

ABSTRACT

The Relationship between Body Height, Arm Muscle Strength, Balance, and Hand Eye Coordination on the Accuracy of Petanque Shooting Results for Fopi Sumenep Athletes: 2024. Saleha Azrah, Nuriyatus

Keywords: Height, arm muscle strength, balance, hand eye coordination, shooting results, and Petanque

Petanque is a sport that requires a fairly high level of accuracy. This research is based on the results that there are weaknesses in athletes when throwing the ball, namely height, lack of swing, balance and lack of accuracy in directing the ball to the target.

This research uses quantitative research methods with a descriptive correlational analysis approach. The population in this study was Petanque Sumenep athletes, totaling 15 people. The sample in this study used a total sampling technique. So, the samples in this study were 15 samples.

Research results from Petanque District athletes. Sumenep, there is a relationship between height and the accuracy of Petanque shooting results with a significance value of $0.047 < 0.05$ and a coefficient of determination of 2.71%. There is no relationship between arm muscle strength and accuracy of shooting results with a significance value of $0.112 > 0.05$ and a coefficient of determination of 1.83%. There is no relationship between balance and the accuracy of shooting results with a significance value of $0.131 > 0.05$ and a coefficient of determination of 1.66%. There is a relationship between hand eye coordination and accuracy of shooting results with a significance value of $0.000 < 0.05$ and a coefficient of determination of 8.51%. There is a relationship between height, arm muscle strength, balance, and hand eye coordination on the accuracy of shooting results of Petanque athletes in Sumenep Regency with a significant value of $0.000 < 0.05$.