

ABSTRAK

Ryandika Ihza Mulia, 2026. Pengembangan Media Web Interaktif *Lumio* Terhadap Kemampuan Pemecahan Matematika Siswa Kelas V Sekolah Dasar. Skripsi Pendidikan Guru Sekolah Dasar, Fakultas Keguruan dan Ilmu Pendidikan, Universitas PGRI Madiun. Pembimbing (I) Dr. Hendra Erik Rudyanto, M.Pd. (II) Dr. Fida Rahmantika Hadi, M.Pd.

Kemampuan pemecahan masalah matematika menjadi salah satu kompetensi esensial yang harus dikembangkan pada siswa sekolah dasar. Akan tetapi, hasil analisis kebutuhan mengindikasikan bahwa kemampuan tersebut masih tergolong rendah. Kondisi ini dipengaruhi oleh proses pembelajaran yang masih didominasi oleh peran guru serta pemanfaatan media pembelajaran yang belum optimal dalam mendukung keterlibatan siswa. Penelitian ini bertujuan untuk menganalisis tingkat kelayakan media web interaktif Lumio serta mengetahui tanggapan guru dan siswa terhadap penggunaannya dalam meningkatkan kemampuan pemecahan masalah matematika siswa kelas V di SDN Balerejo 02. Penelitian dilaksanakan menggunakan metode Research and Development (R&D) dengan model pengembangan ADDIE. Data dikumpulkan melalui teknik observasi, wawancara, dan penyebaran angket. Hasil penelitian menunjukkan bahwa media web interaktif Lumio memperoleh kategori sangat layak berdasarkan validasi para ahli serta mendapatkan respons positif dari guru maupun siswa. Oleh karena itu, media web interaktif Lumio dapat dijadikan sebagai alternatif media pembelajaran yang efektif untuk digunakan pada jenjang sekolah dasar.

Kata Kunci: Kemampuan Pemecahan Masalah Matematika, Web Interaktif Lumio, Sekolah Dasar

ABSTRACT

Ryandika Ihza Mulia, 2026. The Development of the Lumio Interactive Web-Based Medium on the Mathematical Problem-Solving Skills of Fifth-Grade Elementary School Students. Thesis in Elementary School Teacher Education. Thesis. Elementary School Teacher Education Program, Faculty Of Teacher Training and Education, UNIVERSITAS PGRI MADIUN. Advisors: Dr. Hendra Erik Rudyanto, M.Pd., Co-Advisors Dr. Fida Rahmantika Hadi, M.Pd.

Key Terms: Mathematical Problem-Solving Skills, Lumio Interactive Web, Elementary School

Mathematical problem-solving is an essential competency that elementary school students need to develop. However, the results of the needs analysis revealed that students' problem-solving skills remain relatively low, primarily due to teacher-centered instructional practices and the limited use of effective learning media. This study aimed to evaluate the feasibility of the Lumio interactive web-based learning media and to investigate teachers' and students' responses to its implementation in enhancing the mathematical problem-solving skills of fifth-grade students at SDN Balerejo 02. The study employed a Research and Development (R&D) approach using the ADDIE model, which consists of Analysis, Design, Development, Implementation, and Evaluation stages. Data were collected through observations, interviews, and questionnaires. The findings indicated that the Lumio interactive web-based media achieved a high level of feasibility based on expert validation and received positive feedback from both teachers and students. Therefore, the Lumio interactive web-based learning media can be considered an appropriate and effective instructional tool for use in elementary school mathematics learning.