

ABSTRAK

Siti Nur Hamidah: Pembuatan laboratorium virtual berorientasi representasi kimia pada praktikum elektrolisis

Penelitian ini bertujuan untuk mendeskripsikan tampilan dan menganalisis validasi serta kelayakan produk media pembelajaran laboratorium virtual pada praktikum elektrolisis. Metode yang digunakan yaitu penelitian *Design Based Research (DBR)*. Tahapan penelitian ini terdiri dari tahap analisis dan tahap pengembangan desain serta menganalisis uji validasi dan uji kelayakan. Hasil validasi secara keseluruhan didapat r_{hitung} 0,87 dan dinyatakan valid, sedangkan hasil uji kelayakan didapatkan persentase sebesar 83,33-91,67%. Persentase tersebut menunjukkan bahwa laboratorium virtual berorientasi representasi kimia pada praktikum elektrolisis layak digunakan sebagai media pembelajaran.

Kata kunci: Laboratorium virtual, representasi kimia, praktikum elektrolisis.



ABSTRACT

Siti Nur Hamidah: The development virtual laboratory oriented towards chemistry representation in electrolysis practicum

This study aims to describe the appearance and analyze the validation and feasibility of virtual laboratory learning media products in the electrolysis practicum. The method used is Design Based Research (DBR). The stages of this research consisted of the analysis phase and the design development stage as well as analyzing the validation and feasibility tests. The overall validation results obtained r count 0.87 and declared valid, while the feasibility test results obtained a percentage of 83.33-91.67%. This percentage shows that the virtual laboratory oriented on the representation of chemistry in electrolysis practicum is suitable as a learning media.

Kata kunci: Virtual laboratory, chemistry representation, electrolysis practicum.

