A CONFIRMATORY FACTOR ANALYSIS OF SCALE-INDEPENDENCE CHARACTER MEASUREMENT

by H.Sujati, Bambang Saptono, Agung Hastomo, Banu Setyo Adi

ABSTRACT

Abstract. The unavailability of an independent character measurement instrument in elementary schools forms the basis of this research. The research aims to produce independent character measurement scale that meets the criteria of construct validity and reliability. This study used 300 respondents from grade 5 elementary schools from one district. Data were analyzed by second order confirmatory factor analysis. Goodness-of- fit tests include: p-value χ^2, RMSEA, GFI, AGFI and NFI. The results showed that the scale consists of five factors, namely independence, motivation, responsibility, discipline and hard work with each factor have factor loading as follows: 0.35; 055; 0.73; 0.69 and 0.51. The five factors are translated into 15 items with an Alpha reliability coefficient of 0.86. The size of the factor load ranges from 0.21 - 0.77. Six of the 15 instrument items were declared invalid because they had a factor load of less than 0.5.