The Assessment of David Lee Test Norms Scoring Skills for YSU Physical Science Students Majoring in Football Game

Suhadi[1], Nurhadi Santoso[1] Sri Marwati[1], Riky Dwihandaka[1]

[1]Faculty of Spoer Science, Universitas Negeri Yogyakarta, Jl. Colombo No.1 Yogyakarta, Indonesia

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Abstract: The current norm of David Lee Test assessment has been used for more than ten years, so it is necessary to adapt to the characteristics and capabilities of existing students now. This study aims to develop and re-renew the norm of David Lee Test assessment that is tailored to the development and characteristics of the students now, to measure the skills of students of Faculty of Physical Science majoring in Football game. This study is a quantitative descriptive. The method used is a survey method. Assessment of results of football playing skills David Lee Test in this study employed all students of YSU physical science majoring in football game on the period year of 2018/2019 and the test result document play skills with a test of David Lee on students of the previous year. The results are formed standard norm new test assessment to the skill of playing football with "David Lee Test" for physical science students majoring in football games.

1 INTRODUCTION

The purpose of the research on the development of norms standards assessment for David Lee's instrument is that it can be used as a measuring instrument to measure the skill of playing football games and as a guideline of benchmark score (PAN) in Courses in football games, especially in the course of the practice organized by football games for students PJKR FIK UNY.

Students who take courses in football games are expected to have four points to support and achieve good mastery of skills. According to the opinion of Bompa (1983:35), to improve and achieve achievement, sportsmen must have four basic fittings, namely: 1) physical abilities, 2) techniques, 3) tactics, and 4) psychic. Players must master their football skills so that the team he bought plays well. Division of football skills divided into two parts, namely 1) skill without ball, consisting of: (a) run, (b) Jump, (c) motion of deception with body 2) skill with the ball consists of: (a) kicking ball (b) control ball, (c) carrying ball, (d) Ball, (e) motion of deception with the ball, (i) Seize the ball, (g) throw the ball, (h) Special movement of the goalkeeper, (Surayin, 1988:64). According to Calary (1991:1), dividing the skills of playing football, including: 1) controlling the ball, 2) kicking to feed, 3) overtake, 4) dribble, 5)

tackle (grabbing the ball), 6) kicking towards the goal, 7) technique goalkeepers. According to Danny Mielke (2007:1-76), the basic techniques in football games are as follows: 1) dribbling, 2) draw the ball (juggling), 3) pass, 4) Stop the ball (trapping), 5) throw-in, 6) to the Ball (heading), 7) (tricks and truns), 8) shooting (shooting).

After students have attended a lecture that is approximately 15 meetings, they are expected to have good skills. To know the extent to which the skill level of students, test skills with the basic measuring instrument needs to be done and there is already a rule. In the process of assessment of the learning process, norms of the standard judgment are needed. It can be used as a reference in assessing the outcome of students. According to Nurhasan (2001:49), the norm is a standard that can be used to know the position of a person in a group based on the outcome it is processing. A test that has been supplemented with the norm assessment will greatly help the test wearer in interpreting tests in a quick time.

The norm of assessment that is clear and easy to understand will give motivation to the students who have been taking the test, because the students can directly know the meaning of the test results acquired. In addition, students can compare with other friends in the group, in a state of comparable size. The current norm of David Lee Test assessment has been used for more than ten years, so it is necessary to adapt to the

characteristics and capabilities of existing students now. This research aims to develop and re-renew the norm of David Lee Test assessment that is tailored to the development and characteristics of the students now, to measure the skills of students in Physical Science of YSU majoring in football game.

2 METHOD

The design and model used is quantitative descriptive research. The methods are methods of surveying with test and measurement techniques. The subjects include all students of Physical Science majoring in football game consisting of 652 students, with 550 male students and 102 female students. The instrument used was The David Lee Soccer Potential Circuit Test, (Australia Soccer Federation "Coach's Manual", 1984:18) especially in the third Test item, which is a skill test with a ball.

3 RESULTS

3.1 Descriptive Statistics of Research Results

The results of the data processing of David Lee's test with SPSS, for the college students with 550 data obtained the counting figures, which covered: The best time of 16.55 seconds; Longest time 46.12 seconds; David Lee's test time was acquired for 24.10 sec; and standard deviation 3.59438.

The results of the data processing of David Lee test with SPSS, for the student of the daughter with 102 data obtained the counting figures, which covered: best time 22.19 seconds; Longest time 1.18.87 seconds; David Lee's test time was acquired for 36.78 sec; As well as the standard deviation of 8.22276.

3.2 The Result

The norm assessment is used to assess football skills for the college students with David Lee's tests presented as follows.

Table 1: Norm of Old David Lee Test.

Time Interval	Score
19,3 or less	A
21,1 – 19,4	A-
22,8 – 21,2	B+
26,2 – 22,9	B

28,0 – 26,3	B-
29,7 – 28,1	C+
33,1 – 29,8	C
More than 33,2	D

As for the renewal norm of assessment of the football playing skills of the male student with David Lee test based on the group research of 2019 was acquired Norm, as follows:

Table 2: Football Skill Score Norm of David Lee for male students.

No	Time Interval	Time Interval	Score
1	M-1,75SD ≥ X	17,81 ≥ X	A
2	M-1,25SD ≥ X > M-1,75SD	19,61 ≥ X > 17,81	A-
3	M-0,75SD ≥ X > M-1,25SD	21,41 ≥ X > 19,61	B+
4	M-0,25SD ≥ X > M-0,75SD	23,21 ≥ X > 21,41	B
5	M+0,25SD ≥ X > M-0,25SD	25,00 ≥ X > 23,21	B-
6	M+0,75SD ≥ X > M+0,25SD	26,80 ≥ X > 25,00	C+
7	M+1,25SD ≥ X > M+0,75SD	28,60 ≥ X > 26,80	C
8	M+1,75SD ≥ X > M+1,25SD	30,39 ≥ X > 28,60	D
9	X > M+1,75SD	X > 30,39	E

The assessment norm is used to assess football playing skills of the college students with David Lee's test during this time (prior to the implementation of the group's research) presented as follows:

Table 3: Old David Lee Test Norm.

Time Interval	Score
28,7 or less	A
31,1 – 28,8	A-
33,4 – 31,2	B+
38,2 – 33,5	B
40,6 – 38,3	B-
42,9 – 40,7	C+
47,7 – 42,8	C
More than 47,8	D

As for the renewal norms assessment of the football playing skills of female students with the David Lee test based on the group research of 2019 was acquired Norm, it is presented as follows.

Table 4: The norm of scoring the new David Lee football skills for male students.

No	Interval of Time	Interval of Time	Score
1	M-1,75SD ≥ X	22,39 ≥ X	A
2	M-1,25SD ≥ X > M-1,75SD	26,50 ≥ X > 22,39	A-
3	M-0,75SD ≥ X > M-1,25SD	30,62 ≥ X > 26,50	B+
4	M-0,25SD ≥ X > M-0,75SD	34,73 ≥ X > 30,62	B
5	M+0,25SD ≥ X > M-0,25SD	38,84 ≥ X > 34,73	B-
6	M+0,75SD ≥ X > M+0,25SD	42,95 ≥ X > 38,84	C+
7	M+1,25SD ≥ X > M+0,75SD	47,06 ≥ X > 42,95	C
8	M+1,75SD ≥ X > M+1,25SD	51,17 ≥ X > 47,06	D
9	X > M+1,75SD	X > 51,17	E

The results of the study regarding the renewal of the assessment norms of football play skills using David Lee's special test on football skill test shows that there is a very striking change to the assessment norm for women students. Although on the norm of test weillation David Lee for college students there is an increase or improvement. In the female students, there was an improvement to the norm test rating David Lee of 6.3 sec. Meanwhile, the norm of test assessment David Lee for college students, there was a 1.5 second improvement.

The increase or correction of time when the implementation of test David Lee occurred the researcher's fault because it does not make direct field facilities for the implementation of the test. During this time, for the creation of the field to test David Lee was handed over to the warehouse clerk. There is a possible meter used to make the field invalid in size.

The error factor that may lead to a time increase in David Lee's tests caused the stopwatch to be used for skill test taking not previously applied. Moreover, the stopwatch used for data retrieval or skill assessment in the previous year differs in each lecturer. These things are possible to cause a rise in the time of data retrieval or at the time of taking a football test playing skills in the past years by a football-class lecturer.

The date or time of David Lee's test is possible because many students come from SSB football players who have good skills. The more students who become football players, the higher the accumulated time of David Lee's test. Nowadays, many students are also playing futsal and there are many YSU futsal teams. It is also possible to increase David Lee's test ability for college students.

4 CONCLUSIONS

This research resulted in a new assessment norm for students of physical science students who take courses in football games using David Lee's tests. This norm obtained from the test data football playing skills of students who major in football games year 2018/2019 and test documents football skills play with the test David Lee on students in the previous years. Norm assessment of football playing skills with David Lee's instrument test, there is a slight increase or improved test result.

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