ABSTRAK

Yolanda, NIM 4213121055 (2021). Pengembangan E-Modul Berbantuan Aplikasi *Heyzine Flipbook* Untuk Meningkatkan Kemampuan Berpikir Kritis Siswa di SMA Negeri 1 Percut Sei Tuan.

Penelitian ini bertujuan untuk menghasilkan E-Modul berbantuan aplikasi *Heyzine Flipbook* yang valid, praktis, dan efektif pada materi pengukuran sehingga mampu meningkatkan kemampuan berpikir kritis siswa. Penelitian ini menggunakan model ADDIE diawali dengan melakukan analisis kurikulum, analisis kebutuhan, analisis peserta didik, analisis sarana dan prasarana, membuat desain produk, kemudian mengembangkan produk E-Modul berbantuan aplikasi *Heyzine Flipbook* untuk meningkatkan kemampuan berpikir kritis siswa, melakukan validasi ahli materi dan ahli media setelah itu melakukan uji coba E-Modul materi pengukuran dikelas X-8 berjumlah 35 siswa serta respon guru dan respon siswa untuk kepraktisan. Respon siswa terbagi menjadi dua, yaitu kelompok kecil berjumlah 6 siswa kelas X-2 dan kelompok besar berjumlah 35 siswa kelas X-8, serta tes untuk melihat peningkatan kemampuan berpikir kritis siswa kelas X-8 sehingga diketahui keefektifan E-Modul. Hasil penelitian validasi ahli materi dan ahli media menunjukan bahwa E-Modul menggunakan aplikasi *Heyzine Flipbook* sangat layak digunakan dengan memperoleh % rata-rata sebesar 91%. Pada tahap uji coba diperoleh bahwa E-Modul sangat praktis digunakan dengan memperoleh % rata-rata sebesar 81% dari validasi guru serta siswa pada kelompok kecil dan kelompok besar dengan memperoleh % rata-rata sebesar 87,5%. Selanjutnya berdasarkan hasil *Pre-test* dan *Post-test* kemampuan berpikir kritis siswa menunjukan bahwa E-Modul efektif digunakan dengan memperoleh *N-Gain* sebesar 0,74.

Kata Kunci : E-Modul, Aplikasi Heyzine Flipbook, Kemampuan Berpikir Kritis, ADDIE.

ABSTRACK

Yolanda, NIM 4213121055 (2021). Development of E-Modules Assisted by Heyzine Flipbook Application to Improve Students' Critical Thinking Skills at SMA Negeri 1 Percut Sei Tuan.

This research aims to produce an E-Module assisted by the Heyzine Flipbook application that is valid, practical, and effective in measurement materials so that it can improve students' critical thinking skills. This research using the ADDIE model began with conducting curriculum analysis, needs analysis, student analysis, facilities and infrastructure analysis, making product designs, then developing E-Module products assisted by the heyzine Flipbook application to improve students' critical thinking skills, validating material experts and media experts after which conducted a trial of the E-Module of measurement material in class X-8 totaling 35 students as well as teacher responses and student responses for practicality. The students' responses were divided into two, namely a small group of 6 students in class X-2 and a large group of 35 students in class X-8, as well as a test to see the improvement of critical thinking skills of students in class X-8 so that the effectiveness of the E-Module was known. The results of the validation research of material experts and media experts show that the E-Module using the Heyzine Flipbook application is very feasible to use with an average % of 91%. In the trial stage, it was found that the E-Module was very practical to use by obtaining an average % of 81% of the validation of teachers and students in small groups and large groups with an average % of 87.5%. Furthermore, based on the results of the Pre-test and Post-test, students' critical thinking skills show that the E-Module is effectively used by obtaining an N-Gain of 0.74.

Keywords: E-module, Heyzine Flipbook Application, Critical Thinking Skills, ADDIE.

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