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**STUDY ANALYSE ABOUT STRUCTURE BODY AND ABILITY SWIM
STUDENT OF MEN FIK UNM MAKASSAR
SUDIRMAN BURHANUDDIN**

ABSTRACTION

Target of research, to know how far body structure [relation] body swim during two achievement and minute swim as far as 200 meters by using free-style, backstroke and breast-stroke, by student of FIK-UNM Makassar.

This Descriptive Research which have the character of Ex post. Problem of the checked do there coefficient [relation] assurance between body structure ably swim student of a men FIK UNM Makassar.

This research use Design Causal (relation) with pattern 4 x 1. Its population in this research student of a men FIK-UNM Makassar which have passed eye of study swim I, II, III, because amount of student deputizing entire/all student of is so-called *simple random sampling* (stratified sampling). And sample which [is] taken in this research [is] student which have passed eye of study swim I, II, and III and including best of amount which have been filtered and represent result of selection of student of men FIK-UNM Makassar year 2002 / 2003 the amount of sample counted 50 people.

Result of research, showing knowing of situation of body structure and ability of student of men FIK UNM Makassar. It is known the existence of correlation coefficient assuring between body structure ably and achievement swim student of FIK UNM Makassar. Value Structure body ably swim 2 minute is $r = 0,78$, while ability breast-stroke swim is $r = - 0,44$, for free-style is $r = 0,74$, and backstroke is $r = 0,54$.

Conclusion presented to become one, that is : "with good body structure can give achievement and ability swim better also".

These days athletic branch of swim more and more to be liked by Indonesian nation. This matter seen because awareness of our nation to conduct excelsior athletics. Athletic of swim represent healthy recreation for people, good to adult, and also for children. Each; Every race in country and also beyond the sea (and national and international), sincerity between club, and also championship also.

group which always in following by many participant. Big is amount of this participant enough excitement, especially if attributed to athletic pennon or slogan that is : Socializing Athletics and society athletics. In general participant is student and schoolboys. School is true have important role in effort bear sportsman seed.

As have been known to accommodate activity of student athletics outside school, governmental have provided the place of which named by POPNAS and of POMNAS. Conducted by Activity POPNAS and of POMNAS among others is carry out races start area storey; level mount national. On that account campus and in schools need instruction of athletics, including swim athletics. Cozening athlete to be improved by its achievement until national level and also international require to look for by athlete owning ideal body structure, and supported by ability of adequate skill. Caused by athlete owning adequate skill which very however less in skill for athletic branch.

On that account needing the existence of test assessment of ability of tight athlete and have the character of totally concerning all aspects determinant of attainment of achievement a athlete. One of the determinant is factor of biologist which concerning element ability of body base, body organs function, and body structure.

Skill swimming to claim also stamina or ability of endurance work body that doing conducting effective movements as a swimmer. According To Ong Sioe Tjiag and Tarigan, teaching swim pursuant to sequence : foot/feet practice, arm practice and exhalation practice. As does other athletic branch have also elementary movement.

At all coach not yet known skill storey; levels needed by each ;every swimmer, because there is no guidance to all coach about skill storey; level swim needed by all swimmer.

Pursuant to problems which have been told above hence writer feel to impel to do conduct research utilize to know manifestly body structure relation link ably swim by taking student sample of men FIK UNM Makassar.

This research is Descriptive Research which has the character of Ex facto post. Problem of the checked is do there is coefficient relation assuring between body structure ably swimming of men FIK UNM Makassar.

Target of research, to know how far body structure relation ably swimming during two minute as far as 20 meters by using free-style, backstroke and breast-stroke, by student of FIK-UNM Makassar.

In General Dictionary Indonesian interpreted that, Structure is how something compiled, someone body building framework is as a whole seen from footage and is big of body like : body weight, high of body, long of arm, long of feet, radian of thigh, radian of arm, radian of chest, and is thick of fat under husk.

Body structure each individual differ between one with is other. And body structure represent determinant in skill or ability of motion, progressively goodness body structure goodness every individual progressively goodness also mount ability of his motion. Evidence of this relation can be seen in all athletic branch.

Anthropometric represent eldest body structure measuring instrument as far as which is recognized and noted to start early history. That thing represent form of test which is earlier to be utilized in growth of physical, as laid open by H. Harrison Clarke "Anthropometry's the oldest type of the body measurement know, dating back to the beginning of the recorded history. The concept of the ideal proportion varied over periods of time".

While ability swimming that is an readiness use knowledge of someone by effective and efficient. Robert N. Singer tell clearer congeniality definition again "In the consistent degree of success is achieving on objective with deficiency and effective need."

Meaningful Ability term an art in many activity form like writing, considering, acting, conversing or playing. In Indonesian general dictionary specified by ability word that is handiness, or skill do something better and careful with membership. Swimming is a activity in water to do transfer of place, by conducting regular exhalation, putting down appropriate body position, and also conduct extremity movement according to rule of utilized style. Referring to the matter above hence theory to study by ability of student in mastering some style in swimming, to check that are: free-style, breast-stroke, backstroke. Before swimming we should be able to be adrift in water later; then we can accelerate with styles mastered.

In this research, is raised four hypothesis which is on its base stem from one hypothesis, that is: "There is coefficient relation assuring between ability body structure and achievement swimming of student of FIK-UNM Makassar.

This Research use Causal design (relation) with pattern 4 x 1. Its population in this research is the overall of the amount of object becoming attention which forming a corps or gathering / totality all value than characteristic or nature of which it is important to know or to check. In this case characteristic which it is important to know are body structure and ability swimming of men FIK-UNM Makassar as population which have passed eye of study swimming I, II, III, because amount of student deputizing entire/all student of is so-called sample technically random sampling (stratified sampling).

Sample which is taken in this research are student which have passed eye of study swimming I, II, and III and including best of amount which have been filtered and represent result of selection of men FIK-UNM Makassar year 2002 / 2003 is the amount of sample counted are 50 people.

Instrument in research is equipments which is utilized in intake of data. These Research instruments have been tested in research. In this research, instrument the used is measurement of anthropometric utilize to know body structure.

Archives the gathered is result of measurement of Anthropometric which consist of eight kinds of measurement that are: (1) High body (2) Weight body (3) Length arm (4) Length feet (5) Circle chest (6) Circle arm (7) Circle thigh, and (8) Thick fat under husk, representing free variable. While other archives which represent variable of dependent, consist of : (1) Swimming during two minute with measuring gone through distance (2) Swimming free-style as far as 20 meters, and (4) Swimming backstroke as far as 20 meters. Result of and measurement of test which have been conducted, to be transferred to value of T (T-Score). Pursuant to index value. All gathered archives, to be compiled into tables of according to requirement of statistic which is needed in processing.

Result of research, showing knowing of situation of body structure and ability of men FIK UNM Makassar. This Matter is known through by examination of hypothesis at level of significance 5% with degree of freedom $\alpha = 0,05$. Is also known by the existence of correlation coefficient assuring between ability body structure and achievement swimming student of FIK UNM Makassar. Value ability Structure body with skill swimming 2 minute is $r = 0,78$, while ability

of breast-stroke swim is $r = - 0,44$, for free-style is $r = - 0,74$, while backstroke is $r = - 0,54$.

Conclusion of which can pulled pursuant to examination of hypothesis empirically, there are four conclusion according to the number of hypothesis which is later; then presented to become one, that is: "with good body structure can give achievement and ability swimming better also".

For the shake of development and improvement of achievement and science hence raised by the following suggestions :

(1) Upon which to motivate all coach, student and teacher of FIK UNM Makassar to reach for achievement which at the farthest in athletic branch of swim (2) Upon which information for the completion of process learn to teach in FIK UNM Makassar (3) As criterion in seeking and invention of marked sportsman seed, passing measurement of anthropometrics to get ideal athlete type, and (4) Needing the existence of relevant research, for the shake of enriching science in sportsmanship area.

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