

Adaptation and Validation of Hexaco Personality Inventory Revised Instruments: Psychometrics Properties Based on The Rasch Model

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ABSTRACT

Assessment of personality traits of general population is important within the field of psychology. The HEXACO PI-R, one of a foundational measure which consist 60-items was developed to investigate person's personality traits. Although HEXACO-60 has often been used in clinical, personality and organizational research, one of the major issues surrounding this instrument is that of appropriate psychometric properties. This paper describes the development and initial validation of an Indonesian version of the HEXACO-60. A quantitative, cross-sectional research design with convenience sampling was used. Rasch analysis using Rating Scale Model (RSM) was used to study the dimensionality of the scale, the adjustment of each one of the items, the reliability values for the items and for the people, the validity of the construct, and the functioning of the response categories. A total of 320 participants from general population completed the Indonesian version of the HEXACO-60. Based on RSM analysis, we confirm that the Indonesian version of the HEXACO-60 maintains an adequate internal consistency and a unidimensional structure. We observed a good alignment between the question and the person's abilities as well as a high reliability for the items. Although the sample is large enough to corroborate the difficulty hierarchy of the items, the construct validity could be improved by introducing items of moderate and high difficulty. In general, the results show adequate psychometric properties of the Indonesian version of the HEXACO-60, so we recommend the use of six domain scores from the Indonesian HEXACO-60 in future research.

Keywords: Rasch model, psychometric properties, Hexaco-PI-R