

MEDIA DEVELOPMENT: VIRTUAL LABORATORY BASE ON STRUCTURED INQUIRY IN ACID BASE TITRATION

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Abstract

This study aimed to develop and determine the feasibility of virtual-based laboratory media containing acid-base titration materials. The development model used in this study is the research and development carried out by Borg and Gall. Consists of 7 stages of the R & D development model, including; research and information collecting, planning, develop preliminary form of product, preliminary field testing, main product revision, main field testing, final product revision. The instrument used in this study is a questionnaire used to obtain data input for products, and quantitative scores as the value of media feasibility. The results of the media expert's assessment were 100%, material experts 93.33%, and student responses were 84.87%. Therefore, laboratory media included in the category of feasibility, can be used as a medium of learning for middle school students.

Keywords: Development, Virtual Laboratory, Structured Inquiry, Acid-base titration.