar Siswa. 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 mengetahui keterlaksanaan penerapan pendekatan saintifik dengan metode *mind mapping*, motivasi belajar siswa, keaktifan dan prestasi belajar siswa pada pembelajaran matematika pada materi unsur-unsur lingkaran. Penelitian ini merupakan penelitian kuantitatif deskriptif. Penelitian dilaksanakan pada semester genap tahun ajaran 2014/2015. Subyek penelitian ini adalah siswa-siswi kelas VIII B SMP Pangudi Luhur 1 Yogyakarta.

Instrumen dalam penelitian ini meliputi instrumen pembelajaran yang berupa Rencana Pelaksanaan Pembelajaran (RPP) beserta Lembar Aktifitas Siswa (LAS) dan instrumen pengumpulan data berupa non tes meliputi lembar keterlaksanaan Rencana Pelaksanaan Pembelajaran (RPP), lembar pengamatan keaktifan, kuisioner motivasi belajar, dan wawancara. Sedangkan instrumen pengumpulan data berupa tes meliputi Tes Kemampuan Awal (TKA) dan Tes Prestasi Belajar (TPB). Sebelum digunakan, semua instrumen dikonsultasikan dengan pakar dan untuk Tes Prestasi Belajar (TPB) juga dilakukan uji validitas dan reliabilitas. Semua instrumen sudah dinyatakan memenuhi syarat yang ditetapkan.

Hasil penelitian menunjukkan bahwa (1) Penerapan pendekatan saintifik dengan metode *mind mapping* materi unsur-unsur lingkaran di kelas VIII B SMP Pangudi Luhur 1 Yogyakarta dapat terlaksana dengan baik dengan persentase keterlaksanaan sebesar 86,875%. (2) Motivasi belajar siswa tergolong tinggi dengan persentase motivasi belajar pada kategori sangat tinggi sebesar 18,92% dan persentase pada kategori tinggi sebesar 81,08%. (3) Keaktifan belajar siswa tergolong sangat aktif dengan persentase keaktifan belajar pada kategori sangat tinggi sebesar 56,76% dan pada kategori tinggi sebesar 43,24%. (4) Prestasi belajar siswa pada materi unsur-unsur lingkaran tergolong baik dengan nilai rata-rata 72,1. Persentase prestasi belajar siswa pada kategori sangat baik sebesar 37,84%, persentase prestasi belajar siswa pada kategori baik sebesar 35,13%, persentase pada kategori cukup sebesar 18,92% dan persentase pada kategori kurang sebesar 8,11%.

Kata kunci: Pendekatan saintifik, *mind mapping*, keaktifan, prestasi belajar, unsur-unsur lingkaran.

ABSTRACT

Yuliana Pebri Heriawati, 2015. The Application of Scientific Approach with Mind Mapping Method in Learning Mathematics in SMP Pangudi Luhur 1 Yogyakarta Reviewed on Motivation, Activeness and Student' Learning Achievement. Thesis. Mathematics Education Study Program, Department of Mathematics Education and Science, Faculty of Teacher Training and Educational Science, Sanata Dharma University in Yogyakarta.

This research is aimed to know the feasibility application of scientific approach with mind mapping method, students's motivation, activity and student achievement in math learning of the material elements of the circle. This research is a quantitative deskriptif. The research was conducted in the second semester of the academic year 2014/2015. The subjects of this study were students of class VIII B of SMP Pangudi Luhur 1 Yogyakarta.

The instrument in this research include learning instruments such as Learning Lesson Plan (RPP) and Student Activity Sheet (LAS) and the data collection instruments such non-test include the realization of Learning Lesson Plan (RPP), observation sheets, learning motivation questionnaire, and interviews. While the data collection instruments such tests include Early Ability Test (TKA) and Achievement Tests (TPB). Prior to use, all instruments were consulted by experts and for Achievement Tests (TPB) also tested the validity and reliability. All the instruments have been found to comply with the specified requirements.

The results showed that (1) Application of the scientific approach to mind mapping methods of the material elements of the circle in class VIII B of SMP Pangudi Luhur 1 Yogyakarta can be done well with realization percentage of 86.875%. (2) Students' learning motivation is high with the percentage learning motivation on the very high category at 18.92% and the percentage on the high category at 81.08%. (3) The activeness participation of students classified as very active with learning activeness percentage in the very high category at 56.76% and the high category at 43.24%. (4) Student' learning achievement on the material elements of the circle quite well with the average value 72,1. The percentage of student' learning achievement on the very good category at 37.84%, the percentage of student' learning achievement on the good category at 35,13%, the percentage in enough categories at 18.92% and the percentage in the low category at 8.11%.

Keywords: scientific approach, mind mapping, activeness, learning achievement, elements of the circle