PEMBINAAN INSTRUMEN ATSS DILEMA-NUTRISI: MENILAI KESAHAN DAN KEBOLEHPERCAYAAN
(Development of ATSS Dilema-Nutrisi Instrument: Assessing Validity and Reliability)

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ABSTRACT
ATSS Dilema-Nutrisi is an instrument to gauge the goal oriented thinking based on the Articulated Thought in Simulated Situation (ATSS) procedure. The instrument is administered in Bahasa Melayu and specifically designed for Muslim youth in Malaysia. The instrument is intended to serve as a guide for a better understanding of the trends in cognitive behaviour of form four science stream students when stimulated to think in various situations related to nutrition and eating habit. ATSS Dilema-Nutrisi focuses on the student ability to articulate their thought in non-exam-nature scenarios. In this article, some possible approaches to increase the validity are discussed. Then, the validity and reliability of the instrument are discussed and tested in a pilot study. The validity and reliability checking are conducted in-depth using descriptive statistics and SPSS 23. From the analysis, the Average Congruency Percentage (ACP) is 90.9%. Content Validity for Individual Item (I-CVI) and Content Validity for Overall Scale (S-CVI) are 1.0. The Inter rater agreement (IRA) is 0.916, Inter rater reliability (IRR) is 0.763, Inter Class Coefficient (ICC) is 0.969, Intra Class Coefficient is 0.978 and Kendall Coefficient of Concordance for response homogeneity (W) is 0.056. From the findings, the instrument has an acceptable range of validity and reliability. Thus, the instrument is corrected and modified according to the expert comments before administrated for data collection.

Keywords: ATSS; cognitive behaviour; simulated situations; biology education; Articulated Thought in Simulated Situations; Tauhidic Science
Rujukan


