

DEVELOP STANDARDS FOR TECHNICAL LEVEL ASSESSMENT OF MALE ATHLETES IN DONG THAP SHUTTLECOCK TEAM

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Abstract:

The study has used the common research methods in sports to research and develop the standards for technical level assessment for research objects, including 8 criteria, evaluation scale C and classification standards. The results of the application of classification standards to assess the technical level of male athletes in Dong Thap Shuttlecock team have 10% of good athletes, 40% of average athletes, 30% of weak athletes and 20% of poor athletes.

Key words: Standard, technique, Shuttlecock, Dong Thap

INTRODUCTION

As many other sports, besides the factors of physical strength, tactics, psychology, the technique plays a very important role, deciding the performance of athletes. Shuttlecock is the contact sports of opposite yard. The moves of shuttle are complex and fast, which require athletes in addition to being equipped with good physical strength, rational tactics and competitive psychology an important element is the technical background. To assess accurately the technical level of each Shuttlecock player, thereby adjusting the training plan accordingly to improve the efficiency of the training of Shuttlecock technique, one of the important and necessary issues is to develop a set of scientific and comprehensive classification standards.

RESEARCH METHODS

The research has used the following methods: References, interview method, pedagogical test and mathematical statistics.

The study subjects include 10 male athletes in Dong Thap Shuttlecock team, in which 6 grandmasters and 4 athletes at level 1.

RESULTS AND DISCUSSION

1. Determine criteria for assessing technical level of male athletes in Dong Thap Shuttlecock team

We have determined the criteria in 3 steps as follow:

- Step 1: Summarize the criteria to assess the Shuttlecock technical level used by experts and coaches, as well as in the documents and research works at home and abroad.
- Step 2: Develop questionnaires and interview with Shuttlecock experts, coaches for 2 times
- Step 3: Test the reliability and informative characteristic of the criteria

As a result, the study has identified 8 criteria for technical level evaluation of male athletes in Dong Thap Shuttlecock team. They are continuous instep kick in 30 seconds (times), continuous hitch for 30 seconds (times), continuous pass for 60 seconds, continuous drop 10 times (point), 1-touch shuttlecock lower 10 times (point), continuous sole kick (treading) 10 times (point), service with instep foot 10 times (point), service with natural side of foot 10 times (point).

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2. Develop standards for assessing technical level of male athletes in Dong Thap Shuttlecock team

1.1. Develop evaluation scale C

In order to facilitate the determination of achievement level for each test of assessing technical level of each athlete as well as technical level comparison between the athletes together, the study has developed the evaluation scale C. The evaluation scale C is a benchmark, so we have verified the standard of the data set

distribution of criteria used for developing the scale by means of the Shapiro - Wink test. The results show that in all 8 criteria $SW > SW_{05}$ ($= 0.842$), the hypothesis H_0 is accepted, the sample has a normal distribution at significance level $\alpha = 0.05$. Thus, the test results of the above criteria ensure the standard to develop the scale. Based on the results of the tests on mean value ($\bar{x}$), standard deviation (S), the study has developed the evaluation scale C according to each criteria. The results are in Table 1.

Table 1. Standard transcript for evaluating technical level of male athletes in Dong Thap Shuttlecock team

No	Test	Point									
		1	2	3	4	5	6	7	8	9	10
1	Continuous instep kick in 30 seconds (times)	16	17	18	19	20	21	22	23	24	25
2	Continuous hitch for 30 seconds (times)	14	15	17	18	19	20	21	22	23	24
3	Continuous pass for 60 seconds (times)	17	18	20	21	23	24	26	27	29	30
4	Service with instep foot 10 times (point)	21	22	24	25	26	28	29	30	32	33
5	Service with natural side of foot 10 times (point)	21	22	23	24	25	26	27	28	29	30
6	1-touch shuttlecock lower 10 times (point)	17	18	20	22	24	26	27	29	31	33
7	Continuous drop 10 times (point)	22	23	24	25	27	28	29	30	31	32
8	Continuous sole kick (treading) 10 times (point)	23	24	25	26	27	28	29	30	31	32

1.2. Develop general transcript of classification standards for assessing technical level of male athletes in Dong Thap Shuttlecock team

Develop standard point scale will allow score for each athlete with each criterion and each factor. In order to quantify the different criteria in the evaluation and classification of technical level for of male athletes in Dong Thap Shuttlecock team, the study has developed the classification standards each criterion into 5 levels as follow:

- Very good (9 - 10 points)
- Good (7- < 9 points)
- Average (5- < 7 points)
- Weak (3 - < 5 points)
- Poor (0 - < 3 points)

Based on the evaluation scale C, each test

has a maximum point of 10. Based on the number of tests to evaluate the technical level is 8 tests, which is corresponding with the maximum point of 80. According to the above convention, the study has developed transcript of technical classification for the study subjects in Table 2.

1.3. Apply assessment standards of technical level of male athletes in Dong Thap Shuttlecock team

Applying the transcript, classification standards and basing on the test results of the study subjects, we have assessed the technical level of male athletes in Dong Thap Shuttlecock team in table 6.

The percentage of technical level classification for male athletes in Dong Thap Shuttlecock team is in Chart 1.

Table 2. General transcript of classification standards for assessing technical level of male athletes in Dong Thap Shuttlecock team

Factor	Test	Classification				
		Poor	Weak	Average	Good	Very good
Technique	8	0→<24	24 →<40	40→<56	56→<72	72→80



Vietnamese shuttlecock kicking athletes have won many encouraging achievements in the region and in the world



Chart 1. Percentage of technical level classification for male athletes in Dong Thap Shuttlecock team

This classification results in the necessary scientific information, which is the basis for the training board to develop a more appropriate training plan for each athlete, to improve the performance of training and competition.

CONCLUSION

- The study has determined 8 reliable and informative tests used to assess the technical level of male athletes in Dong Thap Shuttlecock team. They are continuous instep kick in 30 seconds (times), continuous hitch for 30 seconds (times), continuous pass for 60 seconds, continuous drop 10 times (point), 1-touch shuttlecock lower 10 times (point), continuous sole kick (treading) 10 times (point), service with instep foot 10 times (point), service with natural side of foot 10 times (point).

- The study has developed the evaluation scale C, classification standards, general

transcript for assessing the technical level of male athletes in Dong Thap Shuttlecock team. The results of the application of the technical level assessment have 10% of good athletes, 40% of average athletes, 30% of weak athletes and 20% of poor athletes.

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