

EFFECT OF 5 E MODEL-BASED TEACHING ON PEDAGOGICAL COMPETENCY OF BIOSCIENCE TRAINEE TEACHERS DURING B.ED. INTERNSHIP PROGRAM

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ABSTRACT

Development of pedagogical competency of science teacher is an important quality to be enhanced in the teacher education institutions. To improve teaching and pedagogical competency, pre-service teacher education system organizes internship activities in which trainee teachers need to deliver lessons in the practicing schools. 5 E model-based teaching and learning is one of the significant model of constructivist theory. However, its use in B.Ed. internship program is considered as a new way of designing practical experience for pre-service teacher education. Because most of the teacher education institutions prefer to provide training on traditional and activity-based lesson planning skill instead of constructivist one. Hence, it is important to explore effectiveness of 5 E model-based teaching on development of pedagogical competency of trainee teachers. The main objective of the study was to find out the effect of 5 E model-based teaching on pedagogical competency of Bioscience trainee teachers during B.Ed. Internship program pre-test post-test experimental research methodology has been carried out to conduct the study. One performance test on pedagogical competency is taken as a tool for this research. It is found that there exists significant difference in between post-test control group and experimental group with respect to achievement of B.Ed. Bioscience teachers in pedagogical competency test. It is suggested that in teacher education system 5 E model can be utilized as an effective model of lesson planning and internship teaching for improving their pedagogical competency.

KEYWORDS: 5 E Model; Classroom Transaction; B.Ed. Trainee & Pedagogical Competency