

Sariatul Fitri. 2023. *Pengembangan E-Magazine Berbasis Problem Based Learning Pada Materi Pencemaran Lingkungan*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Ibu Ana Yuniasti Retno Wulandari.

ABSTRAK

E-Magazine merupakan media informasi yang dapat dijadikan sebagai media pembelajaran yang inovatif pada era digital. Tujuan penelitian ini adalah untuk mengetahui kelayakan, respons serta keterbacaan siswa terhadap penggunaan *e-Magazine* berbasis *problem based learning* pada materi pencemaran lingkungan. penelitian yang dilakukan termasuk dalam penelitian pengembangan menggunakan model ADDIE tanpa tahapan *implementation*. Model pengembangan ADDIE memiliki 5 tahap yaitu *Analysis*, *Design*, *Development*, *Implementation* dan *Evaluation*. Populasi yang diambil pada penelitian adalah seluruh siswa kelas VII UPTD SMPN 2 Burneh. Sampel pengambilan data penelitian terdiri dari 3 kategori yaitu *one to one*, *small group* dan *field trial*. Hasil penelitian menunjukkan bahwa: 1) Hasil validitas pada aspek media memperoleh nilai rata-rata sebesar 0,9 dengan kriteria sangat valid dan reliabilitasnya mendapatkan nilai rata-rata sebesar 94,37% dengan kriteria *reliable*. Hasil validitas pada aspek materi memperoleh nilai rata-rata sebesar 0,96 dengan kriteria sangat valid dan reliabilitasnya mendapatkan nilai rata-rata sebesar 96,43% dengan kriteria *reliable*. 2) Respons siswa pada uji coba *one to one* mendapatkan nilai rata-rata sebesar 97,40%, uji coba *small group* mendapatkan nilai rata-rata sebesar 89,17%, uji coba *field trial* mendapatkan nilai rata-rata sebesar 92,89%. 3) Keterbacaan siswa pada uji coba *one to one* mendapatkan hasil rata-rata sebesar 93,06%, uji coba *small group* mendapatkan nilai rata-rata sebesar 87,71% dan uji coba *field trial* mendapatkan nilai rata-rata sebesar 95,21%. Perolehan hasil tersebut menunjukkan bahwa penggunaan *e-Magazine* berbasis *problem based learning* pada materi pencemaran lingkungan layak digunakan dalam pembelajaran.

Kata Kunci : *E-Magazine*, Pencemaran lingkungan, *Problem based Learning*.

Sariatul Fitri. 2023. *Development of Problem-Based Learning-Based E-Magazine on Environmental Pollution Materials*. Thesis, Science Education Study Program, Faculty of Education, Trunojoyo University, Madura. Advisor: Mrs. Ana Yuniasti Retno Wulandari.

ABSTRAK

E-Magazine is an information media that can be used as an innovative learning media in the digital era. The purpose of this study was to determine the feasibility, response and readability of students to the use of e-Magazine based on problem-based learning on environmental pollution material. The research conducted was included in development research using the ADDIE model without the implementation stage. The ADDIE development model has 5 stages, namely Analysis, Design, Development, Implementation and Evaluation. The population taken in the study were all seventh grade students of UPTD SMPN 2 Burneh. The research data collection sample consists of 3 categories, namely one to one, small group and field trial. The results showed that: 1) The results of validity in the media aspect obtained an average value of 0.9 with very valid criteria and its reliability obtained an average value of 94.37% with reliable criteria. The validity results on the material aspect obtained an average value of 0.96 with very valid criteria and the reliability obtained an average value of 96.43% with reliable criteria. 2) Student responses in the one to one trial received an average score of 97.40%, the small group trial received an average score of 89.17%, the field trial received an average score of 92.89%. 3) Student readability in the one to one trial received an average result of 93.06%, the small group trial received an average score of 87.71% and the field trial received an average score of 95.21%. The results show that the use of e-Magazine based on problem-based learning on environmental pollution material is feasible to use in learning.

Keywords: *E-Magazine, Environmental pollution, Problem based learning.*