

ABSTRAK

Muhammad Rendy Eka 2026. *Rancang Bangun Media Pembelajaran Interaktif Berbasis Website Menggunakan Framework Laravel Untuk Siswa Kelas I SD Studi Kasus SDN 01 Taman Kota Madiun* Skripsi. Program Studi Teknik Informatika, FT, Universitas PGRI Madiun. Pembimbing (I) Muh Nur Luthfi Aziz S.Kom.,M.Kom (II) Alim Citra Aria Bima, S.Pd.,M.Kom

Perkembangan teknologi informasi memberikan peluang untuk meningkatkan kualitas proses pembelajaran di sekolah dasar. Berdasarkan hasil observasi di SDN 01 Taman Kota Madiun, proses pembelajaran masih didominasi penggunaan buku cetak dan metode ceramah sehingga penyampaian materi kurang menarik dan siswa cenderung cepat merasa bosan. Selain itu, media pembelajaran digital yang dapat diakses secara fleksibel oleh guru maupun siswa masih sangat terbatas. Penelitian ini bertujuan untuk merancang dan membangun media pembelajaran interaktif berbasis web yang dapat membantu guru dalam mengelola materi pembelajaran serta meningkatkan minat belajar siswa kelas 1. Metode pengembangan sistem yang digunakan adalah ADDIE (*Analysis, Design, Development, Implementation, Evaluation*). Tahapan penelitian meliputi analisis kebutuhan sistem, perancangan sistem menggunakan UML (*Use Case Diagram, Activity Diagram, Sequence Diagram, dan Class Diagram*), pengembangan aplikasi menggunakan Framework Laravel, implementasi pada lingkungan sekolah, role super admin operator admin guru dan user siswa serta evaluasi melalui pengujian sistem menggunakan metode *Black Box Testing*.

Kata Kunci: Media Pembelajaran Interaktif, Website, Laravel, ADDIE, *Black Box Testing*, Sekolah Dasar. Negeri 01 Taman Kota madiun

ABSTRACT

Muhammad Rendy Eka. 2026. Design and Development of a Web-Based Interactive Learning Media Using the Laravel Framework for First Grade Elementary School Students: A Case Study at SDN 01 Taman, Madiun City. Undergraduate Thesis. Department of Informatics Engineering, Faculty of Engineering, Universitas PGRI Madiun. Supervisor I: Muh Nur Luthfi Aziz, S.Kom., M.Kom. Supervisor II: Alim Citra Aria Bima, S.Pd., M.Kom.

The rapid development of information technology provides opportunities to improve the quality of learning in elementary schools. Based on observations conducted at SDN 01 Taman Kota Madiun, the learning process is still dominated by printed books and lecture methods, making learning activities less engaging and causing students to lose interest easily. In addition, digital learning media that can be accessed flexibly by teachers and students are still limited. Therefore, this study aims to design and develop a web-based interactive learning media that assists teachers in managing learning materials and increases students' learning motivation. This research employed the ADDIE (Analysis, Design, Development, Implementation, Evaluation) development model. The research stages included system requirement analysis, system design using UML diagrams (Use Case Diagram, Activity Diagram, Sequence Diagram, and Class Diagram), application development using the Laravel Framework, role admin super teacher admin and user system implementation, and evaluation through Black Box Testing.

Keywords: Interactive Learning Media, Web-Based Learning, Laravel, ADDIE, Black Box Testing, Elementary School.01 Taman Madiun City

