

ABSTRAK

Dede Antonius Permana Sinaga. 4202421011. Pengembangan E-LKPD Berbasis Inkuiri Terbimbing Untuk Mengoptimalkan Kemampuan Berpikir Kritis Siswa Pada Materi Usaha Dan Energi.

Penelitian ini dilakukan untuk mengoptimalkan kemampuan berpikir kritis siswa dengan menggunakan E-LKPD Berbasis Inkuiri Terbimbing untuk Mengoptimalkan Kemampuan Berpikir Kritis Siswa pada Materi Usaha dan Energi. Penelitian menggunakan penelitian *Research and Development* (R&D) dengan model pengembangan ADDIE. Penelitian divalidasi oleh ahli materi dan ahli media serta penilaian guru dan peserta didik. Analisis hasil belajar siswa dilihat dari hasil pengerjaan siswa terhadap E-LKPD yang diberikan. E-LKPD dikatakan efektif jika jumlah ketuntasan siswa lebih dari 75% serta rata-rata hasil belajar lebih besar dari KKM. Hasil validasi mendapatkan kriteria sangat valid dengan presentase 88,75%. Uji coba kelompok kecil yang telah dilakukan didapatkan persentase rata-rata kepraktisan 95% dan penilaian guru mendapatkan 86,75% dikatakan sangat praktis. Hasil penilaian siswa mendapatkan persen ketuntasan 83,33% dan nilai rata-rata 79,43. Hasil pengerjaan E-LKPD diperoleh 25 orang siswa tuntas dan 5 orang siswa tidak tuntas. Penggunaan E-LKPD dikatakan efektif karena jumlah ketuntasan siswa lebih dari 75% dan hasil belajar siswa lebih besar dari KKM.

Kata kunci: E-LKPD, Inkuiri Terbimbing, Usaha Dan Energi

ABSTRACT

Dede Antonius Permana Sinaga. 4202421011. Development of Guided inquiry-Based E-LKPD to Optimize Students Critical Thinking Abilities in Work and Energy.

This research was conducted to optimize students critical thinking abilities by using Guided Inquiry-Based E-LKPD to Optimize Students Critical Thinking on Work and Energy. The research uses Research and Development (R&D) research with the ADDIE development model. The research was validated by material experts and media experts as well as teacher and student assessments. Analysis of student learning outcomes is seen from the results of students' work on the given E-LKPD. E-LKPD is said to be effective if the number of students' completeness is more than 75% and the average learning result is greater than the KKM. The validation results get very valid criteria with a percentage of 88,75%. The small group trial that has been carried out obtained an average percentage of practicality of 95% and the teacher's assessment got 86,75% said to be very practical. The results of the student assessment get a completeness percentage of 83,33% and an average score of 79,43. The results of working on the E-LKPD obtained 25 students who completed and 5 students did not complete. The use of E-LKPD is said to be effective because the number of students' completeness is more than 75% and student learning outcomes are greater than the KKM.

Keywords: *E-LKPD, Guided Inquiry, Work and Energy*