

Exploratory Factor Analysis of the Scale Development of Media and Information Literacy

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Abstract

The aim of this study was to develop a scale that could measure media and information literacy. In order to provide the content validity of this scale, it was taken from the experts' opinions. According to experts recommendations, 3 items were removed. And then, a total of 89 items were administered to 716 students from three teacher education institutions in Myanmar. In order to determine the construct validity, exploratory factor analysis was applied. Based on the results of analysis, some items were reduced from initial item pool. A final scale consists of 67 items. The factor analysis results indicated that the scale has six factors explaining 36.47 % of the total variance. In addition, the reliability coefficient of newly developed Media and Information Literacy Scale (Cronbach' alpha) was found at 0.824. The results of the data show that the newly developed Media and Information Literacy Scale (MILS) is reliable and valid measurement tool which could be used to determine the media and information literacy of students from teacher education institutions. It is an innovative contribution of scale development of media and information literacy.

Key words: Media and information literacy, Perceptions scale, Validity, Reliability.

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