

Simulation and Modeling of Science Phenomenon Using Phet Interactive Simulation on Science Learning to Improve Ability of Abstract Concept Analysis in Packaging of Blogger Based Electronic Module

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ABSTRACT

This study aims to: 1) Find the simulation design and modeling of interactive simulation phet in the packaging of electronic module based on blogger that can improve the ability of analysis of abstract concept of learners, 2) to know the feasibility of simulation and modeling of interactive simulation phet in the packaging of electronic module based on blogger in science learning in schools in terms of content (material) and presentation strategies by experts and parktisi.

The research method to be used is Reasech and Development (R & D) with the steps: 1) Research and information collecting, 2) Planning, 3) Develop preliminary form of product, 4) Preliminary field testing, and 5) Main product revision. The research instrument that will be used is the material expert's appraisal sheet, the media expert's appraisal sheet, teacher's response questionnaire, student's response questionnaire and Pre Test and Post Test questions to determine the effectiveness of the product in improving the analytical skills of IPA concepts.

The result of this research are: 1) simulation and phet interactive simulation model has been developed in the packaging of electronic module based on blogger 2) simulation product development and phet interactive simulation modeling in packaging of blogger based electronic module on science learning is considered worthy of content aspect (material) and strategy of presentation by experts and parktisi.

Kata Kunci: *Simulation, PhET Simulation, Electronic Module, Blogger*