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Paper title: "Rasch Measurement and Different Item Function (DIF) Analysis of the PERMA Well-Being Instrument for Secondary Students in Indonesia"

The increasing incidence of mental health problems among adolescents has raised global concerns. Therefore, it is essential to measure the level of well-being of adolescents, especially secondary students, who are in the transition stage. Using PERMA consists of 32 items divided into five domains. This study aims to evaluate the psychometric properties of the PERMA scale by applying the Rasch model. In addition, this study is expected to show the potential bias or function of different items from different schools and classes of the respondents. Involved 167 secondary school students on the Java Island. The analysis showed that the item distribution was not well spread, but the instrument had good quality conditions for measurement and could well measure PERMA Well-being. In terms of the quality of the Likert scale, simplification is not needed. The instrument's reliability shows that the scale cannot distinguish between individuals. However, there is a good interaction between people and items. In addition, the separation of items and scores showed a good distribution. Nevertheless, this instrument has bias from the demographic data type of school and grade levels; it can be seen in the school data that there are five items detected to be biased, and from grade levels, there are nine biased items. From the results of this instrument testing, it is necessary to revise the instrument to produce a better instrument for measuring the well-being of secondary students.