

ABSTRAK

Shinta Mardiana Rumahorbo, NIIM 4181131005 (2022). Pengembangan Media *E-Learning* Berbasis *Webblog* Dengan Pendekatan CTL Pada Materi Laju Reaksi Terhadap Hasil Belajar Siswa.

Penelitian ini bertujuan untuk (1) mengetahui hasil analisis kebutuhan media (2) mengetahui kelayakan media *E-Learning* Berbasis *Webblog* dengan pendekatan CTL pada materi laju reaksi yang dikembangkan berdasarkan BSNP (3) mengetahui respon siswa terhadap media *E-Learning* berbasis *Webblog* dengan pendekatan CTL pada materi Laju Reaksi (4) mengetahui peningkatan hasil belajar siswa terhadap media *E-Learning* Berbasis *Webblog* dengan Pendekatan CTL. Analisis kebutuhan media dilakukan dengan wawancara kepada guru mata pelajaran kimia kelas XI SMAN 1 Sibolga. Penelitian ini menggunakan metode (R&D) dengan model pengembangan ADDIE meliputi tahapan (*analysis, design, development, implementation dan evaluation*). Produk media yang dikembangkan divalidasi oleh 3 validator ahli yang terdiri dari 2 orang dosen kimia dan 1 orang guru kimia. Rata-rata hasil validasi media *E-Learning* berbasis *Webblog* dengan pendekatan CTL yang telah dikembangkan oleh dosen dan guru kimia adalah 3.70 dengan kategori sangat layak dan validasi materi adalah 3.71 dengan kategori sangat layak dan tidak perlu revisi. Penilaian presentasi respon siswa terhadap media *E-Learning* berbasis *Webblog* yang dikembangkan sebesar 74.5% dengan kriteria respon tinggi. Penggunaan Media terintegrasi *Contextual Teaching and Learning* (CTL) pada materi laju reaksi diperoleh rata-rata *N-Gain Score* sebesar 56% dimana artinya pembelajaran menggunakan media *E-Learning* berbasis *webblog* cukup efektif untuk meningkatkan hasil belajar siswa. Dari hasil uji hipotesis diperoleh *sig. (2. Tailed)* sebesar 0.00 dimana *sig.* yang diperoleh < 0.05 yang artinya ada peningkatan hasil belajar siswa.

Kata kunci: Media, *Contextual Teaching and Learning*, Laju Reaksi, ADDIE

ABSTRACT

Shinta Mardiana Rumahorbo, NIIM 4181131005 (2022). Development of Webblog-Based E-Learning Media with CTL Approach on Reaction Rate Material on Student Learning Outcomes.

This study aims to (1) determine the results of media needs analysis (2) determine the feasibility of Webblog-based E-Learning media with a CTL approach on the reaction rate material developed based on BSNP (3) knowing the students' responses to the Webblog-based E-Learning media with the CTL approach on the Reaction Rate material (4) knowing the improvement of student learning outcomes on Webblog-Based E-Learning media with CTL Approach. Analysis of media needs was carried out by interviewing the chemistry class teacher of SMAN 1 Sibolga. This study uses the method (R&D) with the ADDIE development model covering the stages (analysis, design, development, implementation and evaluation). The developed media product was validated by 3 expert validators consisting of 2 chemistry lecturers and 1 chemistry teacher. The average result of Webblog-based E-Learning media validation with the CTL approach that has been developed by chemistry lecturers and teachers is 3.70 in the very feasible category and material validation is 3.71 in the very feasible category and does not need revision. The assessment of the presentation of student responses to the developed Webblog-based E-Learning media was 74.5% with high response criteria. The use of Contextual Teaching and Learning (CTL) integrated media on the reaction rate material obtained an average N-Gain Score of 56% which means that learning using webblog-based E-Learning media is quite effective in improving student learning outcomes. From the results of hypothesis testing obtained sig. (2. Tailed) of 0.00 where sig. obtained <0.05, which means there is an increase in student learning outcomes.

Keywords: Media, Contextual Teaching and Learning, Rate of Reaction, ADDIE