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**A Construction of Sepaktakraw Skill Tests for Kasetsart University Kamphaeng Saen Campus Students**

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**Abstract**

The purposes of this study were to construct Sepaktakraw skill tests for Undergraduate Students, Kasetsart University, Kamphaeng Saen Campus. The test comprised of seven items: ball controlling by foot, ball controlling by back foot, ball controlling by knee, ball controlling by head, ball pushing, serving the ball and head hitting ball. The content validity was approved by five experts. The test-retest method was applied to a sample of 10 students to determine the reliability and the objectivity was tested by scoring judgment of two testers. The population was 212 students who enrolled at the beginning and end of muzzle 01175126. The data were analyzed by using mean, standard deviation, Pearson Product Moment Correlation Coefficient and Raw score for norms. The results were as follows: the tests for ball controlling by foot, ball controlling by back foot, ball controlling by knee, ball controlling by head, ball pushing, serving the ball and head hitting ball have content validity. The reliability were .95, .92 which were excellent; .82 .81 .85 .82 and .83 which were good and the objectivity were 1.00 .98 .99 .97 .99 .98 and 1 .00 which were good and excellent, respectively. The norms in the seven skills were tallied in a five-point scale from very poor, poor, fair, well, to excellent. It can be concluded that Sepaktakraw skill tests possessed a highly satisfactory quality and it is recommended for application to Undergraduate Students, Kasetsart University, Kamphaeng Saen Campus.

*Keywords:* Sepaktakraw skill tests

**Introduction**

The current teaching of the country Thailand, we have to manage the teaching reform to provide timely as today's global situation. Therefore, the National Education Act, 2542(1999) occurs so that teachers may use as guidelines in the management of education and holds a master in practice, benefit developing country cities according to section 4 of this Act, the "Studies" means that the learning process for the ease of the individuals and society by expressing feelings. Training of cultural inheritance Getting creative to maintain academic progress to create knowledge arising from the social environment of learning and supporting Parties have continued learning throughout life (Government Gazette: 3).

As one of the subjects of physical education to a broad education that is vital to the development of the human resources of physical education electives consist of activities such as football, athletics, volleyball, Sepaktakraw, exercise in various forms, etc., in which each activity is intended to develop the individual, have a flourishing on the side of the body. Social and emotional intelligence. The development will achieve much purpose, inevitably depend on physical education teachers the ability to use skills each skill in a

particular activity. Sepaktakraw sport is a sport or sports activities that encourage students to use skills such as foot, knee and head, as well as concentrate and wit, cunning, in decisions and problem-solving. The current sport Sepaktakraw is very popular in the region. America and Europe, and has been in the sport, both in national and international sports events such as Southeast Asian Games and Asian Games, etc, especially country Thailand has held a Sepak takraw, a sport popular in major items, such as sporting events, sports. Was the national youth sports national sports students and takraw Thailand land League, etc. The most important reasons. Current education level, basic education and higher education has packed them in Sepaktakraw subjects category subjects physical education to encourage pupils and students to practice their skills by learning and proficiency in the sport Sepaktakraw.

From the above, we can see that the sport of Sepaktakraw benefits are important and valuable way, Kasetsart University, Thailand still has no sports skills test requirement and Sepaktakraw, which researchers as an instructor course 01175126 takraw knows the importance, therefore, is interested and would like to create a skills test sport Sepaktakraw standard. There are the usual criteria for teachers can be applied appropriately to the students and the results from the measurement practice skill sport Sepak takraw, compared with normal weight to ranks the ability of students compared to a group. Researchers asked people who have knowledge. Ability in the sport, Sepaktakraw and research in various books, it appears that the skill skilled sports Sepaktakraw consists. The Sepaktakraw ball bounce Play ball-head face mesh (plain form). The Sepaktakraw ball area (brewing) To serve, as well as concentrate on decision-making and problem-solving in the game. From the above information, researchers are of the opinion that sport Sepaktakraw activities can improve physical health. Emotional, social and intellectual good of students. Secondly, it is important as a tool to improve students to contribute to the development of their potential, so they've chosen to study. To create a skills test for Sepaktakraw sport for Kasetsart University kamphaeng Saen campus students so that students can find useful study's Sepak takraw. There is a threshold test that covers the basic skills of the sport of Sepaktakraw, is accurate. And confidence is a multiple choice selections to advantage in developing teaching and learning's teacher's physical education in Sepaktakraw, progressing steadily in physical education and vocational changes. The best way to develop stylish, modern era, the next.

### **The Purposes of This Study**

To construct Sepaktakraw skill tests for Undergraduate Students, Kasetsart University, Kamphaeng Saen Campus.

### **Methods**

#### **The Population**

The population used in the research, students who enroll in elective 01175126 takraw 211 peoples.

#### **Tools Used in Research**

Tools used in this research as a sports skills to the test, Sepak takraw, which contains 7 items: ball controlling by foot, ball controlling by back foot, ball controlling by knee, ball controlling by head, ball pushing, serving the ball and head hitting ball.

**How to Collect the Data**

1. Study the details of each test item with description and demonstration of each test item, Research Assistant; understand about the steps to follow in order to collect data to understand.
2. Prepare the equipment and premises for storage of information.
3. Perform the test with the population, along with collecting information on the date. At that appointment, results of tests to analyze the data to create the usual criteria by using a t-score (T-score).

**Results**

To analyze the data to find the standard deviation The maximum score minimum score from the test. The score value achievement, practical skills and test scores level skill sport Sepak takraw. Students who register for classes 01175126 of Kasetsart University, kamphaeng Saen campus muzzle. Using a skill sport Sepak takraw at the researchers created.

**Table 1.** Show standard deviation the highest score the lowest score in test skill sport Sepak takraw for freshmen enrolled subjects, 01175126, Kasetsart University, kamphaeng Saen campus.

| Tests                                 | Male<br>(n=111) |       |      |      | Female<br>(n=101) |      |      |      |
|---------------------------------------|-----------------|-------|------|------|-------------------|------|------|------|
|                                       | $\bar{X}$       | S.D.  | Max. | Min. | $\bar{X}$         | S.D. | Max. | Min. |
| 1. Ball controlling by foot test      | 34.08           | 20.00 | 95   | 6    | 8.98              | 9.03 | 56   | 3    |
| 2. Ball controlling by back foot test | 24.14           | 15.18 | 79   | 4    | 6.17              | 5.15 | 25   | 2    |
| 3. Ball controlling by knee test      | 15.56           | 9.02  | 44   | 3    | 5.17              | 2.75 | 16   | 2    |
| 4. Ball controlling by head test      | 11.26           | 9.79  | 61   | 2    | 3.66              | 1.68 | 10   | 2    |
| 5. Ball pushing test                  | 23.37           | 6.76  | 39   | 11   | 14.13             | 6.04 | 26   | 4    |
| 6. Serving the ball test              | 5.09            | 0.59  | 9    | 5    | 4.67              | 0.67 | 5    | 2    |
| 7. Head hitting ball test             | 4.59            | 1.07  | 9    | 2    | 3.18              | 1.35 | 5    | 1    |

**Table 2.** Test-score threshold skill sport Sepak takraw Students who register for classes 01175126 of Kasetsart University, kamphaeng Saen campus muzzle.) Male(

| Tests                                 | Male     |          |          |          |          |
|---------------------------------------|----------|----------|----------|----------|----------|
|                                       | 5 Points | 4 Points | 3 Points | 2 Points | 1 Points |
| 1. Ball controlling by foot test      | 30 up    | 25-29    | 20-24    | 15-19    | 10-14    |
| 2. Ball controlling by back foot test | 20 up    | 17-19    | 14-16    | 11-13    | 8-10     |
| 3. Ball controlling by knee test      | 15 up    | 13-14    | 11-12    | 9-10     | 7-8      |
| 4. Ball controlling by head test      | 10 up    | 8-9      | 6-7      | 4-5      | 2-3      |

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| Tests                     | Male     |          |          |          |          |
|---------------------------|----------|----------|----------|----------|----------|
|                           | 5 Points | 4 Points | 3 Points | 2 Points | 1 Points |
| 5. Ball pushing test      | 5 in 5   | 4 in 5   | 3 in 5   | 2 in 5   | 1 in 5   |
| 6. Serving the ball test  | 40 up    | 35-39    | 30-34    | 25-29    | less 25  |
| 7. Head hitting ball test | 5 in 5   | 4 in 5   | 3 in 5   | 2 in 5   | 1 in 5   |

**Table 3.** Test-score threshold skill sport Sepak takraw Students who register for classes 01175126 of Kasetsart University, Kamphaeng Saen campus muzzle. )Female(

| Tests                                 | Female   |          |          |          |          |
|---------------------------------------|----------|----------|----------|----------|----------|
|                                       | 5 Points | 4 Points | 3 Points | 2 Points | 1 Points |
| 1. Ball controlling by foot test      | 10 up    | 8-9      | 6-7      | 4-5      | 2-3      |
| 2. Ball controlling by back foot test | 10 up    | 8-9      | 6-7      | 4-5      | 2-3      |
| 3. Ball controlling by knee test      | 10 up    | 8-9      | 6-7      | 4-5      | 2-3      |
| 4. Ball controlling by head test      | 5 up     | 4        | 3        | 2        | 1        |
| 5. Ball pushing test                  | 5 in 5   | 4 in 5   | 3 in 5   | 2 in 5   | 1 in 5   |
| 6. Serving the ball test              | 30 up    | 25-29    | 20-24    | 15-19    | less 15  |
| 7. Head hitting ball test             | 5 in 5   | 4 in 5   | 3 in 5   | 2 in 5   | 1 in 5   |

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