Banha University

Faculty of physical education for boys

Education science, physiological,

Social department

The Absolutely Standard Degree for Physical Acceptance Tests for the Students applying to the colleges of Physical Education in Arab Republic of Egypt

Research presented within the requirements for obtaining the degree of doctor of philosophy in physical education

Presented by the researcher

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Summary

- The problem of the research:

The researcher observed that the followed methods in the choice of the students who want to join to the Faculty of physical education Arab republic of Egypt start by defining of the specification of the unimpaired body through some of the anthropometry measurement as for example height, weight and the body measurement by using some of physical tests.

Through the mechanical analysis to this tests we observe that the individual differences between the tested in the height, weight or both of them to form difficulty, the tested try to overcome to this when he do this testes in spite of who set up this testes have leave out this difficulty, that what give us untrue guiding for the testes case.

From that the researcher sees the mix between the anthropometry variables, physical test and the physical ability is necessary, where in any movement (test) some one does it must be fall under natural act.

The thing that lead us to see this tests by biomechanics and anthropometry vision and try to identify the natural act that control each test alone until we obtain the true data that form the physical and physiological ability for the testes to abide by the principles equivalence chance between them when they do the testes, it help us to set absolutely standard degree to voice the standard of the test to him self and by him self with out depending on the samples that the other testes depend on it.

- This research aim to:

1. Set absolutely standard degree in order to evaluate the tested students (boys - girls) applying to the testes of physical acceptance in the

faculty of physical education in Arab republic of Egypt by guidance (weight- tall- physical ability)in accordance with requests testes and mechanical work in it.

2. Set models of standard ruler in order evaluate the tested (boys – girls) applying to the testes of physical acceptance in the faculty of physical education Arab republic of Egypt depend on equation that the researcher put it to estimate the test degree of tested in each test.

-The questions of the research:

1. Are we can Set absolutely standard degree in order to evaluate the tested students (boys - girls) applying to the testes of physical acceptance in the faculty of physical education in Arab republic of Egypt by guidance (weight- tall- physical ability)in accordance with requests testes and mechanical work in it?

2. Are we Can Set models of standard ruler in order evaluate the tested (boys – girls) who want to apply to the testes of physical acceptance in the faculty of physical education Arab republic of Egypt depend on equation that the researcher put it to estimate the test degree of tested in each test?

The procedures of the search:

- The method of the research:

The researcher used the descriptive method to analyses some testes to know some of details for this testes, and he used the descriptive method by the surveys manner by collecting the students data had tested in the year university (2009- 2010 s) in faculty and Departments of physical education in university (Tanta, Sadat, Elazhar and Banha).

-The sample of the research:

The researcher selects the essential sample of the research which had used in the movement analysis of the testes by the random method of students (boys and girls) of the faculty of Sadat Physical education, and their number (10), distributing to (5 students boys and 5 students girls), in addition to number of students who want to apply to the testes of acceptance in number of faculty and Departments of physical education in all the republic Tanta (boys and girls), Sadat (boys and girls) , Elazhar (boys)and Banha (boys) and their number is 1089 students (practical sample).

- The experiment of the research.

The researcher does movement analysis of the testes of physical acceptance (boys and girls) of the faculty of physical education to know that:

1. (Squat Thrusts – Burpree Test – boys) estimate the distance that the tested move and the weight that he move it in the only repeat as stable percentage from the weight and height of the tested to use it in equation to estimate the absolutely degree for the tested and the rate of distance is (91% from the height of tested) and weight is the same weight of the tested approximately.

2. (Pull – Ups Test- boys) estimate the distance of drag that the tested move in the only repeat as stable percentage from the height of the tested to use it in equation to estimate the absolutely degree for the tested and the rate of distance is (35% from the height of tested).

3. (Standing Broad Jump Test- boys and girls) estimate the speed of the tested in the performance to this test to confirm the validity of

equation of estimate the absolutely standard degree to the tested and the coefficient of correlation between the speed of tested that stemming of analysis and the speed that stemming of equation is statistics familiarity.

4. (Vertical Jump or Sergeant Chalk Jump Test - girls) estimate the speed of the tested in the performance to this test to confirm the validity of equation of estimate the absolutely standard degree to the tested and the coefficient of correlation between the speed of tested that stemming of analysis and the speed that stemming of equation is statistics familiarity.

5. (Medicine Ball Put Test –girls) estimate the speed of ball in the performance of test to confirm the validity of equation to estimate the speed of ball and the coefficient of correlation between the speed of ball that stemming of analysis and it's speed that stemming of equation is statistics familiarity.

6. (Modified Pull- Ups – girls) estimate the distance of drag and the weight that moved in the only repeat as stable percentage from the weight and height of the tested to use it in equation to estimate the absolutely degree for the tested and the rate of distance is (25% from the height of tested) and weight is the same weight of the tested approximately.

- The application of the research:

1. The researcher designate an application to put the data of person of practical sample as (series, height, weight, the crude degree, the degree of faculty by the ruler, the degree of the researcher by the ruler and the absolutely degree which estimated by the equation).

2. Reset degree of persons of sample in testes of physical acceptance by using the ruler relating to degrees of the tested in all faculties (degree of researcher by ruler).

3. Application equations of estimate the absolutely standard degree for the tested of physical acceptance for the students boys and girls who want to apply for the faculty of physical education in Arab republic of Egyptian the sample of the research to estimate the absolutely standard degree of the persons of sample in each test that depend on their crude degree.

4. Calculate the mean, the std.deviation and the skews for (the crude degree, the degree of faculty by the ruler, the degree of the researcher by the ruler and the absolutely degree which estimated by the equation) to confirm of normal that resulting.

5. Calculate correlation between (the degree of faculty by the ruler, the degree of the researcher by the ruler and the absolutely degree which estimated by the equation) to confirm of the validity of equation of estimate the absolutely standard degree and knew difference in using the ruler that used in the faculties from the researcher and the testes committee.

- The plane of Statistics treatment:

The researcher uses the Statistics methods which suit with the quality of the study as:

1. The Statistic description of data.

2. The relation correlation.

3. The percentage.

The results:

1. The researcher able to Set absolutely standard degree in order to evaluate the tested students (boys - girls) applying to the testes of physical ability to acceptance in the faculty of physical education Arab republic of Egypt, reliance at evenness calculation set by the researcher for each test, that help on Realize the principle of equivalence chance between tested .

2. Set models of standard ruler in order evaluate the tested (boys – girls) who want to apply to the testes of physical ability to acceptance in the faculty of physical education Arab republic of Egypt depend on equation that the researcher put it to estimate the test degree of tested in each test.