

PENGEMBANGAN VIDEO PEMBELAJARAN PADA MATERI LAJU REAKSI BERMUATAN BUDAYA LOKAL BALI

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ABSTRAK

Pengembangan video pembelajaran pada materi laju reaksi bermuatan budaya lokal Bali belum pernah dilakukan. Penelitian ini bertujuan untuk mendeskripsikan dan menjelaskan karakteristik, validitas, keterbacaan, dan kepraktisan video pembelajaran pada materi laju reaksi bermuatan budaya lokal Bali. Jenis penelitian ini adalah penelitian dan pengembangan dengan menggunakan model pengembangan Plomp. Penelitian ini dilakukan hingga tahap *assessment phase* uji kepraktisan. Hasil penelitian ini menunjukkan bahwa video pembelajaran pada materi laju reaksi bermuatan budaya lokal Bali yang dihasilkan memiliki karakteristik (1) terdiri dari tujuh belas video yang saling berhubungan, (2) materi kimia yang dibahas adalah laju reaksi sub materi faktor-faktor yang memengaruhi laju reaksi, (3) video pembelajaran bermuatan budaya lokal Bali, (4) video dilengkapi dengan tautan akses LKPD, soal, dan materi tambahan, (5) format video MP4. Hasil uji validitas video pembelajaran pada materi laju reaksi bermuatan budaya lokal Bali dinyatakan sangat valid dari segi isi dengan persentase indeks kelayakan sebesar 86%, sangat valid dari segi bahasa dengan persentase indeks kelayakan sebesar 85%, dan sangat valid dari segi media dengan persentase indeks kelayakan sebesar 94,55%. Hasil uji keterbacaan video pembelajaran pada materi laju reaksi bermuatan budaya lokal Bali dinyatakan terbaca sangat jelas dengan persentase indeks kelayakan sebesar 82,85%. Hasil uji kepraktisan video pembelajaran pada materi laju reaksi bermuatan budaya lokal Bali oleh guru dan siswa dinyatakan sangat praktis dengan persentase indeks kelayakan secara berturut-turut sebesar 87% dan 81%. Berdasarkan hasil uji validitas, keterbacaan, dan kepraktisan yang dilakukan, video pembelajaran pada materi laju reaksi bermuatan budaya lokal Bali dapat dikatakan layak untuk diuji keefektifannya dalam pembelajaran.

Kata kunci: video pembelajaran, laju reaksi, budaya lokal Bali, validitas, keterbacaan, kepraktisan

THE DEVELOPMENT OF LEARNING VIDEOS ON REACTION RATE MATERIALS CONTAINED WITH BALINESE LOCAL CULTURE

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ABSTRACT

The development of learning videos containing Balinese local culture is still rare. The development of learning videos on reaction rate material with Balinese local culture has never been done. This study aims to describe and explain the characteristics, validity, readability, and practicality of learning videos on the subject of reaction rates containing local Balinese culture. This type of research is research and development using the Plomp development model. This research was conducted up to the practical test assessment phase. The results of this study indicate that the learning videos on reaction rate material containing local Balinese culture produced have the characteristics of (1) consisting of seventeen videos that are interconnected between one video and another, (2) the chemical material discussed is the reaction rate sub material factors that affect the reaction rate, (3) learning videos containing local Balinese culture, (4) videos equipped with LKPD access links, questions, and additional material, (5) MP4 video format. The results of the validity test of the learning video on the reaction rate material containing Balinese local culture were declared very valid in terms of content with an eligibility index percentage of 86%, very valid in terms of language with an eligibility index percentage of 85%, and very valid in terms of media with an index percentage feasibility of 94.55%. The results of the readability test of the learning video on the reaction rate material containing Balinese local culture were stated to be very clear and legible with a feasibility index percentage of 82.85%. The results of the practicality test of the learning video on the reaction rate material containing Balinese local culture by teachers and students were stated to be very practical with a feasibility index percentage of 87% and 81%, respectively. Based on the results of the validity, readability, and practicality tests carried out, the learning video on the reaction rate material with local Balinese culture can be said to be worthy of being tested for its effectiveness in learning.

Keywords: learning video, reaction rate, Balinese local culture, validity, readability, practicality