

ABSTRAK

Berlian Diva Kartikasari. 2024. *Pengaruh Model Pembelajaran Project Based-Learning (PJBL) berbasis STEM terhadap kemampuan berpikir kreatif siswa SD*. Skripsi. Program Studi Pendidikan Sekolah Dasar, FKIP, Universitas PGRI Madiun. Pembimbing (I) Raras Setyo Retno, M.Pd., (II) Nanik Kusumawati, M.Pd.,

Perlu adanya inovasi pada pembelajaran IPA yang dapat memfasilitasi dan meningkatkan keterampilan proses sains terutama pemahaman, kecakapan, serta kemampuan membuat proyek yang menghasilkan produk agar bisa mengasah kemampuan berpikir kreatif siswa dengan model PJBL berbasis STEM. Penelitian dilakukan bertujuan untuk mengetahui pengaruh model pembelajaran *Project Based Learning* (PJBL) berbasis STEM dalam kemampuan berpikir kreatif siswa SD. Pada penelitian ini menggunakan jenis penelitian kuantitatif dengan metode pre-experimental design tipe *one group pre-test post-test design*. Jumlah sampel pada penelitian ini sebanyak 20 siswa. Teknik pengumpulan data yang digunakan dalam penelitian ini adalah observasi, wawancara, dokumentasi, dan tes. Hasil penelitian ini menunjukkan adanya pengaruh model *project based learning* berbasis STEM terhadap kemampuan berpikir kreatif peserta didik pada materi Perubahan Energi Topik Transformasi Energi, dimana nilai sig. (2-tailed) $0,000 < 0,05$, Berdasarkan hasil hitung menggunakan uji *paired sample t-test*, maka terdapat pengaruh model pembelajaran *Project-Based Learning* (PJBL) berbasis STEM terhadap kemampuan berpikir kreatif siswa pada materi IPA kelas IV di SDN 01 Demangan. Sehingga menyebabkan diterimanya H1 dan ditolaknyanya H0.

Kata kunci: *PJBL, STEM, Berpikir Kreatif*

ABSTRACT

Berlian Diva Kartikasari. 2024. The influence of the STEM-based Project Based-Learning (PJBL) learning model on elementary school students' creative thinking abilities. Thesis. Primary School Education Study Program, FKIP, PGRI Madiun University. Supervisor (I) Raras Setyo Retno, M.Pd., (II) Naniek Kusumawati, M.Pd.,

There needs to be innovation in science learning that can facilitate and improve science process skills, especially understanding, skills, and the ability to create projects that produce products in order to hone students' creative thinking skills with the STEM-based PJBL model. The research was conducted with the aim of determining the influence of the STEM-based Project Based Learning (PJBL) learning model on elementary school students' creative thinking abilities. This research uses a type of quantitative research with a pre-experimental design method, type one group pre-test post-test design. The number of samples in this study was 20 students. The data collection techniques used in this research are observation, interviews, documentation and tests. The results of this research show that there is an influence of the STEM-based project based learning model on students' creative thinking abilities on the Energy Change material on the Energy Transformation Topic, where the sig. (2-tailed) $0.000 < 0.05$, Based on the results of calculations using the paired sample t-test, there is an influence of the STEM-based Project-Based Learning (PJBL) learning model on students' creative thinking abilities in class IV science material at SDN 01 Demangan . This causes H1 to be accepted and H0 to be rejected.

Keywords: *PJBL, STEM, Creative Thinking*