

## ABSTRAK

### **PENGEMBANGAN LKPD BERBASIS OBAK (OBSERVASI, BERPIKIR ANALISIS, DAN KOMUNIKASI) TERHADAP HASIL BELAJAR KOGNITIF PADA MATERI SISTEM PENCERNAAN KELAS VIII SMP/MTs DI SMP NEGERI 15 BANDAR LAMPUNG**

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Penelitian ini bertujuan untuk menghasilkan produk berupa LKPD berbasis OBAK pada materi sistem pencernaan dan mengetahui kelayakan LKPD serta mengetahui efektifitas LKPD terhadap hasil belajar kognitif peserta didik. Penelitian dilaksanakan pada semester ganjil di SMPN 15 Bandar Lampung. Model pengembangan yang digunakan yaitu model 4D (*Define, Design, Develop, dan Disseminate*). Sampel diambil menggunakan teknik random sampling, diperoleh kelas VIII 1 sebanyak 26 siswa sebagai kelas eksperimen dan kelas VIII 5 sebanyak 30 siswa sebagai kelas kontrol. Jenis data berupa data kuantitatif dan kualitatif. Data diperoleh melalui wawancara, angket, dan test. Berdasarkan hasil penelitian, diperoleh skor kelayakan LKPD dari ahli materi sebesar 94,3% kriteria “Sangat Layak”, ahli bahasa sebesar 86,25% kriteria “Sangat Layak”, ahli media sebesar 82,6% kriteria “Sangat Layak”, dan ahli praktisi sebesar 80% kriteria “Sangat Layak”. Kemudian produk diuji coba skala kecil memperoleh skor kelayakan sebesar 86,41% kriteria “Sangat Layak”, uji coba skala besar memperoleh skor kelayakan sebesar 90,07% kriteria “Sangat Layak”, dan dari hasil nilai *pretest-posttest* pada kelas eksperimen yang menggunakan LKPD berbasis OBAK mendapat skor nilai *N-gain* sebesar 0,57 kriteria “sedang” serta dari hasil uji hipotesis menggunakan uji *independent sample t-test* menunjukkan bahwa Sig. (2-tailed)  $0,00 < 0,05$ . Dari hasil perhitungan menggunakan *effect size* didapatkan skor sebesar 1,75 dengan kategori besar. Dari hasil uji hipotesis menggunakan uji *independent sample t-test* dan perhitungan *effect size* dapat disimpulkan bahwa terdapat efektivitas penggunaan LKPD berbasis OBAK terhadap hasil belajar kognitif peserta didik dan dapat digunakan sebagai bahan ajar IPA SMP yang berperan dalam meningkatkan hasil belajar kognitif peserta didik.

**Kata kunci:** LKPD, model pembelajaran OBAK, Hasil belajar kognitif, Sistem pencernaan.

## **ABSTRACT**

### **DEVELOPMENT OF OBAK-BASED LKPD (OBSERVATION, ANALYSIS THINKING, AND COMMUNICATION) TOWARDS COGNITIVE LEARNING OUTCOMES ON THE DIGESTIVE SYSTEM MATERIAL OF GRADE VIII SMP/MTs AT SMP NEGERI 15 BANDAR LAMPUNG**

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*This study aims to develop a product in the form of a student worksheet (LKPD) based on OBAK for the topic of the digestive system, to assess its feasibility, and to evaluate its effectiveness on students' cognitive learning outcomes. The research was conducted during the odd semester at SMPN 15 Bandar Lampung. The development model used was the 4D model (Define, Design, Develop, and Disseminate). The sample was selected using a random sampling technique, resulting in class VIII-1 with 26 students as the experimental group, and class VIII-5 with 30 students as the control group. Both quantitative and qualitative data were collected through interviews, questionnaires, and tests. Based on the results, the feasibility scores of the LKPD were as follows: 94.3% from the subject matter expert (categorized as "Highly Feasible"), 86.25% from the language expert ("Highly Feasible"), 82.6% from the media expert ("Highly Feasible"), and 80% from the practitioner ("Highly Feasible"). A small-scale trial yielded a feasibility score of 86.41% ("Highly Feasible"), while a large-scale trial produced a score of 90.07% ("Highly Feasible"). The pretest-posttest results in the experimental class using the OBAK-based LKPD showed an N-gain score of 0.57, categorized as "moderate". Furthermore, the hypothesis test using the independent sample t-test indicated that Sig. (2-tailed) =  $0.00 < 0.05$ . The effect size calculation yielded a score of 1.75, which falls into the "large" category. Based on the results of the hypothesis testing and effect size analysis, it can be concluded that the OBAK-based LKPD is effective in improving students' cognitive learning outcomes and can be used as a science teaching material at the junior high school level to enhance students' academic performance.*

**Keywords:** LKPD, OBAK learning model, Cognitive learning outcomes, Digestive system.