

A Study of Pedagogical Knowledge of Primary Science Teachers for Creating Learning Environment in Selected Schools of Mrauk U Township, Rakhine State

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Abstract

The purpose of this research is to study pedagogical knowledge of primary science teachers for creating learning environment in the selected schools of Mrauk U Township, Rakhine State. A total of 150 primary science teachers from selected Basic Education Schools participated in this study. The level of pedagogical knowledge and the variation of pedagogical knowledge of primary science teachers for creating learning environment were explored. Quantitative approaches were applied in this study. Questionnaire was developed by the researcher based on the related literature. The reliability coefficient (Split-half) was 0.89 for the questionnaire to explore the pedagogical knowledge of primary science teachers for creating a learning environment.

Descriptive statistics, IPC (Item Percent Correct), MPC (Mean Percent Correct) were employed for the analysis of quantitative data. In interpreting the MPC and IPC values, 1% to 49% is considered as unsatisfactory level, the value between 50% to 74 % as fairly satisfactory and the value 75% to 100% as satisfactory. According to the total mean percent values, most of the primary science teachers had satisfactory level of pedagogical knowledge for creating learning environment.

Key words: pedagogical knowledge, learning environment

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