INVESTIGATING STUDENT TEACHERS’ UNDERSTANDING OF MODELS IN SCIENCE EDUCATION

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Abstract

The purpose of the study was to investigate student teachers’ understanding of the role and nature of models. One hundred and sixty four student teachers from various departments (23 physics, 17 chemistry, 21 biology, 47 science and 56 elementary education) were voluntarily selected and participated in the study. The study was conducted with students enrolled in teaching science methods course at one of the largest western universities of Turkey. Data were collected via a five-point Likert-type scale developed by Treagust, Chittleborough & Mamiala (2002) and adopted Turkish by Güneş et al. (2004). Preliminary findings indicated that student teachers had a variety of conceptions about models. Further findings and discussions will be made during the presentation.

References


Key Words: Student teachers; science education, models, modelling,