Identify the Most Important Skill Tests for the Selection of Handball Players Juniors

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Abstract--- Reaching the global sport stage calls for from the start a great practice method for long periods because the hero does now not generate between day and night time and this education procedure is associated with many elements to attain the desired outcomes, and the first of these factors is an appropriate method inside the choice, so the choice technique ought to be issue to medical requirements thru the abilities of people and the understanding in their bodily, social, mental, intellectual and purposeful capacity, due to the fact ultimately it helps the manner for the instructor to move an extended way in their training technique and improve their stage and give them plans and skills. As for the research problem, it becomes represented by using the following questions:

1. What are the most critical tests that measure the capabilities of emerging handball gamers?

2. Are the skill exams amenable to aggregation into ideal factors and a battery extraction to degree the aptitude for emerging handball players?

As for the goals of the research, it is to identify the extent of the overall performance of the simple competencies of emerging handball gamers in Basra Governorate, as well as to outline the easy international construction of the most crucial ability assessments for emerging handball players. As for the studies methods, the researcher through examining the various assets and analyzing the content of the basic skills and testing them via hand, the researcher extracted a set of fundamental competencies and tests from several assets. therefore, the researcher obtained the ability assessments that pertain to every fundamental skill of the rising players.

Thru this, a few conclusions emerged, which includes:

1. Simple global creation for basic abilities checks with handball has been decided.

A total of four exams were presented representing the pure factors with the greatest saturation of the primary capabilities checks for handball for emerging gamers.

Keywords--- Skill Tests, Selection, Measurement, Basic Skills and Juniors Handball.

I. INTRODUCTION

The game movement has made fantastic strides in all fields and the suitable medical foundations have followed a way for its improvement and creativity, and the harvesting of the culmination of this renaissance become what high-degree recreation reached within the early 2000s. The sports area is one of the important human pastime areas in our contemporary international, which witnessed an exquisite development whose results in the velocity of registering world data with the speed of breaking them and the amazingly high levels of athletic overall performance opened the door to the importance of sports activities selection to be a cloth that scorings to construct a strong base from which junior and gifted people pass in the direction of success and athletic excellence the choice technique within the

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sports field is one of the simple foundations used to attain the participant to high levels because it scorings to select the fine players to exercise a specific sporting hobby and the want for the selection manner emerged due to the difference of the participant yen in their physical, mental and psychological preparations.[1]

Reaching the worldwide recreation degree requires from the start a terrific education procedure for lengthy periods due to the fact the hero does now not generate between day and night time and this education method is associated with many elements as a way to acquire the specified results, and the first of these factors is the correct system in the choice, so the choice process needs to be the situation to clinical game standards via the competencies of people and the knowledge in their physical, social, psychological, intellectual and purposeful capacity, due to the fact, in the long run, it allows the manner for the trainer to go an extended manner in their training system, enhance their level, and give them plans and abilities. New, that the opportunity of the budding access to excessive levels of sports inside the specialized sports activities field is higher, as it turned into feasible from the beginning that the kids ought to be decided on and directed to the kind of wearing activity this is appropriate to his preparations and inclinations and to expect the extent of the effect of the education and practice in such powerful way, and this method will offer lots of The opportunities may be in vain whilst there is an error in the choice of the newbie, with a purpose to surprise anyone by way of stopping his stage at a certain restriction, to result in losing lots of cash and attempt and the accompanying psychological issues facing the participant and train alike.[2]

Selection studies despite their abundance in current years, but they did now not touch on all the axes of this important subject matter, and there may be nevertheless a pressing need to behaviour other studies in the regions of multiple selections. building indicators can offer us with a clean and simple technique of size of its traits, no longer complicated because of the specific variables that can It results from the worldwide analysis, after which cognizance and manipulate over it. As a result, interest in its far an oblique interest in the relaxation of the variables that have been no longer filtered as a result of the connections which can be specific to us within the form of a specific element and a technique that will increase the sobriety of the results of this indicator. A calendar that may be subjected to international construction through an outside check offers help and proof of its pleasant and handball is one of the sports activities that need to use the scientific approach to recognize the development and gain a better talent stage. depending at the clinical technique for choosing rising gamers in handball and locating suitable checks for this age level, this method avoids random choice of gamers based totally on divergent points of view and self-appreciation for coaches, as well as that this examine seeks to set up a basis for the selection of juniors inside the handball sport in Basra Governorate, despite the multiplicity of studies and studies in sports choice and numerous video games, consistent with the information of the researcher and his evaluate of the literature on the sport, they observed that there are deficiencies in the messages and thesis on selection. And that the selection is made on the idea of private and random revel in, brief remark, and threat. these methods cannot cause sincere and objective effects. hence the studies problem got here because the researcher hopes through this study to reach a goal and correct effects inside the selection and selection of gamers, that can contribute to the improvement of football players Hand is for the better. accordingly,[3] the subsequent questions arose:

1. What are the most important tests that measure the skills of emerging handball players?

2. Are the skill tests amenable to aggregation into acceptable factors and a battery extraction to measure the aptitude for emerging handball players?

Research Objectives

1. Knowing the level of performance of the basic skills of junior handball players in Basra Governorate.
2. Determine the simple global structure of the most important skill tests for emerging handball players.
3. Determining the most important skill tests for selecting emerging handball players in Basra Governorate.

II. RESEARCH METHODOLOGY AND FIELD PROCEDURES

The researcher used the descriptive method in the survey method and correlative studies, which means ((information of the correlation of variables or knowledge to what extent the variables in one of the factors are well suited with the variables in any other component)), the pattern becomes selected by way of the research purposely and they're the rising gamers in the youngsters centre of Al-Asma'i and their range (30) For the sports season 2019/2020 advert.

Tools and Means of Collecting Information

- Arab and foreign sources.
- Tests and measurement.
- Legal handball court (40m long and 20m wide).
- Legal handball goals (height 2m and width 3m).
- Correction boxes 50 cm x 50 cm number (4).
- Legal handballs, count (15).
- Stopwatch number (4).
- Standard metallic tape (length 50m).

Search Procedures

Identify Basic Skills and Tests

By informing the researcher about the different sources and analyzing the content of the basic skills and their handball tests, the researcher extracted a set of basic skills and tests from many sources. Thus, the researcher obtained the skill tests that pertain to each basic skill of the emerging players.

Table 1: Shows the Basic Skills and Tests for Junior Players with Handball

Basic skills	Skill tests	Measuring unit
Pass and receive	• Swipe on the wall for 30 seconds. • Swiping and receiving at a high level (30 seconds) • Scrolling from running back only.	Number of times Number of times Second
Dribble	• Drift ball 15m zigzags. • Dribble in a straight line 15 meters. • Dribble 20 m in a straight line.	Second Second Second
Scoring	• Accuracy of scoring from behind (9) meters. • Scoring after deception. • Scoring by jumping.	Degree Degree Degree
Defence movement	• Test the short-range defensive moves forward - background – lateral. • Various defensive moves tests.	Second Degree

Pilot Study

An exploratory experiment was conducted on 10 emerging players from Al-Asmai Youth Center on January 1, 2020, and the purpose of this experiment was to verify the tools and the possibility of conducting tests, as well as to identify the obstacles that the researcher might encounter, and the exploratory experience achieved the goal that was set for him.

The Main Experience

It was conducted on 7/8/12020, after preparing all the requirements and informing the training staff at Al-Asma'i Center.

Statistical Means

The researcher used the statistical bag SPSS V.16.

III. RESULTS AND DISCUSSED

Description of Search Variables

After acquiring the results of the checks, the researcher then statistically processed them via extracting they are suggesting (imply) and preferred deviation (Skewness) and it's far clean from a table (2) that represents the basic abilities assessments for the studies sample that all values of the torsion coefficient range between (± 3) This shows that the candidate checks are characterized by using moderation, as the matrix of correlations with which the process of manner analysis starts off evolved, the variables of which should not have a whole lot variation and this represents moderation, and the assessments are chosen for factor evaluation ought to be of a comparable stage of difference and difficulty, due to the fact the issue of the exams lessen the link between them.[4]

Table 2: Statistical Description of the Candidate Variables for Global Analysis

Variables	Units	Variable code	Mean	Median	SD	Skewness
Swipe on the wall for 30 seconds	Second	V1	14.8	15	1.71	0.287
Passing and receiving at a high level (30 seconds)	Second	V2	15.8	16	1.54	0.73
Scrolling from running back only	Second	V3	12.51	12.5	1.24	0.371
Dribble ball 15 zigzags line	Second	V4	7.86	7.9	1.14	0.75
Dribble straight line 15 meters	Second	V5	6.56	6.5	1.17	0.67
Dribble 20 m in a straight line	Second	V6	11.11	11.6	2.65	0.87
Accuracy of shooting from behind (9) meters	Degree	V7	4.1	4	1.1	0.03
Scoring after deception	Degree	V8	2.53	2	1.04	0.69
Scoring to jump	Degree	V9	1.86	2.6	0.73	0.21
Short forward-backwards - side defensive movement test	Second	V10	12.18	12.3	1.22	0.409
Various defensive moves tests	Second	V11	7.06	6.7	1.13	0.54

View, Analyze and Discuss the Interconnection Matrix

The worldwide analysis starts using calculating the correlation coefficients between the exams and recording them in a matrix appropriate for this sort of evaluation. consequently, all of the vital characteristics which might be available inside the matrix and legitimate for the aspect evaluation are taken under consideration, and for the reason,

that quantity of individuals in the studies sample blanketed in the global analysis is (30) players, so the correlation coefficient turns into considerable. widespread If its price is same to (0.361) or more than it at a sizeable level (<0.05) the use of the Pearson equation to calculate the sample correlation coefficient (r), [5]the interconnection matrix for the assessments become extracted as proven in a table (3).

Table 3: Shows the Interconnection Matrix

	V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11
V1		0.115	-0.115	-0.339	0.148	-0.094	-0.194	0.062	-0.243	0.041	-0.284
V2			-0.459	0.173	-0.267	0.205	0.207	0.370	0.037	-0.503	0.075
V3				-0.128	-0.338	0.279	-0.380	0.175	0.196	-0.151	0.403
V4					-0.066	0.026	0.050	-0.025	-0.394	-0.057	-0.135
V5						-0.666	0.109	-0.177	-0.231	0.618	-0.078
V6							0.053	0.197	0.399	-0.415	0.288
V7								-0.288	0.426	0.282	-0.340
V8									-0.175	-0.434	0.214
V9										-0.173	0.152
V10											-0.173
V11											

The matrix includes (55) correlation coefficients (diagonal cells are not counted), of which (26) are positive correlations and (29) negative correlations, the significant associations are (12) of which (5) are positive correlations and (7) are negative correlations, while the correlations are Non-significant (43) correlation coefficient, through this, we can infer several clusters that foresee the existence of factors underlying these associations.

View, Analyze, and Discuss the Underlying Roots, Contrast Ratios, and Aggregate Variance of Factors

These names are only statistical indicators that confirm the accuracy and legitimacy of their use, as the number of extracted factors is based on the number of roots equal or greater than the correct one for each factor. From Table (4) we find that there are five values whose root roots exceed the correct one and since the factors, The extract depends mainly "on the number of latent roots equal and greater than the correct one, so we can indicate that the number of extracted factors will be five factors, [6] as in Table (4).

Table 4: Values of Latent Roots, a Ratio of Variance and Aggregate Variance to Factors

Component	Values of latent roots	Contrast ratio (importance of factors) % of Variance	Cumulative %
1	2.909	26.441	26.441
2	1.899	17.264	43.706
3	1.834	16.675	60.380
4	1.378	12.529	72.910
5	1.009	9.171	82.081
6	0.608	5.524	87.604
7	0.577	5.250	92.854
8	0.343	3.121	95.975
9	0.274	2.487	98.461
10	0.131	1.191	99.652
11	3.827E-02	.348	100.000

Matrix Factors before Rotation

The correlation matrix changed into analyzed globally using the holing precept additives, that is one of the excellent methods utilized in global evaluation and is characterized via its recognition of Henry Kaiser's proposal

(the gunman), a criterion that stops extracting elements whose underlying root is less than an appropriate one from the best one. Rotation works to avoid randomness in determining elements, and Thurston (1949, thirty-one) has advanced some systems to achieve the simple shape of the global matrix.[7]

- Each row inside the evaluation has to consist of at the least zero saturation.

- Every column ought to include many zero valuations, identical to as a minimum the wide variety of factors.

- Every pair of factors (columns) have to consist of a hard and fast of variables with zero saturation within the column and high saturation within the different column.

In a global array that carries 4 or more factors, a huge share of variables must have non-enormous (or Zero) ramifications of any pair of things.

For every pair of things within the matrix after rotation, there should be the lowest variety of suited and clean saturations.

Table 5: Factors Matrix before Orthogonal Rotation

Variables	Saturation by factor 1	Saturation by factor 2	Saturation by factor 3	Saturation by factor 4	Saturation by factor 5
V1	-0.192	1.155E-02	-0.430	0.735	-0.300
V2	0.366	0.777	-0.255	0.149	0.304
V3	0.477	-0.735	0.117	-9.279E-02	-0.190
V4	-2.348E-02	0.356	-0.226	-0.825	-0.180
V5	-0.793	-0.149	-9.870E-02	5.872E-02	0.453
V6	0.757	0.113	0.284	2.172E-02	-0.200
V7	-0.264	0.585	0.649	2.548E-02	8.317E-02
V8	0.503	4.610E-02	-0.540	0.111	0.294
V9	0.345	4.563E-02	0.811	0.297	0.133
V10	-0.788	-0.253	0.241	-6.983E-02	6.980E-02
V11	0.494	-0.427	1.901E-02	-0.131	0.630

Orthogonal Rotation of Global Analysis

To reach the simple worldwide shape to explain the variance, the factors extracted within the model matrix working the use of the orthogonal rotation (Varimax) proposed via Qaizer had been turned around to arrive at the pleasant solution and put off the paradox that observed the global evaluation.[8] Recycling aims to gain factors which are easy to explain for, remove ambiguity, and attain the ideal solution. The recycling system is understood b) Rotating the axes around the authentic statistics so that every variable is saturated with handiest one factor with the best amount and this rotation makes each component characterized with the aid of the presence of some of the variables characterized by way of excessive saturation which It is straightforward to make clear labels for it) each row inside the evaluation includes as a minimum zero saturation.[9]

The following has been taken into consideration in explaining the factors:

1. Observe Thurston's instructions which encompass economics within the global description, of peculiar elements, various factors' saturation, meaningful interpretations.

2. Observe cattle commands that include the attractiveness of things that are constant with recognized scientific information, factors extracted from preceding studies, well-known psychological expectations,

previous global distributions, and the worker who is saturated with it accepts as a minimum three measurements so that the saturation of the measurements is not much less than (0.5).

3. Adopting the primary elements matrix after rotation in deciphering the consequences, and after arranging the suitable saturations on the descending elements.

Interpretation of the element in mild of most important saturations (0.5) or greater, with the resource of intermediate saturations (0.3) or more.

Table 6: Matrix of Factors after Rotation (Orthogonal)

Variables	Saturation by factor 1	Saturation by factor 2	Saturation by factor 3	Saturation by factor 4	Saturation by factor 5	Commonness
V1	-7.475E-02	-0.374	0.148	**-0.339**	**0. 35**	0.807734
V2	0.238	6.262E-02	**0.924**	-4.581E-03	-4.998E-02	0.667250
V3	0.430	-0.272	**-0.622**	**0.305**	0.126	0.969999
V4	4.530E-02	-0.114	0.106	-0.140	**-0.919**	0.470465
V5	**-0.926**	2.674E-02	-1.156E-02	3.552E-02	9.887E-02	0.809536
V6	**0.807**	0.168	3.721E-02	0.163	2.421E-02	0.605784
V7	-0.100	**0.859**	0.201	-0.210	-9.046E-02	0.769813
V8	0.232	**-0.497**	**0.483**	0.320	9.881E-02	0.838161
V9	0.376	**0.728**	-8.234E-02	0.276	**0.560**	0.730116
V10	**-0.713**	0.237	**-0.413**	-0.133	-3.692E-03	0.461111
V11	9.492E-02	-0.135	1.058E-02	**0.399**	7.391E-02	0.850347

Conditions for Acceptance and Interpretation of the Worker[10]

1. Accept the factor that is equal to or greater than its latent root
2. The worker must be satisfied with at least three tests

Accordingly, 4 factors were accepted as they met the conditions for their acceptance, and thus the global study concluded 7 factors. The test was chosen for each worker who achieved the highest degree of resemblance to the worker, based on what referred to by Fleishman. In selecting the battery units,[11] the selected battery units represented the extracted factors that were accepted and interpreted in light of the reference framework. For research, accordingly, the factors accepted in this study that should be represented in the battery are:[12]

Table 7: Shows the Factors Extracted, Variables Symbols and their Tests

Name Test	Variable code	Factor
Dribble in a straight line of 15 meters	**V5**	First
Shooting accuracy (9 m) 10 balls	**V7**	Second
Receipt and delivery of a high level 30 second	**V2**	Third
Dribble winding line 15 m	**V4**	Fifth

Description of the Extracted Tests

The name of the test is winding dribble between characters for a distance of 15 m.[13]

The intention of the check: To measure the ability to sell-off.

Equipment: 5 handballs, stopwatch, adhesive tape, measuring tape, whistle, and 5 characters.

Overall performance specs: installation five vertical brackets on the ground in an immediate line and the space among each, (3 pm) and draw a line for the start, that's 3m far from the primary man or woman.

- The laboratory stands at the back of the beginning line while listening to the starting signal. It bounces the ball with zigzag jogging between the straps backwards and forward.
- The participant runs from side to side in line with the desired time.

The name of the take a look at is Dribble in a straight line for a distance of 15 meters.[14]

The identical approaches in the preceding take a look at, besides that the dribble is in a direct line call of the take a look at Correction accuracy from (nine) m

The aim of the test: the tools: squares of correct correction of their dimensions (50 cm x 50 cm) and handballs wide variety (15) and 1/2 of the handball subject performance specifications: A perpendicular point is ready at the centre of the intention to be corrected, provided that the scoring is in the flagella manner and that the scoring is on the 2 suspended targets within the higher corners of the purpose and from a distance of 9 m.

Calendar: successful tries are counted in the two squares.

Test name: pass and acquire the ball at the wall from a distance of four m for 30 seconds.

The intention of the take a look at: to degree skip-thru and acquire.

Equipment: 15 handballs, a stopwatch and a flat wall.

Performance specs: The participant stands in the back of the line drawn at the floor 4 meters away so that he does not touch him during the overall performance. The player passes the ball at the wall and gets it constantly as regularly as feasible within the detailed time.

Calendar: be counted the wide variety of passes and receipt during (30 seconds).

IV. CONCLUSIONS

1. Simple global construction for basic skills tests with handball has been determined.
2. A total of 4 tests were presented representing the pure factors with the greatest saturation of the basic skills tests for handball for emerging players.
3. The tests that were reached through which the budding youth players can be tested.

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