

ABSTRAK

Riski, NIM 4171121029 (2017). Pengembangan Media Berbantuan *Articulate Storyline 3* Pada Materi Usaha dan Energi Untuk Siswa Kelas X Madrasah Aliyah Tahfizil Qur'an Yayasan Islamic Centre Sumatera Utara.

Penelitian ini bertujuan untuk (1) mengetahui kelayakan produk media (2) mengetahui efektivitas penggunaan media berbantuan *Articulate Storyline 3* pada materi usaha dan energi. Penelitian ini menggunakan metode (R&D) dengan model pengembangan 4D meliputi tahapan (*define, design, dan development*). Produk media yang dikembangkan divalidasi oleh 3 validator ahli yang terdiri dari 2 orang dosen fisika dan 1 orang guru fisika. Rata-rata hasil validasi media berbantuan *Articulate Storyline 3* yang telah dikembangkan dari ahli media dengan persentase 89.6% , ahli materi 97% dengan masing-masing persentase tersebut termasuk dalam kategori sangat layak. Penilaian persentase respon siswa terhadap media berbantuan *Articulate Storyline 3* yang telah dikembangkan sebesar 94.7% dengan kriteria respon tinggi. Penggunaan media berbantuan *Articulate Storyline 3* pada materi usaha dan energi diperoleh rata-rata *N-Gain Score* sebesar 0.7 dengan kategori tinggi. Sehingga dapat dikatakan bahwa efektivitas penggunaan media berbantuan *Articulate Storyline 3* yang dikembangkan dalam proses pembelajaran dapat dinilai efektif, karena terdapat peningkatan kemampuan kognitif siswa dibandingkan sebelum menggunakan media.

Kata kunci: Media, *Articulate Storyline 3*, Usaha dan Energi, 4D

ABSTRACT

Riski, NIM 4171121029 (2017). Media Development Assisted by Articulate Storyline 3 On Work and Energy Material for Class X Students of Madrasah Aliyah Tahfizil Qur'an Foundation Islamic Centre North Sumatera.

This study aims to (1) determine the feasibility of media products (2) determine the effectiveness of using Articulate Storyline 3-assisted media on business and energy materials. This research uses the method (R&D) with a 4D development model including stages (define, design, and development). The media products developed were validated by 3 expert validators consisting of 2 physics lecturers and 1 physics teacher. The average results of media validation assisted by Articulate Storyline 3 that have been developed from media experts with a percentage of 89.6%, material experts 97% with each of these percentages included in the very decent category. The assessment of the percentage of student responses to Articulate Storyline 3 assisted media that has been developed is 94.7% with high response criteria. The use of Articulate Storyline 3-assisted media on business and energy material obtained an average N-Gain Score of 0.7 in the high category. So it can be said that the effectiveness of using Articulate Storyline 3 assisted media developed in the learning process can be considered effective, because there is an increase in students' cognitive abilities compared to before using media.

Keywords: Media, Articulate Storyline 3, Work and Energy, 4D