ABSTRAK
PENGEMBANGAN VIDEO PEMBELAJARAN TITRASI ASAM BASA UNTUK MENDUKUNG KEMAMPUAN ANALISIS PESERTA DIDIK

Monica Galuh Indayana
Universitas Sanata Dharma
2021

Penggunaan video pembelajaran dapat membantu peserta didik untuk lebih memberikan perhatian pada proses pembelajaran. Selain itu, video pembelajaran dapat memberikan pengalaman belajar untuk melatih kemampuan analisis peserta didik. Titrasi asam basa merupakan salah satu materi yang sulit dipahami. Penelitian ini bertujuan untuk mengetahui validitas, kepraktisan dan efektivitas produk berupa video pembelajaran kimia pada materi titrasi asam basa dalam mendukung kemampuan analisis peserta didik kelas XI. Pengembangan video pembelajaran menggunakan model *Borg and* Gall (1983) yang telah dimodifikasi menjadi lima tahapan. Uji coba terbatas dilakukan di SMA Pangudi Luhur Sedayu dengan melibatkan sembilan peserta didik. Instrumen penelitian yang digunakan meliputi lembar wawancara, lembar validasi, soal evaluasi, portofolio dan angket respon peserta didik. Hasil penelitian menunjukkan bahwa (1) produk sangat valid dari segi materi dan media dengan rata-rata skor 0,86 dan 0,90; praktis dengan rata-rata persentase 77,01% untuk video pembelajaran titrasi asam basa dan 74,70% untuk video percobaan titrasi asam basa; (2) produk video pembelajaran termasuk ke dalam kategori efektif dengan rata-rata persentase 71,32% dan video percobaan termasuk ke dalam kategori sangat efektif dengan rata-rata persentase 77,48%.

Kata kunci: video pembelajaran titrasi asam basa, kemampuan analisis, model Borg *and* Gall.

ABSTRACT
DEVELOPMENT OF CHEMICAL LEARNING VIDEOS OF ACID BASE TITRATION MATERIALS TO SUPPORT STUDENTS' ANALYTICAL SKILLS

Monica Galuh Indayana
Sanata Dharma University
2021

The use of learning videos can help students to pay more attention to the learning process. In addition, learning videos can provide learning experiences to train students' analytical skills. Acid-base titration is one of the difficult materials to understand. This study aims to determine the validity, practicality and effectiveness of the product in the form of a chemistry learning video on acid-base titration material in supporting the analytical skills of class XI students. The development of learning videos uses the Borg and Gall (1983) model which has been modified into five stages. A limited trial was conducted at Pangudi Luhur Sedayu High School involving nine students. The research instruments used include interview sheets, validation sheets, evaluation questions, portfolios and student response questionnaires. The results showed that (1) the product was very valid in terms of material and media with an average score of 0.86 and 0.90; practical with an average percentage of 77.01% for acid-base titration learning videos and 74.70% for acid-base titration experiment videos; (2) learning video products are included in the effective category with an average percentage of 71.32% and experimental videos are included in the very effective category with an average percentage of 77.48%.

Keywords: acid-base titration chemistry learning video, analytical skills, Borg and Gall models.