

**PENGARUH MODEL PEMBELAJARAN *PROBLEM BASED LEARNING*
BERBANTUAN APLIKASI *LIVEWORKSHEET* TERHADAP HASIL
BELAJAR IPA SISWA KELAS V SD DI GUGUS VIII KECAMATAN
ABANG TAHUN PELAJARAN 2022/2023**

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ABSTRAK

Penelitian ini dilaksanakan dengan tujuan untuk mengetahui pengaruh model pembelajaran *problem based learning* berbantuan aplikasi *liveworksheet* terhadap hasil belajar IPA siswa kelas V SD di Gugus VIII Kecamatan Abang tahun pelajaran 2022/2023. Rancangan penelitian yang digunakan adalah penelitian eksperimen semu (*quasi-experimental design*) dengan bentuk design *nonequivalent post-test only control grup design*. Populasi pada penelitian ini berjumlah 182 siswa dari 8 sekolah dasar dan 8 kelas. Sampel pada penelitian ini adalah siswa kelas V SD Negeri 3 Bunutan sebanyak 39 siswa dan SD Negeri 4 Bunutan sebanyak 39 siswa. Data hasil belajar IPA siswa dikumpulkan dengan menggunakan metode tes dengan bentuk soal obyektif. Diperoleh rata-rata hasil belajar IPA siswa di kelas eksperimen sebesar 81,81 yang termasuk dalam kategori sangat tinggi dan di kelas kontrol sebesar 52,74 yang termasuk kategori sedang. Pada analisis statistik inferensial didapatkan hasil bahwa t_{hitung} sebesar 10,26 dan t_{tabel} sebesar 1,99 pada $df = 76$ dengan taraf signifikansi 5%. Ini menunjukkan bahwa $t_{hitung} > t_{tabel}$ sehingga H_0 ditolak dan H_a diterima. Dengan demikian, disimpulkan bahwa terdapat pengaruh model pembelajaran *problem based learning* berbantuan aplikasi *liveworksheet* terhadap hasil belajar IPA siswa kelas V SD di Gugus VIII Kecamatan Abang tahun pelajaran 2022/2023.

Kata kunci: *problem based learning*, *liveworksheet*, hasil belajar IPA.

ABSTRACK

This study was conducted with the aim of knowing the effect of the problem-based learning model assisted by the liveworksheet application on the science learning outcomes of fifth grade elementary school students in Gugus VIII, Abang District in the 2022/2023 academic year. The research design used was a quasi-experimental design with a nonequivalent post-test only control group design. The population in this study amounted to 182 students from 8 elementary schools and 8 classes. The samples in this study were the fifth grade students of SD Negeri 3 Bunutan as many as 39 students and SD Negeri 4 Bunutan as many as 39 students. Data on students' science learning outcomes were collected using the test method with objective questions. It was obtained that the average student science learning outcomes in the experimental class amounted to 81.81 which was included in the very high category and in the control class amounted to 52.74 which was included in the medium category. In the inferential statistical analysis, it was found that the t_{count} was 10.26 and the t_{table} was 1.99 at $df = 76$ with a significance level of 5%. This shows that $t_{\text{count}} > t_{\text{table}}$ so that H_0 is rejected and H_a is accepted. Thus, it is concluded that there is an effect of the problem-based learning model assisted by the liveworksheet application on the science learning outcomes of fifth grade elementary school students in Gugus VIII, Abang District in the 2022/2023 academic year.

Keywords: problem based learning, liveworksheet, sience learning outcomes