

Pengaruh Model *Project Based Learning* (PjBL) Terhadap Pemahaman Konsep IPA di Sekolah Dasar

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ABSTRAK

Penelitian ini bertujuan untuk membuktikan apakah terdapat pengaruh penggunaan Model *Project Based Learning* (PjBL) terhadap Pemahaman Konsep IPA di sekolah dasar pada pembelajaran tatap muka dilaksanakan di SDN Tanjungsari 1 Dusun Turibarat 2 Desa Tanjungsari Kecamatan Cilebar Kabupaten Karawang. Penelitian ini menggunakan pendekatan kuantitatif dengan metode *pre-eksperimen* dengan tipe *One-Grup Pretest-posttest design*. Populasi pada penelitian ini yaitu melibatkan seluruh siswa SDN Tanjungsari 1 Tahun pelajaran 2022/2023 dengan teknik pengambilan sampel menggunakan *purposive sampling* sehingga sampel didapatkan dari kelas V berjumlah 25 siswa. Teknik pengumpulan data pada penelitian ini yaitu tes, Tes merupakan sebuah alat untuk mengukur kemampuan serta pemahaman seseorang terhadap keilmuan (akademis). Tes sudah Uji kelayakannya melalui Uji Validitas dan Uji Reliabilitas. Dihasilkan 15 butir soal yang valid dari 20 butir soal yang sudah diujicobakan. Teknik analisis data menggunakan Statistik deskriptif, Statistik Inferensial dan Uji Hipotesis dengan menggunakan uji t dengan rumus Paired Samples Test pada *software SPSS Versi 26 for windows* diperoleh nilai sig. (2-tailed) untuk angket yaitu $0.000 < 0.05$, maka H_0 ditolak. artinya dari hasil uji hipotesis instrumen terdapat perbedaan rata-rata pemahaman Konsep IPA di sekolah dasar antara hasil Pretest dan Posttest.

Kata Kunci : Model *Project Based Learning* (PjBL), pemahaman Konsep IPA.

***The Effect of the Project Based Learning (PjBL) Model on the Understanding
of Science Concepts in Elementary Schools***

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ABSTRACT

This study aims to prove whether there is an effect of the use of the Project Based Learning (PjBL) Model on the Understanding of Science Concepts in elementary schools in face-to-face learning carried out at SDN Tanjungsari 1, Dusun Turibarat 2, Tanjungsari Village, Cilebar District, Karawang Regency. This study uses a quantitative approach with a pre-experimental method with the type of One-Group Pretest-posttest design. The population in this study involved all students of Tanjungsari 1 Elementary School for the 2022/2023 academic year with a purposive sampling technique so that the sample was obtained from class V totaling 25 students. The data collection technique in this study was a test. The test is a tool to measure a person's ability and understanding of science (academic). The test has tested its feasibility through the Validity Test and Reliability Test. Produced 15 valid questions from 20 items that have been tried out. Data analysis techniques used descriptive statistics, inferential statistics, and hypothesis testing using the t-test with the Paired Samples Test formula in SPSS Version 26 software for Windows, the sig value was obtained. (2-tailed) for the questionnaire, namely $0.000 < 0.05$, then H_0 is rejected. meaning that from the results of the instrument hypothesis test, there is an average difference in understanding the concept of science in elementary schools between the results of the pretest and posttest.

Keywords: Project Based Learning (PjBL) model, understanding the concept of IPA