

ABSTRAK

Nilam Sari Simarmata, NIM 4182111040 (2023). Pengembangan Media Pembelajaran Matematika *Articulate Storyline* Terhadap Kemampuan Pemahaman Konsep Matematis Siswa Di Kelas VIII-2 MTs Nurul Islam Indonesia Medan

Penelitian ini bertujuan untuk mengetahui kevalidan, kepraktisan, dan keefektifan dari media pembelajaran matematika *Articulate Storyline* yang telah dikembangkan dan untuk mengetahui bagaimana proses jawaban siswa dalam menyelesaikan permasalahan pada tes kemampuan pemahaman konsep matematis siswa setelah menggunakan *Articulate Storyline*. Jenis penelitian ini adalah penelitian pengembangan dengan model pengembangan ADDIE (*Analysis, Design, Development, Implementation, dan Evaluation*). Subjek penelitian ini adalah siswa kelas VIII-2 MTs Nurul Islam Indonesia Medan yang berjumlah 15 siswa. Hasil penelitian menunjukkan persentase validitas pengembangan media sebesar 85% sebelum revisi dan sebesar 98% setelah direvisi dari ahli materi serta sebesar 61,67% sebelum revisi dan sebesar 98% setelah direvisi dari ahli media, yang berada pada kriteria sangat valid. Kepraktisan media telah memenuhi kriteria praktis, berdasarkan respon guru diperoleh persentase sebesar 100% dan dari respon siswa diperoleh persentase sebesar 92,36%. Keefektifan media telah memenuhi kriteria efektif ditinjau dari ketuntasan belajar siswa secara klasikal mencapai 86,67%, penggunaan waktu penelitian sesuai dengan RPP, dan respon siswa dengan persentase sebesar 91,67%. Dan hasil uji N-Gain yaitu 0,70 yang berada pada kategori tinggi. Untuk proses jawaban siswa pada tes kemampuan awal pemahaman konsep matematis (*pre-test*) persentase sebesar 38,89% meningkat menjadi 46,67% pada tes kemampuan akhir pemahaman konsep matematis (*post-test*). Peningkatan kemampuan pemahaman konsep matematis siswa tersebut menjadi penguatan terhadap pengembangan media pembelajaran matematika *Articulate Storyline* dalam proses pembelajaran di kelas.

Kata Kunci : *Articulate Storyline*, Model Pengembangan ADDIE, Pemahaman Konsep Matematis



ABSTRACT

Nilam Sari Simarmata, NIM 4182111040 (2023). Development of Articulate Storyline Mathematics Learning Media on the Ability to Understand Mathematical Concepts in Class VIII-2 Students at MTs Nurul Islam Indonesia Medan

This research aims to determine the validity, practicality and effectiveness of the Articulate Storyline mathematics learning media that has been developed and to find out the process of students' answers in solving problems in tests of students' ability to understand mathematical concepts after using Articulate Storyline. This type of research is development research with the ADDIE (Analysis, Design, Development, Implementation and Evaluation) development model. The subjects of this research were 15 students in class VIII-2 MTs Nurul Islam Indonesia Medan. The research results showed that the percentage of validity of media development was 85% before revision and 98% after revision from material experts and 61.67% before revision and 98% after revision from media experts, which is in very valid criteria. The practicality of the media has met practical criteria, based on teacher responses, a percentage of 100% was obtained and from student responses a percentage of 92.36% was obtained. The effectiveness of the media has met the effective criteria in terms of classical student learning completeness reaching 86,67%, use of research time in accordance with the RPP, and student response with a percentage of 91.67%. And the N-Gain test result is 0.70 which is in the high category. For the student answer process in the initial ability test for understanding mathematical concepts (pre-test), the percentage was 38.89%, increasing to 46.67% in the final ability test for understanding mathematical concepts (post-test). Increasing students' ability to understand mathematical concepts strengthens the development of Articulate Storyline mathematics learning media in the classroom learning process.

Keywords: Articulate Storyline, ADDIE Development Model, Understanding Mathematical Concepts

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