

Rikanawati. 2023. *LKPD Digital Berbasis MIKiR Pada Mata Pelajaran Teknologi Jaringan Berbasis Luas Untuk Kelas XI TKJ*. Skripsi, Program Studi Pendidikan Informatika, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Puji Rahayu Ningsih, S.Pd., M.Pd

ABSTRAK

Penelitian ini bertujuan untuk menghasilkan produk LKPD digital berbasis MIKiR pada mata pelajaran teknologi jaringan berbasis luas untuk kelas XI TKJ subjek penelitian di SMK Ki Hajar Dewantara Ponorogo. Penelitian ini menggunakan model ADDIE (*Analysis, Design, Development, Implementation, and Evaluation*). Hasil penelitian diperoleh data dari validasi ahli materi, validasi ahli media, dan validasi ahli bahasa. Validasi ahli materi mendapatkan persentase 96,0%, validasi ahli media mendapatkan persentase 97,0% dan validasi ahli bahasa mendapatkan persentase 95%. Setelah LKPD dinyatakan valid oleh validator, dilakukan uji coba produk. Uji coba kelompok kecil dengan jumlah 6 siswa mendapatkan persentase 85% dikategorikan sangat praktis dan uji coba kelompok besar dengan jumlah 2 guru dan 20 siswa mendapatkan persentase rata-rata 83% dikategorikan sangat praktis. LKPD digital yang efektif dilakukan dengan uji kelompok besar menggunakan soal *pretest* dan *posttest* menggunakan 2 uji yaitu uji gain, uji ketuntasan. Hasil uji n-gain mendapatkan 0,732988362 dikategorikan hasil belajar siswa terdapat perubahan sangat tinggi. Uji ketuntasan mendapatkan persentase 88% sehingga dikategorikan sangat efektif. Berdasarkan data yang diperoleh maka LKPD digital berbasis MIKiR pada mata pelajaran teknologi berbasis luas untuk kelas XI TKJ telah memenuhi kriteria valid, praktis, dan efektif sehingga layak digunakan untuk pembelajaran.

Kata kunci: LKPD Digital, MIKiR, ADDIE, *Liveworksheet*

Rikanawati. 2023. *MIKiR-Based Digital LKPD on Broad-Based Network Technology Subjects for Class XI TKJ*. Thesis, Informatics Education Study Program, Faculty of Education, Universitas Trunojoyo Madura. Advisor: Puji Rahayu Ningsih, S.Pd., M.Pd.

ABSTRACT

This research aims to produce MIKiR-based digital LKPD products in broad-based network technology subjects for class XI TKJ research subjects at SMK Ki Hajar Dewantara Ponorogo. This research uses the ADDIE model (Analysis, Design, Development, Implementation, and Evaluation). The research results obtained data from material expert validation, media expert validation, and linguist validation. Material expert validation received a percentage of 96.0%, media expert validation received a percentage of 97.0% and linguist validation received a percentage of 95%. After the LKPD was declared valid by the validator, a product trial was conducted. The small group trial with a total of 6 students got a percentage of 85% categorized as very practical and the large group trial with a total of 2 teachers and 20 students got an average percentage of 83% categorized as very practical. Effective digital LKPD is carried out with a large group test using pretest and posttest questions using 2 tests, namely the gain test, the completeness test. The n-gain test results get 0.732988362 categorized as student learning outcomes there is a very high change. The completeness test gets a percentage of 88% so it is categorized as very effective. Based on the data obtained, the MIKiR-based digital LKPD in broad-based technology subjects for class XI TKJ has met the valid, practical, and effective criteria so that it is suitable for use for learning.

Keywords: *Digital LKPD, MIKiR, ADDIE, Liveworksheet*