

Reliability and validity for malay version of Bayley scales of infant and toddler development–third edition (Bayley-III): Preliminary study

Abstract

The purpose of this study is to assess reliability and validity of Bayley Scales of Infant and Toddler Development–Third Edition (Bayley-III) in Malay version. This instrument is used to measure infant and toddler's cognitive development, is comprise of five scales: mental, receptive communication, expressive communication, fine motor and gross motor. Bayley-III was translated into Malay language by using Back to Back Translation procedure proposed by Brislin (1973). Respondents of the present study were 34 infants between the age ranges of 9-13 months. This instrument consists of 17 age groups (A-Q) and for this preliminary study, the group H and I were selected. After reliability assessment by using internal consistency method Alpha Cronbach, it was found that reliability for cognitive scale ($r = .923$), receptive communication scale ($r = .765$), expressive communication scale ($r = .796$), fine motor ($r = .751$), and gross motor ($r = .920$). The results indicated that Bayley-III was high level of reliability in present study. As for convergence study of Bayley-III, it was established significant and positive inter correlation between five sub scales. Findings of the present study showed that Bayley-III can be used in Malaysian context specifically for children in Kota Kinabalu, Sabah, Malaysia.