

Tanti Alfrida Novianti. 2021. *Pengembangan E-Modul Berbasis Problem based learning Untuk Meningkatkan Kemampuan Berpikir Kritis Materi Kecepatan*. Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing : Rika Wulandari, S.Pd., M.Pd.

ABSTRAK

Tujuan penelitian pengembangan ini adalah untuk mengembangkan mengembangkan *e-modul* berbasis *problem based learning* untuk meningkatkan kemampuan berpikir kritis pada materi kecepatan kelas V SD Muhammadiyah 1 Babat, Kecamatan Babat, Kabupaten Lamongan secara valid, praktis dan efektif. Penelitian pengembangan ini menggunakan model 4D. Berdasarkan hasil validasi, didapatkan hasil persentase sebagai berikut : ahli desain pembelajaran 86%, ahli bahan ajar 90%, ahli materi 76%, dan ahli bahasa 90%. Berdasarkan hasil tersebut diperoleh rata-rata persentase kevalidan sebesar 85,5% (Sangat valid). Kepraktisan *e-modul* diukur dari angket respon peserta didik, angket respon guru, dan keterlaksanaan pembelajaran dengan pemerolehan hasil sebagai berikut: angket respon peserta didik 95% (sangat praktis), angket respon guru 88% (sangat praktis), dan keterlaksanaan pembelajaran 81,5% (sangat praktis). Keefektifan *e-modul* diperoleh dari hasil belajar klasikal dan daya serap klasikal peserta didik dengan hasil sebagai berikut: kriteria belajar klasikal 100% (Tuntas), dan daya serap klasikal 91,7% (Tuntas). Berdasarkan hasil penelitian maka *e-modul* berbasis *problem based learning* dikatakan valid, praktis, dan efektif untuk meningkatkan kemampuan berpikir kritis peserta didik materi kecepatan kelas V SD Muhammadiyah 1 Babat.

Kata Kunci : *E-modul* berbasis *problem based learning*, kemampuan berpikir kritis, 4D.

Tanti Alfrida Novianti. 2021. E-module development based problem based learning to increase critical thought ability about speed, Thesis, Elementary School Teacher Education Study Program, Faculty of Education, University of Trunojoyo Madura. Advisor : Rika Wulandari, S.Pd., M.Pd.

ABSTRACT

The objectives of this development study is to develop an e-module based on problems based learning to improve critical thinking ability on SD Muhammadiyah 1 babat about speed, densities, valid, and effective lamdistrict. This development research uses model 4D. Based on validation results, percentage results are obtained the following: learning design experts 86%, materials specialist 90%, materials expert 76%, and linguist 90%. Based on these results results are obtained an average of a valican percentage of 85,5% (valid). The skill e-modules are measured from the protege response Numbers, the teacher's response Numbers, and the accessibility of learning with the following results: educate response is 95% (very practical), teacher response Numbers are 88% (very practical), and the accessibility of learning 81.5% (very practical). Keethe effectiveness of e-modules comes from classified learning and categorical inclusion of participants with results: classify learning criteria 100% (done), and classification value value 91.7% (done). Based on research, e-modules based on the problem based learning are said to be valid, practical, and effective for improving critical thought capability.

Keywords : E-module development based problem based learning, critical thinking, 4D.