

ABSTRAK

Parwanti, Sylva Aulia. 2023. *Pengembangan Lembar Kerja Peserta Didik Memuat Soal Higher Order Thinking Skills dan QR Code Pada Materi Bangun Ruang Sisi Datar Kelas VIII SMP*. Skripsi. Program Studi Pendidikan Matematika, Fakultas Keguruan dan Ilmu Pendidikan. Universitas Maritim Raja Ali Haji. Pembimbing I: Assist. Prof. Dr. Nur Izzati, S.Pd., M.Si. Pembimbing II: Assist. Prof. Metta Liana, S.Pd., M.Pd.

Kata Kunci : LKPD, HOTS, QR Code, Bangun Ruang Sisi Datar, ADDIE

Penelitian ini dilatar belakangi oleh kurangnya sumber atau bahan ajar yang disediakan sekolah dalam melatih kemampuan berpikir tingkat tinggi peserta didik serta belum adanya bahan ajar yang memuat bantuan teknologi. Penelitian ini bertujuan untuk mengembangkan LKPD yang memuat soal HOTS dan QR Code yang valid, praktis dan efektif. Metode Penelitian ini menggunakan penelitian Research and Development (R&D) dengan pengembangan model ADDIE. Adapun subjek uji coba pada penelitian ini ialah peserta didik kelas VIII SMP Negeri 3 Bintan. Instrumen pengumpulan data pada penelitian ini adalah lembar wawancara, lembar angket, dan instrumen efektivitas. Teknis analisis data yang digunakan ialah analisis kualitatif dan kuantitatif. Hasil validasi ahli materi diperoleh persentase sebesar 92%, hasil validasi ahli media diperoleh persentase sebesar 92,73%, dan hasil validasi ahli bahasa diperoleh persentase sebesar 88,75%. Hasil angket respon pendidik diperoleh rata-rata sebesar 96,92 dengan memenuhi kriteria sangat praktis. Sedangkan, hasil angket respon peserta didik diperoleh rata-rata sebesar 87,86% dengan memenuhi kriteria praktis. Hasil N-gain diperoleh rata-rata sebesar 0,58 didapat bahwa LKPD yang dikembangkan efektif dengan kategori peningkatan sedang. Berdasarkan hasil analisis tersebut dapat disimpulkan bahwa, LKPD memuat soal HOTS dan QR Code memenuhi kriteria valid, praktis, dan efektif digunakan dalam melatih kemampuan berpikir tingkat tinggi peserta didik dan layak digunakan dalam pembelajaran.

ABSTRACT

Parwanti, Syla Aulia. 2023. *Development of Student Worksheets Contains Higher Order Thinking Skills and QR Code Approach to Class VIII Middle School Geometry Flat Side Materials*. Thesis. Mathematics Education Study Program, Faculty of Teacher Training and Education. Raja Ali Haji Maritime University. Advisor I: Assist. Prof. Dr. Nur Izzati, S.Pd., M.Si. Advisor II: Assist. Prof. Metta Liana, S.Pd., M.Pd.

Keyword : Workhseet, HOTS, QR Code, Geometry Flat Side, ADDIE

This research is motivated by the lack of resources or teaching materials provided by schools in training students' higher-order thinking skills and the absence of teaching materials that contain technological assistance. This study aims to develop worksheets that contain valid, practical and effective HOTS and QR Code questions. This research method uses Research and Development (R&D) research with the development of the ADDIE model. The test subjects in this study were class VIII students at SMP Negeri 3 Bintan. Data collection instruments in this study were interview sheets, questionnaire sheets, and effectiveness instruments. The data analysis technique used is qualitative and quantitative analysis. The results of the validation of material experts obtained a percentage of 92%, the results of the validation of media experts obtained a percentage of 92.73%, and the results of the validation of linguists obtained a percentage of 88.75%. The results of the educator response questionnaire obtained an average of 96.92 by fulfilling very practical criteria. Meanwhile, the results of the student response questionnaire obtained an average of 87.86% by fulfilling practical criteria. The N-gain results obtained an average of 0.58, it was found that the developed LKPD was effective with the moderate improvement category. Based on the results of this analysis, it can be concluded that the LKPD contains HOTS and QR Code questions that meet the criteria of being valid, practical, and effective for use in training students' high-level thinking skills and are suitable for use in learning.