

The Validity of Construct Analysis on Assessment Instrument of Basketball Skill for Senior High School in Yogyakarta City

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ABSTRACT

Abstract This research is quantitative research which aims to know the quality of instrument proved by the validity of construct. The empirical validity of research instrument is tested to senior high school students both public and private school in Special Region of Yogyakarta which hold the basketball competition among senior high school. The result of tested then is analyzed by using exploratory factor analysis (EFA) and confirmatory factor analysis (CFA). The EFA analysis uses software support of SPSS 23.0 and CFA analysis uses software LISREL 8.8. The result of analysis by EFA shows that the grouping data into two big groups such as skill execution and decision making. The result analysis of EFA also shows that the value of KMO is about $0.747 > 0.50$. The value of Bartlett's test and Chi-square is about 318.020 and the significance is on 0.000, therefore the analysis tested factor can be continued. The result of assessment calculation of basketball skill by using first order CFA shows that the value of $p\text{-value} = 0.16220 (> 0.05)$, $RMSEA = 0.042 (> 0.08)$ and $\chi^2 = 11.76 > 0.05$ which means that the model is appropriate with the data, the analysis of model structural equation, and decision making effect the ability of playing basketball. The amount of contribution of decision making toward the ability of playing basketball is about 26 percent, while the contribution is about 74 percent influenced by another variable.

Kata Kunci: *Exploratory Factor Analysis, Confirmatory Factor Analysis, Assessment, Basketball*