

ABSTRAK

Angeline Septiana Sinaga. 4183121035. Pengembangan E-LKPD Berbasis Saintifik Untuk Meningkatkan *Higher Order Thinking Skill* (HOTS) Pada Materi Usaha Dan Energi.

Penelitian ini dilakukan untuk meningkatkan HOTS dengan menggunakan E-LKPD Berbasis Saintifik untuk Meningkatkan *Higher Order Thinking Skill* (HOTS) 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 90,62%. Uji coba kelompok kecil yang telah dilakukan didapatkan persentase rata-rata kepraktisan 97,65% dikatakan sangat praktis. Hasil penilaian siswa mendapatkan persen ketuntasan 76,6% dan nilai rata-rata 76,8. Hasil pengerjaan E-LKPD diperoleh 23 orang siswa tuntas dan 7 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, Saintifik, Usaha Dan Energi

ABSTRACT

Angeline Septiana Sinaga. 4183121035. Development of Scientific-Based E-LKPD to Increase Higher Order Thinking Skills (HOTS) in Work and Energy.

This research was conducted to improve HOTS by using a Scientific Based E-LKPD to Improve Higher Order Thinking Skills (HOTS) 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 90.62%. The small group trials that have been carried out obtained an average practicality percentage of 97.65%, said to be very practical. The results of the student assessment get a completeness percentage of 76.6% and an average score of 76.8. The results of working on the E-LKPD obtained 23 students who completed and 7 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, Scientific, Work and Energy