

ABSTRACT

Azhar Hanif Fakhri . The relationship between the speed of reaction and coordination eyes hands with the results of a blow the ball softball on student club softball jakarta state university , (sport the faculty of jakarta state university , 2017).

The purpose of this research is to find the relationship between speed reactions and coordination eyes hands with the results of a blow the ball softball in students club softball jakarta state university .This study was conducted in july 8 2017 on the basketball court jakarta state university and field softball velodrome , east jakarta .By using the method survey that is technique the correlation with way to measure speed reaction by a test nelson hand reaction , coordination eyes hand by a test throwing get a tennis ball , and The results of a blow the ball softball by a test fungo batting .Third the data collected is then be correlated with using a technique simple correlation .Population in this research is athletes who aktiv follow club the ball softball at a softball jakarta state university to are only sampled by the number of 20 people to technique purposive sampling .

Technique filing hypothesis was conducted using technique analysis statistika simple correlation and correlations double use test r with the economic situation of significant $\alpha = 0.05$ and value $n = 20$ obtained t table = 1,734.

Based on the results of the analysis in this research then obtained a coefficient $(r_{X1y}) = 0,428$ with t count as much as 2,223 and t 1.734 table as much as .Because t count > t table there is a positive relationship between the speed of reaction with the

results of a blow the ball softball .While for coordination eyes hands with the results of a blow the ball softball obtained the value of the coefficients (r_{X2y}) = 0,73 with t count as much as 6,632 and t 1.734 table as much as .Because t count > t table then there is a positive connection .The second variables simultaneously obtained the value of a correlation coefficient ($r_{y 1-2}$) = 0,71 With f count of 8,69 and f table of 3,59 .Because f count > f table there is relations speed reactions and coordination eyes hands with the results of a blow the ball softball .

A coefficient test determination r^2_{x1y} of 18,3 % that deals with the results of a blow the ball softball , koefisien determination to r^2_{x2y} of 53,3 % that deals with the results of a blow the ball softball , koefisien determination to $r^2_{y 1-2}$ as much as 50,4 % , while 49.6 % is another factor that deals with the results of a blow the ball softball .Based on the results of the data available for analysis , then the result of this research can disimpulkan there is a positive connection between the speed of reaction with the results of a blow the ball softball , there is a positive connection between coordination eyes hands with the results of a blow the ball softball and there is a positive connection between the speed of reaction and coordination eyes hands with the results of a blow the ball softball on student the ball club softball jakarta state university .