DIFFERENCES BETWEEN QUALIFICATION AND FINAL RESULTS OF JAVELIN THROW FINALISTS OLYMPIC GAMES IN LONDON 2012

Abstract
Olympics as the most important sports event bring forth new results that often represent new Olympic, World or national records. Olympics in London are exactly an indication of such results. There has been recorded a shot of national record (NR=84,58m) of a javelin thrower, of the athlete of Trinidad and Tobago (K. Walcott), which his result from qualifications in the final performance increased by almost 3m. It is the result of Walcott, that was the reason for this study that treats differences in result success of male and female athletes of javelin throwers in the qualifying and final appearance. The main objective of this study was to determine the differences between individual results male and between individual results of female athletes participants of the Olympic Games in London in 2012. The sample included the top 24 elite athletes (12 female and 12 male), who participated in the qualifications and finals of the Olympic Games. The collected data were analyzed by the program package Statistica 7.0. by applying module's t-test for small dependent samples. The results did not confirm the existence of a statistically significant differences between the qualifying and final performance of competitors. Also, the results showed that only 33% of competitors in both sub causes obtained better shot in the final than in the qualification.

Key words: differences, Olympic game, javelin throwing