

Research Paper :

Construction of combined backhand low and flick service test in badminton

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ABSTRACT

The purpose of the study was to construct and standardize a combined backhand low and flick service test for doubles play in badminton. The subjects were sixty state level male badminton players of Madhya Pradesh, who participated in 36th Madhya Pradesh Inter - District Badminton Tournament and 50th Madhya Pradesh Senior State Badminton Championship held at Indore from 29th August to 3rd September, 1999. The criterion measure was the ranking of the players based on round the year performance assigned unanimously by three badminton experts. The findings of the study indicated that the constructed combined backhand low and flick service test in badminton was found to be reliable, ($r=0.977$) and objective ($r=0.9341$). The constructed combined backhand low and flick service test was found to be valid ($r=0.931$) as the test scores correlated significantly with the ranking of the players based on round the year performance assigned unanimously by three badminton experts. Further the differential validity was found when the scores of National, State and District level badminton players were compared with the test and the F value of 39.21 was found to be significant.

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A beginning badminton player needs to learn the basic shots that are useful in a game of singles or doubles, as well as the stroking techniques employed to produce these shots. In preparation for this, it is also necessary to acquire some associated skills that accompany a good stroking technique. Before attempting stroking techniques, one must learn prerequisite skills of effective stroke production.

The purpose of the study was to construct and standardize a combined backhand low and flick service test for doubles play in badminton.

METHODOLOGY

The subjects were sixty state level male badminton players of Madhya Pradesh, who participated in 36th Madhya Pradesh Inter - District Badminton Tournament and 50th Madhya Pradesh Senior State Badminton Championship held at Indore from 29th August to 3rd September, 1999. The criterion measure was the ranking of the players based on round the year performance assigned unanimously by three badminton experts.

The purpose of the proposed test was to evaluate a player's ability to successfully execute combined backhand low and flick service for doubles play in badminton.

The equipments required for this test included a regulation court, 10 new shuttlecocks, score sheet, a racket

and a wooden stand 10 feet and 7 ½ inches high with a wooden bar 6.10 meters in length parallel to the floor and attached on top of it 3.05 meters on either sides. Two green and red bulbs of 100 watts fixed to the stand at a height of 5 feet and 7 ½ inches. The wooden stand was placed on the centerline at a distance of 6 inches from the short service line. Two cords were strung tightly, first 1 foot above and parallel to the net and second 1 foot above and parallel to the first cord. A restraining line 4 feet in length and 2 feet from the short service line towards the back boundary line and parallel to it was marked as shown. In addition, four lines were drawn across the court, 6 inches apart from each other, from the short service line towards the back boundary line, and four more lines, 6 inches apart from each other, from the long service line for doubles towards the short service line.

Sufficient practice trials were given to the subjects before administering the test. Three trials of 10 services (05 from each right and left service court) were given to each subject. Subjects served seven (7) backhand low and three (3) backhand flick serves. If red bulb glows, subject served backhand low service and if green, subject served backhand flick service. Subject served within 3 seconds after glowing of the bulb. Scorers stood in the non-playing court.

A backhand low or flick service passing between the net and the first cord scored as 5 points; between