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**VERIFYING PSYCHOMETRIC
CHARACTERISTICS OF TCI
(TEMPERAMENT AND CHARACTER INVENTORY)**

Abstract

The aim of this study was to verify the metric characteristics of TCI (Temperament and Character Inventory) on Bosnian population. TCI questionnaire is constructed for the purpose of empirical verification of psychobiological model of personality by Robert Cloninger et al (Cloninger, Przybeck, Svrakić and Wetzel, 1994). It consists of 240 items, grouped within the four Temperament Scales (novelty seeking, harm avoidance, reward dependence and persistence) and four Character scales (self-directedness, cooperativeness and self-transcendence). Metric characteristics of the TCI questionnaire were tested on a sample of 250 participants, students of the University of Zenica and the University of Tuzla. By verifying metric characteristics of TCI questionnaire results that are obtained are very similar to those of researchers in other countries. The results indicate that the value of Cronbach alpha coefficient for the subscales of temperament varies between 0.48 to 0.88, and for the subscales of character in the range from 0.80 to 0.84, indicating that this questionnaire has a satisfactory internal consistency. The scale of temperament Reward dependence (RD; $r = 0.48$) has a lower coefficient of internal consistency than allowed, which is the basis for additional operationalization and modification of the subscale. A factor analysis of TCI questionnaire separated factors, which correspond to the original four factor model of temperament and character tri-factor model, which indicates that this was an instrument that has a satisfactory structural validity.

Keywords: psychobiological model of personality, temperament, character, TCI