

ABSTRAK

Zendrato, Niat Wati. 2025. Pengembangan Media Pembelajaran Berbasis Website Melalui Google Sites untuk Meningkatkan Kemampuan Numerasi Matematika Siswa UPTD SMP Negeri 6 Gunungsitoli. Skripsi. Pembimbing Yakin Niat Telaumbanua, S.Pd., M.Pd.

Penelitian ini dilatarbelakangi oleh hasil observasi awal di UPTD SMP Negeri 6 Gunungsitoli dan diperoleh hasil bahwa rata-rata kemampuan numerasi matematika siswa masih tergolong rendah dan jumlah buku mata pelajaran matematika yang terbatas di kalangan siswa. Tujuan penelitian ini yaitu untuk mengembangkan media pembelajaran berbasis website melalui *Google Sites* untuk meningkatkan kemampuan numerasi matematika siswa pada materi statistika di UPTD SMP Negeri 6 Gunungsitoli. Jenis penelitian yang digunakan adalah *Research and Development* (R&D) dengan model pengembangan 4-D (*Define, Design, Develop, Disseminate*). Subjek penelitian terdiri dari siswa kelas VIII dan guru matematika. Instrumen pengumpulan data meliputi angket validasi ahli materi, ahli media, dan ahli bahasa, angket respon siswa dan guru, serta tes kemampuan numerasi. Hasil penelitian menunjukkan bahwa media pembelajaran yang dikembangkan dinyatakan sangat valid oleh ahli materi (88% dan 95%), ahli media (96%), dan ahli bahasa (91%). Media juga dinyatakan sangat praktis berdasarkan respon siswa pada uji perorangan (93%), uji kelompok kecil (91%), uji lapangan (93%), serta respon guru (93%). Dari segi keefektifan, media mampu meningkatkan kemampuan numerasi siswa dengan persentase ketuntasan klasikal sebesar 76% (kategori efektif) dan nilai rata-rata 79,29 (kategori sedang). Kesimpulan penelitian ini adalah media pembelajaran berbasis *website* melalui *Google Sites* valid, praktis, dan efektif untuk meningkatkan kemampuan numerasi matematika siswa. Disarankan agar guru memanfaatkan media ini dalam pembelajaran dan peneliti selanjutnya dapat mengembangkan media serupa untuk materi yang lebih luas.

Kata kunci: Media Pembelajaran, Google Sites, Kemampuan Numerasi, 4D

ABSTRACT

Zendrato, Niat Wati. 2025. The Development of Website-Based Learning Media through Google Sites to Improve Students' Mathematical Numeracy Skills at UPTD SMP Negeri 6 Gunungsitoli. Thesis. Supervisor Yakin Niat Telaumbanua, S.Pd., M.Pd.

This research was motivated by initial observations at UPTD SMP Negeri 6 Gunungsitoli, which showed that the average mathematical numeracy skills of students were still relatively low, and the availability of mathematics textbooks among students was limited. The aim of this study was to develop web-based learning media using Google Sites to improve students' numeracy skills in the topic of statistics. The research employed a Research and Development (R&D) approach using the 4-D model (Define, Design, Develop, Disseminate). The research subjects included eighth-grade students and a mathematics teacher. Data collection instruments consisted of validation questionnaires by content experts, media experts, and language experts; student and teacher response questionnaires; and numeracy skill tests. The results showed that the developed learning media was considered highly valid by content experts (88% and 95%), media experts (96%), and language experts (91%). The media was also deemed highly practical based on student responses in individual trials (93%), small group trials (91%), field trials (93%), and teacher responses (93%). In terms of effectiveness, the media successfully improved students' numeracy skills with a classical completeness percentage of 76% (categorized as effective) and an average score of 79.29 (moderate category). The conclusion of this research is that web-based learning media through Google Sites is valid, practical, and effective in improving students' mathematical numeracy skills. It is recommended that teachers utilize this media in the learning process, and future researchers are encouraged to develop similar media for broader subject matter.

Keywords: Learning Media, Google Sites, Numeracy Skills, 4D