

## **ABSTRACT**

### **Titel:**

Choice reaction time comparison of Muay Thai athletes

### **Goals:**

The aim of this bachelor thesis is to find out whether oral tobacco has an influence on the reaction ability of a thaiboxing athlete (fighter) who uses it regularly and for a long time. Research compares selective responses to acoustic and visual stimuli among individuals who take oral tobacco while they are taking it and when they are without nicotine.

### **Method:**

Its method of quantity reseach, where to get the results, we used method of testing by Vienna test, in which we have choosen determination test. The non-parametric paired Wilcoxon's rank test was used for data processing.

### **Results:**

Based on the Vienna test system and further processed results by statistical method we have found out, that the results of thaiboxing athletes are not statistically significant and therefore we cannot say whether oral tobacco acts as a sedative or stimulant on thaiboxing athlete (fighter).

### **Key words:**

Vienna test system, oral tobacco, Muay thai, determination test, reaction time, choice reaction