

# **SELECTION OF CHILDREN FOR RUNNING BASED ON FUNCTIONAL INDICATORS**

## **Abstract**

*Selection includes designed, directed and unified process of assessment and establishing, as well as selection, extraction, election, identification and classification based on certain qualities and quantities. This research was done in order to implement the selection of children properly and successfully and to help selecting children for successful engagement in the running events of aerobic-anaerobic type, which makes the problem of this research. The aim of the research is to determine the impact of functional abilities on the performance of children in the 600m running, and to use certain parameters in the selection of children. The research sample consisted of 83 seventh grade students of an elementary school in Novi Sad, aged 13-14. By the modifications of Bergman Harvard step test and spirometry five predictor variables were obtained and their influence on the result of the 600m running was established. A high system correlation of predictor variables and criterion variables at the level of  $p = .00$ . is obtained by regression analysis, which means that these tests can be used for selection of children for running aerobic-anaerobic type with a high probability of good predictions.*

**Key words:** selection, athletics, running, functional abilities