DEVELOPMENT OF TPACK INSTRUMENTS FOR PRESERVICE TEACHER

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ABSTRACT

It is very important to measure teacher competence through TPACK. Therefore, this study aims to develop a TPACK instrument for preservice teachers in the Faculty of Engineering, UNY. To obtain these results, the TPACK instrument was developed and analyzed using a multi-variate approach through 5 stages, namely: (1) determining constructs and questions, (2) expert review, (3) instrument refinement and item refinement, (4) finalization instrument, and (5) finalization of the structural model in developing the instrument. Confirmatory Factor Analysis (CFA) method will be used to measure the level of validity and reliability of items. This research is expected to increase understanding of the TPACK framework and the theories that contribute to the development of TPACK. More specifically, it can explore the nature of the relationship between TPACK components for preservice teachers.

Kata Kunci: *TPACK, multivariate, preservice teacher, CFA*