

Nanda Aulia Qurotul Aeni. 2023. *Penerapan Model Pembelajaran Treffinger Berbasis Masalah Open Ended Terhadap Kemampuan Berpikir Kreatif Siswa*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura, Pembimbing : Dwi Bagus Rendy Astid Putera, S.Pd., M.Pd.

ABSTRAK

Tujuan penelitian ini adalah untuk mengetahui pengaruh penerapan model pembelajaran *treffinger* berbasis masalah *open ended* terhadap kemampuan berpikir kreatif siswa SMPN 4 Bangkalan pada materi bumi dan tata surya. Penelitian ini menggunakan metode kuantitatif eksperimen dengan desain penelitian yaitu *pretest posttest control grup design*. Populasi penelitian yaitu semua siswa kelas VII Tahun ajaran 2022/2023. Pengambilan sampel menggunakan teknik *nonprabability sampling* jenis *purposive sampling* yang terdiri dari kelas VII A sebagai kelas eksperimen dan kelas VII B sebagai kelas kontrol dengan masing-masing sebanyak 28 siswa. Data dikumpulkan dengan menggunakan lembar observasi keterlaksanaan, tes kemampuan berpikir kreatif dan angket respons siswa. Hasil penelitian menunjukkan bahwa hasil rata-rata persentase observasi keterlaksanaan pembelajaran sebesar 96%, hasil kemampuan berpikir kreatif siswa setelah penerapan model *treffinger* sebesar 72%, ada pengaruh penerapan model pembelajaran *treffinger* berbasis masalah *open ended* terhadap kemampuan berpikir kreatif siswa dengan nilai signifikansi $0,000 < 0,05$ dan hasil respon siswa terhadap pembelajaran sebesar 76%.

Kata Kunci : bumi dan tata surya, model pembelajaran *treffinger*, masalah *open ended*, kemampuan berpikir kreatif

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ABSTRACT

The purpose of this study was to determine the effect of applying the treffinger learning model based on open ended problems on the students' creative thinking skills at SMPN 4 Bangkalan in the subject matter of the earth and the solar system. This study uses a quantitative experimental method with a research design that is pretest posttest control group design. The research population is all students of class VII in academic program 2022/2023. Sampling used a purposive sampling non-probability sampling technique consisting of class VII A as the experimental class and class VII B as the control class with 28 students each. Data collected using implementation observation sheets, tests of creative thinking abilities and student response questionnaires. The results showed that the average percentage of observation of the implementation of learning was 96%, the results of students' creative thinking skills after applying the treffinger model were 72%, there was an effect of applying the treffinger learning model based on open ended problems on students' creative thinking abilities with a significance value of $0.000 < 0.05$ and the results of student responses to learning by 76%..

Keywords: *earth and solar system, treffinger learning model, open ended problems, creative thinking skills*