

ABSTRAK

PENGEMBANGAN E-LKPD INTERAKTIF *LIVESHEET* BERBASIS OBAK (OBSERVASI, BERPIKIR ANALISIS, DAN KOMUNIKASI) UNTUK MENINGKATKAN KEMAMPUAN BERPIKIR KRITIS PESERTA DIDIK KELAS VII

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Penelitian ini bertujuan untuk menghasilkan produk berupa E-LKPD interaktif *livesheet* berbasis OBAK (Observasi, Berpikir Analisis, dan Komunikasi) pada materi interaksi makhluk hidup dan lingkungannya serta mengetahui kelayakan dan efektivitas E-LKPD interaktif *livesheet* dalam meningkatkan kemampuan berpikir kritis peserta didik. Penelitian dilaksanakan pada semester ganjil di SMPN 2 Banjar Baru. Model pengembangan yang digunakan yaitu model 4D (*Define, Design, Develop, dan Disseminate*). Sampel diambil menggunakan teknik *random sampling* atau pengambilan sampel secara acak sehingga diperoleh kelas VII C sebanyak 33 siswa sebagai kelas eksperimen dan kelas VII B sebanyak 33 siswa sebagai kelas kontrol. Jenis data berupa data kuantitatif dan kualitatif. Data diperoleh melalui wawancara, angket, dan tes. Berdasarkan hasil penelitian, diperoleh skor kelayakan E-LKPD dengan kriteria “sangat layak” dari penilaian ahli materi sebesar 86,33%, ahli bahasa sebesar 78,75%, ahli media sebesar 89,2%, dan ahli praktisi sebesar 95,5%. Kemudian produk diujicoba skala kecil memperoleh skor kelayakan sebesar 85,2%, ujicoba skala besar memperoleh skor kelayakan sebesar 89,08% dengan kriteria “sangat layak”, dan dari hasil nilai *pretest-posttest* kelas eksperimen yang menggunakan E-LKPD mendapat skor nilai *N-gain* sebesar 0,51 kriteria “sedang” serta dari hasil uji hipotesis menggunakan *Mann-Whitney U* didapatkan nilai sig. (2-tailed) $0,00 < 0,05$. Dari hasil perhitungan menggunakan *effect size* didapatkan skor sebesar 2,31 dengan kategori besar yang artinya penggunaan E-LKPD interaktif *livesheet* berbasis OBAK efektif dalam meningkatkan kemampuan berpikir kritis peserta didik. Berdasarkan hasil penelitian dapat disimpulkan bahwa bahan ajar berupa E-LKPD interaktif *livesheet* berbasis OBAK yang telah dikembangkan memenuhi kategori sangat layak sehingga dapat dikatakan layak untuk digunakan dan efektif dalam meningkatkan kemampuan berpikir kritis peserta didik.

Kata Kunci: E-LKPD interaktif *livesheet*, model pembelajaran OBAK, berpikir kritis, interaksi makhluk hidup dengan lingkungannya

ABSTRACT

DEVELOPMENT OF INTERACTIVE E-LKPD LIVWORKSHEET BASED ON OBAK (OBSERVATION, ANALYTICAL THINKING, AND COMMUNICATION) TO IMPROVE CRITICAL THINKING SKILLS OF GRADE VII STUDENTS

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This study aims to produce products in the form of interactive E-LKPD liveworksheet based on OBAK (Observation, Analytical Thinking, and Communication) on the material of the interaction of living things and their environment and determine the feasibility and effectiveness of E-LKPD interactive liveworksheet in improving students' critical thinking skills. The research was conducted in the odd semester at SMPN 2 Banjar Baru. The development model used is the 4D model (Define, Design, Develop, and Disseminate). The sample was taken using random sampling technique or random sampling so that VII C class of 33 students was obtained as an experimental class and VII B class of 33 students as a control class. The types of data are quantitative and qualitative data. Data were obtained through interviews, questionnaires, and tests. Based on the results of the study, the E-LKPD feasibility score was obtained with "very feasible" criteria from the material expert assessment of 86.33%, language experts of 78.75%, media experts of 89.2%, and practitioner experts of 95.5%. Then the product was tested on a small scale to obtain a feasibility score of 85.2%, a large-scale trial obtained a feasibility score of 89.08% with the criteria "very feasible", and from the results of the pretest-posttest scores of the experimental class using E-LKPD got an N-gain score of 0.51 criteria "medium" and from the results of hypothesis testing using Mann-Whitney U obtained a sig value. (2-tailed) $0.00 < 0.05$. From the results of calculations using effect size, a score of 2.31 was obtained in the large category, which means that the use of interactive E-LKPD liveworksheet based on OBAK is effective in improving students' critical thinking skills. Based on the results of the study, it can be concluded that the teaching materials in the form of interactive E-LKPD liveworksheet based on OBAK that have been developed meet the very feasible category so that they can be said to be suitable for use and effective in improving students' critical thinking skills.

Keywords: Liveworksheet interactive E-LKPD, OBAK learning model, critical thinking, interaction of living things with their environment