

ABSTRAKT

Title:

Prediction of performance with software Combatfit

Aim:

Describe functions of software Combatfit. Compare calculation of Combatfit with terrain measurement.

The methods used:

The thesis is empiric – theoretic research and it consists of two parts.

1) Theoretic part - analytic work

2) Empiric part - methodologic study

Results:

The objective of research was time of run on 8 km trail with 10 kg of external load. Measured time was compared with time of software Combatfit prediction, which is based on entrance exams. Results show that prediction is noticeably different from measured time. Also it was investigated rate of relation tightness between prediction and measured time. Relation tightness worked out low, against expectation. Prediction of software Combatfit is inaccurate. This statement is certain for test aggregate, nevertheless it is not sure, if same conclusions will be reached for other performance groups.

Key words:

Software Combatfit, prediction of performance, movement, external conditions, load carriage.