

Hidayatul Maghfiroh. 2024. *Penerapan Model Problem Based Learning Berbantuan Mind Mapping untuk Meningkatkan Keterampilan Berpikir Kritis Siswa*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Try Hartiningsih.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui perbedaan, peningkatan, keterlaksanaan dan respons siswa dengan penerapan model *Problem Based Learning* berbantuan *Mind Mapping* pada materi ekologi dan keanekaragaman Hayati Indonesia. Penelitian ini yaitu quasi eksperimen dengan desain *non-equivalent control group*. Penelitian dilakukan di UPTD SMP Negeri 4 Bangkalan kelas VII tahun ajaran 2023/2024. Populasi adalah siswa kelas VII UPTD SMP Negeri 4 Bangkalan. Pengambilan sampel 25 siswa kelas VIIA dan 25 siswa kelas VIIB menggunakan teknik *purposive sampling*. Hasil penelitian menunjukkan bahwa 1) Hasil analisis keterampilan berpikir kritis diperoleh hasil pengujian hipotesis (*independent sample t test*) dengan nilai sig $0,00 < 0,05$ sehingga terdapat perbedaan keterampilan berpikir kritis siswa antara kelas eksperimen dan kelas kontrol. 2) Peningkatan keterampilan berpikir kritis dengan kategori tinggi sebanyak 5 siswa, kategori sedang sebanyak 19 siswa, dan kategori rendah sebanyak 1 siswa. 3) Keterlaksanaan pembelajaran diperoleh hasil rata-rata persentase 100% dengan kategori sangat baik. 4) Respons siswa terhadap model pembelajaran diperoleh hasil rata-rata persentase 86,57% dengan kategori sangat baik. Kesimpulan dari penelitian ini yaitu terdapat perbedaan dan peningkatan keterampilan berpikir kritis siswa diterapkan pembelajaran menggunakan model *Problem Based Learning* berbantuan *Mind Mapping* dengan model pembelajaran konvensional.

Kata kunci: Keterampilan berpikir kritis, *Mind Mapping*, Model *Problem Based Learning*

Hidayatul Maghfiroh. 2024. *Implementation of the Problem Based Learning Model Assisted by Mind Mapping to Improve Students' Critical Thinking Skills*. Thesis, Science Education Study Program, Faculty of Education, University of Trunojoyo Madura. Advisor: Try Hartiningsih.

ABSTRACT

The study aims to determine the differences, improvements, implementation and responses of students by applying the Problem Based Learning model assisted by Mind Mapping to the ecology and Indonesian biodiversity material. This research is a quasi-experiment with a non-equivalent control group design. The research was conducted at UPTD SMP Negeri 4 Bangkalan class VII for the 2023/2024 academic year. The population is class VII students of UPTD SMP Negeri 4 Bangkalan. The sample was taken from 25 class VIIA students and 25 class VIIB students using purposive sampling technique. The results of the research show that 1) The results of the analysis of the critical thinking skills test obtained the results of hypothesis testing (independent sample t test) with a sig value of $0.00 < 0.05$ so that there were differences in students' critical thinking skills between the experimental class and the control class. 2) Improving critical thinking skills with 5 students in the high category, 19 students in the medium category, and 1 student in the low category. 3) Observation of learning implementation resulted in an average percentage of 100% in the very good category. 4) Student responses to the learning model obtained an average percentage of 86.57% in the very good category. The conclusion of this research is that there are differences and improvements in students' critical thinking skills when applied to learning using the Problem Based Learning model assisted by Mind Mapping with conventional learning models.

Keywords: Critical thinking skills, Mind Mapping, Problem Based Learning Model