

Developing and Validating an Instrument: Teachers' Readiness on TPACK and 21st Century Skills in Relationship with Job Stress at School

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Abstract

Being a teacher is one of the most stressful occupations in the world. The lack of suitable knowledge and teaching skills might hinder a teacher from carrying their role and responsibility as a teacher. There are also situations when even though teachers have the right knowledge and skills, they are not ready to practice both competencies, and this will give pressure to them as well. The paper describes the survey development, the validation process and the results from the pilot study on teachers' readiness on Technological Pedagogical Content Knowledge (TPACK) and 21st century skills in relationship with the job stress at school. This pilot study involved 32 teachers from national secondary schools in greater Kuala Lumpur area. The Cronbach's Alpha statistic of each variable and factor domains were determined. The results suggest that all 110 items are reliable, and the instrument is valid. This finding will help educators to conduct more research pertaining to this topic.

Keywords: TPACK; 21st Century Skills; Readiness; Job Stress, Teacher
