Agility Test Innovation on Special Badminton Athletes for the Junior Category (U17): Validity and Reliability [

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text (article)

Analítica

This study aims to produce innovative badminton agility tests specifically for athletes aged 15-17 years with the Y agility test model. There are three steps in determining an agility test model. The first step is the qualitative analysis of documents, textbooks, research articles related to agility tests. The second step is quantitative analysis using the delphi technique; the results consist of six aspects of assessment, namely the conformity aspect of the definition of agility to the test media, the conformity aspect of the badminton game, the distance aspect of the test, the motion aspect, the test procedure aspect, the construction aspect of the test image. Step three include the Aiken V validity test and Cronbach's Alpha and Intraclass Correlation Coefficients (ICC) reliability test. This study involved nine experts for the validity test and 55 badminton athletes (35 men and 20 women) for the reliability test with a minimum qualification of having been champion at the regional level, athlete characteristics (mean"SD) age 16.15"0.8 years old, height 164.15 "1.9 cm, weight 53.58"1.7 kg, BMI (body mass index) 19.19"34, training experience 4.71"1.4 years. The results of this study are validity test, the average value of V is 0.824. Cronbach's Alpha 0.817 reliability test and Interclass Correlation Coefficient 0.818. Thus, the Y agility test has a high level of validity and reliability. It is expected in the future that the Y agility test for special badminton sports aged 15-17 years can be used around the world, even we encourage to publish the results of the test scientifically. Thus, the innovation of badminton agility tests can continue to develop for achievement sports and for academics to further develop Y agility tests scientifically. It is recommended to further strengthen the level of accuracy of this test, then an empirical validity test and test-retest are needed

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Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es