

ABSTRAK

Arifin, Imam. 2024. *Pengembangan e-modul interaktif pembelajaran Fisika berbasis Problem Based Learning (PBL) berorientasi pada kemampuan berpikir kreatif peserta didik SMA /MA*: Tesis, Program Studi Magister Teknologi Pendidikan, Pasca Sarjana Universitas Jambi, Pembimbing (1) Dr. Zurweni, M. Si. Pembimbing (II) Ahmad Habibi, Ph.D.

Kata Kunci: Pengembangan, *e-modul*, interaktif

Bahan ajar interaktif merupakan salah satu faktor yang dapat meningkatkan minat dan hasil belajar peserta didik. Salah satu bahan ajar interaktif ialah *e-modul* interaktif. Tujuan penelitian ini adalah untuk mendeskripsikan perencanaan, perancangan dan pengembangan *e-modul* pembelajaran, menilai kelayakan teoritis, konseptual dan praktis *e-modul* interaktif, mendeskripsikan respon teman sejawat dan mendeskripsikan daya tarik *e-modul* interaktif berbasis Problem Based Learning (PBL). Metode penelitian yang digunakan adalah Research and Development.

Subjek dalam penelitian adalah peserta didik SMA IT Ash-Shiddiqi Jambi. Model pengembangan yang dijadikan acuan adalah model pengembangan Lee dan Owen, dengan tahapan *Analysis, Design, Development, Implementation, and Evaluation* (ADDIE). Hasil penelitian menunjukkan hasil validasi ahli materi sebesar 97,33% dengan kategori sangat layak. Dan hasil validasi ahli media sebesar 90,77% dengan kategori sangat layak. Dan diperoleh respon guru dengan skor 90,91% dengan kategori sangat sesuai. Kemudian uji coba satu-satu memperoleh skor 77,22% dengan kategori baik. Selanjutnya dilakukan uji coba kelompok kecil didapatkan skor 84,73% dan uji coba lapangan sebesar 89,26 %. Jadi *e-modul* interaktif untuk pembelajaran fisika berbasis PBL layak digunakan oleh peserta didik SMA IT Ash-Shiddiqi Jambi.

Dari hasil penelitian yang telah dilakukan dapat disimpulkan bahwa *e-modul* interaktif yang dikembangkan dapat dikatakan layak secara konseptual, procedural dan praktik serta efektif untuk pembelajaran yang berorientasi pada kemampuan berfikir kreatif peserta didik SMA/MA.

ABSTRACT

Arifin, Imam. 2024. *Development of an interactive e-module for Physics learning based on Problem Based Learning (PBL) oriented towards the creative thinking abilities of SMA/MA students: Thesis, Master of Educational Technology Study Program, Postgraduate Program, Jambi University, Supervisor (1) Dr. Zurweni, M. Si. Supervisor (II) Ahmad Habibi, Ph.D.*

Keywords: *Development, e-mode, interactive*

Interactive teaching materials are one factor that can increase student interest and learning outcomes. One of the interactive teaching materials is e-mode interactive. The purpose of this research is to describe planning, design and development e-mode learning, assessing theoretical, conceptual and practical feasibility e-mode interactive, describing peer responses and describing attractiveness e-mode interactive based on Problem Based Learning (PBL). The research method used is Research and Development.

The subjects in the research were students at Ash-Shiddiqi Jambi IT High School. The development model used as a reference is the Lee and Owen development model, with stages Analisis, Design, Development, Implementation, and Evaluation (ADDIE). The research results showed that the material expert validation results were 97.33% with a very feasible category. And the validation results from media experts were 90.77% in the very feasible category. And the teacher response was obtained with a score of 90.91% in the very appropriate category. Then the one-on-one trial obtained a score of 77.22% in the good category. Next, a small group trial was carried out with a score of 84.73% and a field trial of 89.26%. So e-mode PBL-based interactive learning for physics is suitable for use by Ash-Shiddiqi Jambi IT High School students.

From the results of the research that has been carried out it can be concluded that e-mode The interactive developed can be said to be conceptually, procedurally and practically feasible and effective for learning that is oriented towards the creative thinking abilities of SMA/MA students.