

ABSTRAK

Nisa Rosmawati Pengembangan Media Pembelajaran *Visual Basic Application* (VBA) *PowerPoint* Berorientasi Multipel Representasi pada Materi Asam Basa

Penelitian ini bertujuan untuk mendeskripsikan tampilan media pembelajaran VBA *PowerPoint*, menganalisis hasil uji validasi dan uji kelayakan media pembelajaran VBA *PowerPoint* berorientasi multipel representasi pada materi asam basa. Metode yang digunakan yaitu metode *Design Based Research* (DBR), dengan tiga tahapan yaitu, *analysis*, *design* dan *development* untuk mendapatkan produk berupa media pembelajaran VBA *PowerPoint* yang menampilkan teks, gambar dan animasi. Tahapan tersebut meliputi analisis materi asam basa, analisis multipel representasi pada materi asam basa, perancangan media pembelajaran VBA *PowerPoint* dan pengembangan media pembelajaran VBA *PowerPoint*. Instrumen yang digunakan yaitu angket validasi dan angket kelayakan. Hasil penelitian yang didapat berupa produk media pembelajaran VBA *PowerPoint* berorientasi multipel representasi pada materi asam basa dengan hasil uji validasi rerata r_{hitung} 0,79 dan persentase kelayakan 81,118%. Media pembelajaran VBA *PowerPoint* dinyatakan valid dan sangat layak digunakan sebagai salah satu bahan ajar kimia.

Kata kunci: media pembelajaran, VBA *PowerPoint*, multipel representasi, asam basa



ABSTRACT

Nisa Rosmawati

Development Learning Media Visual Basic Application (VBA) Oriented to Multiple Representations on Acid Base Material

This study to describe the appearance of learning media VBA PowerPoint, analyze the result of the validation test and eligibility test of learning media VBA PowerPoint oriented to multiple representations on acid base material. The method used is the Design Based Reaseach (DBR) method with three stages, namely analysis, design and development to get a product in the form of a learning media VBA PowerPoint that displays text, image and animation. These stages include anlysis of acid base material, analysis of multiple representations of acid base material, designing learning media VBA PowerPoint and developing learning media VBA PowerPoint. The instrument used was a validation test questionnaire filled out and eligibility test questionnaire filled out. The result of this research is product learning media VBA PowerPoint oriented to multiple representations on acid base material with the mean validation test result r_{count} 0,79 and percentration of eligibility 81,118%. Learning media VBA PowerPoint is declared valid and very worth it to used as one chemistry teaching materials.

Keywords: learning media, VBA PowerPoint, multiple representations, acid base

