

Reliability and Validity of UMP-KI Items

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Abstract

The article describes the validation process of the UMP Soft Skill assessment items also known as UMP-KI. The first section of this article discusses the methods involved in the development of the instrument which includes sampling and procedure for data analysis. The second section explains the development procedure of the (UMP-KI), reliability as well as validity of measurement. The third section describes the data analyses. Finally, the fifth section reports the results, which is the psychometric properties of the measurement.

Keywords: UMP-KI Items; Soft Skill; Validity

INTRODUCTION

The UMP-KI stands for 'University Malaysia Pahang - Kemahiran Insaniah' (Soft Skills). UMP-KI is an online assessment system that incorporate collection of items measuring the application of Soft Skills elements among UMP students. UMP-KI was specially developed to function as the device to (a) assess students' application of Soft Skills during classes, (b) base for suitable intervention planning (c) add input for UMP students' profiling.

OBJECTIVES

The main objectives of the study are to (a) measure the reliability and the validity of the newly developed items and (b) employ the confirmatory factor analysis (CFA) to test how well the measured variables represent the in tendered construct.

METHOD

Participants

Data was collected from 500 degree students who were completing their UHS1021 in semester 2, session 2011/2012. The participants were coming from all faculties in UMP. 500 sets of questionnaires were distributed to lecturers who were teaching UHS1021 in the particular semester, each lecturer agreed to distribute sets of questionnaires according to the number of students they were handling. Almost 100% questionnaires were returned to the researcher within the specified time. However due to incomplete forms only 250 questionnaire were processes.