

Pemakaian FIBA Livestat sebagai Alat untuk Mengukur Kemampuan Bermain Bola Basket Siswa SMA di Daerah Istimewa Yogyakarta

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ABSTRACT

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The aim of this study is to develop a basketball playing skill assessment instrument for high school students, which is valid, reliable, practical, and has an assessment norm to measure basketball playing skills. The developed basketball playing skills assessment instrument is intended for high school extracurricular basketball teachers and coaches so that they can carry out assessment objectively.

This research is developmental research. The development process is carried out in five stages, namely the test design stage, the test trial stage, the validity measurement stage, the reliability measurement stage, and the test score interpretation stage. The determination of instrument construct consisting of skill execution and decision making instrument is carried out through the opinion of basketball game experts, physical education experts, and sports measurement experts. The research subjects consist of the students of high school in the Special Region of Yogyakarta, who took basketball extracurricular activities. The determination of construct validity uses Exploratory Factor Analysis (EFA) techniques for small-scale tests, and the Confirmatory Factor Analysis (CFA) techniques for large-scale tests. The determination of the instrument reliability coefficient used the Intra-class Correlation Coefficient (ICC).

The conclusions of the research are as follows. (1) The developed basketball playing skills assessment instrument is in the form of an authentic assessment consisting of observations of skill execution and decision making using an observation sheet that has clear specifications for objective, characteristics, components, instruments, and implementation guidelines. The developed instrument consists of two instruments, namely an instrument for measuring the execution skill and instrument for measuring the decision making skill. (2) The developed instrument is a good quality measurement instrument, as evidenced by a good level of instrument validity and a good level of instrument reliability. The content validity was proven by implementing the Delphi techniques and expert judgement with Aiken's V, with a score 0.93-1. The construct validity was proven by the EFA and CFA tests, and proved to be valid. The reliability was proven by the ICC inter-rater reliability with inter-rater reliability levels of 0.840 and 0.836. This level of reliability indicates that the instruments have very good reliability. (3) The norms of basketball playing skills instrument are formulated. (4) The developed instrument for assessing basketball playing skills is effective in measuring the ability to play basketball.

Kata Kunci: *FIBA Livestat, Skill, Basketball*