PENGEMBANGAN LKPD INTERAKTIF BERBASIS SAINTIFIK PADA MATERI ORGAN GERAK HEWAN MUATAN IPA SISWA KELAS V DI SD NEGERI 1 DAUH PEKEN TABANAN TAHUN AJARAN 2021/2022

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ABSTRAK

Penelitian pengembangan ini bertujuan (1) untuk mendeskripsikan rancang bangun LKPD interaktif berbasis saintifik pada muatan IPA, (2) untuk mengetahui kelayakan pengembangan LKPD interaktif berbasis saintifik pada muatan IPA, (3) untuk mengetahui efektivitas pengembangan LKPD interaktif berbasis saintifik pada muatan IPA. Penelitian ini menggunakan model pengembangan ADDIE. Data penelitian dikumpulkan dengan metode wawancara, observasi, angket/kuesioner, dan tes. Dengan analisis deskriptif kuantitatif, deskriptif kualitatif, dan statistik inferensial. Hasil penelitian ini berupa (1) rancang bangun pengembangan LKPD interaktif berbasis saintifik pada muatan IPA melalui beberapa tahapan yaitu tahap analisis, desain, pengembangan, implementasi, evaluasi. (2) LKPD interaktif berbasis saintifik dikatakan layak berdasarkan hasil uji ahli isi/materi pelajaran sebesa 85,42%, uji ahli desain pembelajaran sebesar 90,63, uji ahli media pembelajaran sebesar 90%, uji coba perorangan sebesar 95%, uji coba kelompok kecil sebesar 92,5%, dan uji coba lapangan sebesar 91,42% (3) berdasarkan hasil uji-t sampel berkorelasi diperoleh bahawa nilai $t_{hitung} = 21,0069$ sedangkan nilai $t_{tabel} = 2,028$ dengan taraf signifikan 5%. Berarti nilai $t_{hitung} > t_{tabel}$ sehingga H_0 ditolak dan H_1 diterima. Sehingga dapat disimpulkan bahwa pengembangan LKPD interaktif berbasis saintifik efektif diterapkan pada materi organ gerak hewan pada muatan IPA di kelas V SD Negeri 1 Dauh Peken Tabanan Tahun Ajaran 2021/2022.

Kata Kunci : LKPD Interaktif, Berbasis Saintifik, Muatan IPA

ABSTRACT

This development research aims (1) to describe the design of scientifically based interactive LKPD on science content, (2) to determine the feasibility of developing scientifically based interactive LKPD on science content, (3) to determine the effectiveness of developing scientifically based interactive LKPD on science content. This study uses the ADDIE development model. The research data were collected by interview, observation, questionnaire/questionnaire, and test methods. With quantitative descriptive analysis, qualitative descriptive, and inferential statistics. The results of this study are (1) the design and development of scientific-based interactive LKPD on science content through several stages, namely the analysis, design, development, implementation, evaluation stages. (2) Scientific-based interactive LKPD is said to be feasible based on the results of the content/subject matter expert test of 85.42%, the learning design expert test of 90.63, the learning media expert test of 90%, the individual trial of 95%, the group trial small by 92.5%, and field trials of 91.42% (3) based on the results of the correlated sample t-test, it was obtained that the t-value = 21.0069 while the t-table value = 2.028 with a significant level of 5%. It means that the value of tcount > ttable so that H0 is rejected and H1 is accepted. So it can be concluded that the development of scientifically-based interactive LKPD is effectively applied to the material of animal movement organs in science content in class V SD Negeri 1 Dauh Peken Tabanan for the 2021/2022 academic year.

Keywords: Interactive LKPD, Scientific Based, Science Content