

ABSTRAK

Cahyani, Vika Fauzia. 2022. Pengaruh Model Pembelajaran *Problem Based Learning* Berbantuan Media Visual terhadap Kemampuan Berpikir Kritis Siswa pada Materi Sifat-Sifat Cahaya Kelas IV SDN Kepuh Kiriman 1 Waru-Sidoarjo. Skripsi. Program Studi Pendidikan Sekolah Guru Dasar. Fakultas Pedagogi dan Psikologi. Universitas PGRI Adi Buana Surabaya. Pembimbing: (1) Danang Prastyo, S. Pd.,M. Pd., (2) Imas Srinana Wardani, S.Pd., M.Pd.

Kata Kunci: *Model Pembelajaran Problem Based Learning, Kemampuan Berpikir Kritis, Sifat-Sifat Cahaya*

Tujuan penelitian ini untuk mengetahui pelaksanaan dalam menerapkan Model Pembelajaran *problem based learning* berbantuan media visual terhadap berpikir kritis siswa pada materi sifat-sifat cahaya siswa kelas IV SD dan untuk mengetahui pengaruh model pembelajaran *problem based learning* berbantuan media visual pada materi sifat-sifat cahaya terhadap kemampuan berpikir kritis siswa kelas IV SD.

Populasi dalam penelitian ini adalah siswa kelas IV. Sampel yang digunakan diambil dari dua kelas siswa kelas IV sekolah dasar Waru Sidoarjo. Teknik pengumpulan data ini menggunakan observasi model pembelajaran *problem based learning* dan tes kemampuan berpikir kritis siswa. Teknik analisis data uji hipotesis dilakukan dengan uji normalitas, uji homogenitas dan uji independent sample t test dengan berbantuan software IBM SPSS *Statistic 26.0 for window*

Berdasarkan hasil analisis pada penelitian tersebut dapat disimpulkan bahwa adanya pengaruh model pembelajaran *problem based learning* terhadap kemampuan berpikir kritis siswa pada

materi sifat-sifat cahaya kelas IV SDN Kepuh Kiriman I Waru Sidoarjo. Hal ini didasarkan pada hasil uji hipotesis serta perbedaan hasil tes kemampuan berpikir kritis siswa kelas eksperimen dan kelas kontrol dengan memperoleh nilai signifikansi (2-tailed) yaitu $0,000 < 0,05$ maka H_0 ditolak H_a diterima. Sehingga dapat disimpulkan bahwa adanya pengaruh yang signifikansi antara tes kemampuan berpikir kritis dengan penerapan model pembelajaran *problem based learning* pada materi sifat-sifat cahaya.

ABSTRACT

Cahyani, Vika Fauzia. 2022. The Effect of Visual Media Assisted Problem Based Learning Learning Model on Students' Critical Thinking Ability in the Material of Light Properties Class IV SDN Kepuh Kiriman 1 Waru-Sidoarjo. Essay. Elementary School Teacher Education Study Program. Faculty of Pedagogy and Psychology. PGRI Adi Buana University, Surabaya. Advisors: (1) Danang Prastyo, S. Pd., M.Pd., (2) Imas Srinana Wardani, S.Pd., M.Pd.

Keywords: Problem Based Learning Learning Model, Critical Thinking Ability, The Characteristics of Light

The purpose of this study was to determine the implementation in applying the Problem Based Learning Learning Model assisted by visual media to students' critical thinking on the material properties of light for fourth grade elementary school students and to determine the effect of the problem based learning learning model assisted by visual media on the material properties of light on the ability critical thinking of fourth grade elementary school students.

The population in this study were fourth grade students. The samples used were taken from two classes of fourth grade students at Waru Sidoarjo elementary school. This data collection technique uses observation of problem based learning models and tests of students' critical thinking skills. The data analysis technique is hypothesis testing using normality test, homogeneity test and independent sample t test with the help of IBM SPSS Statistic 26.0 software for window.

Based on the results of the analysis in this study, it can be concluded that there is an effect of the problem based learning model on students' critical thinking skills on the material properties of light

for class IV SDN Kepuh Sendan I Waru Sidoarjo. This is based on the results of hypothesis testing and the difference in critical thinking ability test results for experimental class and control class students by obtaining a significance value (2-tailed) that is $0.000 < 0.05$, then H_0 is rejected, H_a is accepted. So it can be concluded that there is a significant effect between the critical thinking ability test and the application of the problem based learning model on the material properties of light.