

## **Abstract**

**Title:** A relationship between velocity and accuracy of chosen type of shooting in team-handball

**Goals:** The goal of this thesis is finding of relationship between velocity and accuracy of team handball throws because these factors influence the number of scored goals which arbitrate about results of each match.

**Methods:** The thesis is divided into 2 parts: theoretic which putts together actual knowledge about this topic and and practical part which presents practical measurement and its results.

Study of relationship between velocity and accuracy is based on practical measurement of chosen group of team handballers. The measurement itself consists of four chosen types of shots. We studied velocity of shots and their accuracy during shooting on selected places. For measuring velocity is used radar device Stalker. Measured values were statistically elaborated in programs Microsoft Excel 2007 and Statistica.

**Results:** The results of this thesis demonstrate relatively high relationship between velocity and accuracy. Accurate throws (60 and more percent succesful trys) reached velocity equal to 95% of maximal velocity. This velocity was the average of five throws with a maximum exertion to achieve maximal speed.

**Key words :** team handball – shooting velocity – shooting accuracy