

ABSTRAK

Afrida Khairani Rangkuti, NIM (4192421002), Pengembangan E-Modul Fisika Berbantuan *Kvisoft Flipbook Maker* Pada Materi Elastisitas dan Hukum Hooke Kelas XI di MAS Muallimin Univa Medan.

Telah dilakukan penelitian pengembangan *e-modul* fisika berbantuan *kvisoft flipbook maker* pada materi elastisitas dan hukum hooke dengan bertujuan untuk mengetahui kelayakan, kepraktisan dan keefektifan *e-modul*. Penelitian ini dilakukan di MAS Muallimin Univa Medan dengan jenis penelitian *Research and Development* (R&D) menggunakan model 4D dari Thiagarajan (*define, design, development, disemminate*). Subjek dari penelitian ini adalah siswa-siswi kelas XI MIA 4 sebanyak 35 orang. Instrumen penelitian ini meliputi angket lembar validasi *e-modul*, angket respon peserta didik, dan tes hasil belajar. Hasil data kelayakan oleh para ahli diperoleh nilai rata-rata sebesar 88,1% dengan kriteria sangat layak. Kepraktisan *e-modul* diperoleh dalam uji coba kelompok kecil sebesar 80,9% serta dalam uji coba kelompok besar sebesar 82% dengan kategori praktis. Keefektifan *e-modul* diperoleh persentase sebesar 74% dengan kategori efektif. *E-modul* yang dikembangkan sudah layak, praktis dan efektif serta dapat dijadikan sumber belajar.

Kata Kunci : Pengembangan, *e-modul*, *kvisoft flipbook maker*, elastisitas dan hukum hooke.



ABSTRACT

Afrida Khairani Rangkuti, NIM (4192421002), Development of Physics E-Modules Assisted by Kvisoft Flipbook Maker on Elasticity and Hooke's Law Class XI at MAS Muallimin Univa Medan.

A research has been conducted on the development of physics *e-modules* assisted by Kvisoft Flipbook Maker on elasticity and Hooke's law material with the aim of knowing the feasibility, practicality and effectiveness of *e-modules*. This research was conducted at MAS Muallimin Univa Medan with the type of Research and Development (R&D) research using the 4D model from Thiagarajan (define, design, develop, disseminate). The subjects of this study were 35 students of class XI MIA 4. This research instrument includes an *e-module* validation sheet questionnaire, a student response questionnaire, and a learning outcomes test. The results of feasibility data by experts obtained an average value of 88.1% with very feasible criteria. The practicality of *e-modules* was obtained in a small group trial of 80.9% and in a large group trial of 82% with a practical category. The effectiveness of *e-modules* obtained a percentage of 74% with the effective category. The *e-modules* developed are feasible, practical and effective and can be used as learning resources.

Kata Kunci : Development, *e-modules*, kvisoft flipbook maker, elasticity and hooke's law

