SCHOOL-BASED PROFESSIONAL LEARNING INVENTORY (SPLI): INVENTORY DEVELOPMENT, FACTOR ANALYSIS, VALIDITY AND RELIABILITY

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Abstract

The purpose of this article is to report the development, validity and reliability of School-based professional learning inventory (SPLI) that has been used to evaluate secondary teachers’ perception toward school-based professional learning. The first phase of the study has been carried out through Exploratory Factor Analysis by using data from 166 trained teachers from 19 secondary schools in Batang Padang District, Perak. The Exploratory Factor Analysis through orthogonal rotation varimax method has shown twelve SPLI factors from three main constructs have been developed. The Cronbach Alpha of the overall items is .918. For the second phase of the study, the Confirmatory Factor Analysis has been carried out toward data of 372 trained teachers from 41 secondary schools in Malaysia. The purpose of this analysis is to support the factor structure developed from the first phase of the study. The Cronbach Alpha of the items is .940, meanwhile for each factor developed ranged from .663 to .915. As the conclusion, the result of Confirmatory Factor Analysis has supported the existing twelve factors developed the first phase of the study.

Keywords: Exploratory Factor Analysis, Confirmatory Factor Analysis, School-based Professional Learning.