

PENGARUH MODEL PEMBELAJARAN *SEARCH, SOLVE, CREATE, SHARE* BERBANTUAN MEDIA SIMULASI *PHET* TERHADAP HASIL BELAJAR IPAS PESERTA DIDIK KELAS IV SD

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran *Search, Solve, Create, and Share (SSCS)* berbantuan media Simulasi *PHET* terhadap hasil belajar IPAS peserta didik kelas IV SD Gugus IV Kecamatan Sukawati Tahun Ajaran 2025/2026. Penelitian ini menggunakan pendekatan kuantitatif dengan jenis penelitian eksperimen semu dan desain *Nonequivalent Post-Test Only Control Group Design*. Populasi penelitian adalah seluruh peserta didik kelas IV SD Gugus IV Kecamatan Sukawati yang terdiri atas 8 kelas dari 7 sekolah dasar dengan jumlah 272 peserta didik. Analisis kesetaraan kemampuan awal peserta didik dilakukan menggunakan Analisis Varians Satu Arah (*ANAVA* satu jalur). Penentuan sampel dilakukan dengan teknik *random sampling*, sehingga diperoleh kelas IV SD Negeri 1 Batubulan Kangin sebagai kelompok eksperimen dengan jumlah 37 peserta didik dan kelas IV SD Negeri 2 Batubulan Kangin sebagai kelompok kontrol dengan jumlah 35 peserta didik. Kelompok eksperimen diberikan perlakuan berupa penerapan model pembelajaran *SSCS* berbantuan media Simulasi *PHET*, sedangkan kelompok kontrol menggunakan pembelajaran konvensional. Pengumpulan data dilakukan menggunakan tes objektif bentuk pilihan ganda. Analisis data menggunakan statistik deskriptif dan statistik inferensial. Berdasarkan uji prasyarat, data berdistribusi normal dan homogen, sehingga pengujian hipotesis dilakukan menggunakan uji-t *pooled varians*. Hasil analisis menunjukkan nilai t_{hitung} sebesar 9,089 lebih besar daripada t_{tabel} sebesar 1,667 pada taraf signifikansi 5% dengan derajat kebebasan 70, maka H_0 ditolak dan H_1 diterima. Dengan demikian, dapat disimpulkan bahwa model pembelajaran *SSCS* berbantuan media Simulasi *PHET* berpengaruh signifikan terhadap hasil belajar IPAS peserta didik kelas IV SD Gugus IV Kecamatan Sukawati.

Kata kunci: model pembelajaran *SSCS*, Simulasi *PHET*, hasil belajar IPAS

ABSTRACT

This study aimed to determine the effect of the Search, Solve, Create, and Share (SSCS) learning model assisted by PHET Simulation media on the IPAS learning outcomes of fourth-grade elementary school students in Cluster IV, Sukawati District, in the 2025/2026 academic year. This research employed a quantitative approach with a quasi-experimental research type and used the Nonequivalent Post-Test Only Control Group Design. The population of this study consisted of all fourth-grade students in Cluster IV of Sukawati District, comprising 8 classes from 7 elementary schools with a total of 272 students. The analysis of the equivalence of students' initial abilities was conducted using One-Way Analysis of Variance (One-Way ANOVA). The sample was determined using a random sampling technique, resulting in class IV of SD Negeri 1 Batubulan Kangin as the experimental group with 37 students and class IV of SD Negeri 2 Batubulan Kangin as the control group with 35 students. The experimental group received treatment through the implementation of the SSCS learning model assisted by PHET Simulation media, while the control group was taught using conventional learning. Data were collected using an objective test in the form of multiple-choice questions. Data analysis was carried out using descriptive statistics and inferential statistics. Based on the prerequisite tests, the data were normally distributed and homogeneous; therefore, hypothesis testing was conducted using the pooled variance t-test. The results of the analysis showed that the calculated t-value ($t_{count} = 9.089$) was greater than the t-table value ($t_{table} = 1.667$) at a significance level of 5% with 70 degrees of freedom. Thus, H_0 was rejected and H_1 was accepted. It can be concluded that the SSCS learning model assisted by PHET Simulation media has a significant effect on the IPAS learning outcomes of fourth-grade students in Cluster IV, Sukawati District.

Keywords: SSCS learning model, PHET Simulation, IPAS learning outcomes.

