

Haya Zahra, 2026. *Pengembangan booklet berbasis QR Code pada materi pengukuran panjang dengan satuan baku kelas III-A SDN Ketetang 1*. Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunodjoyo Madura. Pembimbing: Mohammad Edy Nurtamam, S.Pd., M.Si.

ABSTRAK

Abstrak: Tujuan penelitian ini adalah untuk mengembangkan *booklet* berbasis QR Code pada materi pengukuran panjang dengan satuan baku kelas III-A SDN Ketetang 1 yang valid, menarik, dan efektif. Penelitian ini menggunakan metode pengembangan model 4D (Define, Design, Development, Disseminate). Subjek penelitian ini adalah 31 siswa kelas III-A SDN Ketetang 1. Penelitian pengembangan ini menggunakan teknik pengumpulan data seperti observasi, wawancara, angket, dan tes. Hasil penelitian menunjukkan bahwa produk *booklet* berbasis QR Code yang dikembangkan telah dinyatakan valid, menarik, dan efektif. Kevalidan produk dinilai oleh beberapa ahli yaitu ahli materi sebesar 92,5%, ahli desain pembelajaran sebesar 98,21%, ahli bahan ajar sebesar 92,5%. ketiga hasil validasi tersebut termasuk dalam kategori “sangat valid”. Kemenarikan produk dinilai oleh angket respon guru uji terbatas sebesar 93% sedangkan uji implementasi 100%, dan angket respon siswa uji terbatas sebesar 96,89%, sedangkan uji implementasi 91,98%. Hasil tersebut memperoleh kategori “sangat menarik”. Keefektidan produk dinilai oleh observasi aktivitas siswa uji terbatas sebesar 81,81%, sedangkan uji implementasi sebesar 88,98%. Observasi aktivitas guru uji terbatas dan uji implemtasi sebesar 100%. Hasil tes belajar siswa uji coba terbatas dan implemntasi sebesar 100%. Hasil tersebut memperoleh kategori “sangat efektif”.

Kata Kunci: *booklet*, pengukuran panjang dengan satuan baku, qr code.

Haya Zahra, 2026. Development of a QR Code-based booklet on length measurement material with standard units of class III-A elementary school Ketetang 1. Elementary School Teacher Education Study Program, Faculty of Teacher Training and Education, University of Trunodjoyo Madura. Supervisor: Mohammad Edy Nurtamam, S.Pd., M.Si.

ABSTRACT

Abstract: The purpose of this study is to develop a QR Code-based booklet on length measurement material with a valid, attractive, and effective standard unit of class III-A elementary school Ketetang 1. This research uses the 4D model development method (Define, Design, Development, Disseminate). The subjects of this study are 31 students in grade III-A elementary school Ketetang 1. This development research uses data collection techniques such as observation, interviews, questionnaires, and tests. The results of the study show that the QR Code-based booklet product developed has been declared valid, attractive, and effective. The validity of the product was assessed by several experts, namely material experts at 92.5%, learning design experts at 98.21%, teaching material experts at 92.5%. The three validation results are included in the "very valid" category. The attractiveness of the product was assessed by the limited test teacher response questionnaire of 93% while the implementation test was 100%, and the limited test student response questionnaire was 96.89%, while the implementation test was 91.98%. The results earned the category of "very interesting". The effectiveness of the product was assessed by observation of the activities of the limited test students of 81.81%, while the implementation test was 88.98%. Observation of teacher activity is limited test and implementation test is 100%. The results of the student learning test were limited trials and implementation was 100%. The results earned the category of "highly effective".

Keywords: booklet, length measurement with standard units, qr code.