

# **TRAINING SIMULATION AND MODELING OF SCIENCE USING PHET INTERACTIVE TO IMPROVE TEACHER SKILLS IN ABSTRACT CONCEPT OF SCIENCE**

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## **ABSTRACT**

The purpose of this training is to train the skill of science teacher of IGI member of Sleman District in: 1) using Phet Interactive Simulation science modeling program, 2) arrange Student Work Sheet to implement Phet Interactive Simulation-based science modeling program in learning in the classroom. The training was conducted through several stages of activity, namely: 1) Preparation of "Phet Interactive Simulation" Module, 2) Training of use "Phet Interactive Simulation", 3) Workshop on making student worksheet based on Phet Interactive simulation as implementation of program in classroom. Through a series of three-days training, trainees have been able to use Phet Interactive Simulation, and they are able to develop Students Worksheet to implement Phet Interactive Simulation in classroom. The output of this training is the ten Phet Interactive Simulation Students Worksheet that have been successfully prepared by the trainees.

Kata Kunci: *Training, Simulation and Modeling, Phet Interactive Simulation*