

## **Abstract**

**Title:** Dependence of somatotype and fitness condition in martial arts.

**Thesis aim:** Main aim of this thesis is to find out mutual dependence among tracked variables - placed in ranking list and UNIFITTEST (6-60).

**Methods:** For theoretical part of thesis the author used method of analysis and synthesis of specialized literary sources. In practical part the main method used was regression analysis. Method according to Heath-Carter was used to assessment somatotype. Towards evaluation of kinetic performance and efficiency was used UNIFITTEST (6-60).

**Results:** Results from research show us that during the research of mutual dependencies it hasn't proved any link between tracked variables and place in ranking list UNIFITTEST (6-60). Considering measured values judo athletes are in category endomorphic mesomorphic and karate athletes are in category well-balanced mesomorphic.

**Keywords:** somatotype, martial arts, karate, judo, UNIFITTEST (6-60)

