

DEVELOPMENT AND VALIDATION OF CATANDUNGANONS' ATTITUDE TOWARDS MATHEMATICS SCALE (CATOMS)

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ABSTRACT

The purpose of this study is to develop a scale attitude towards mathematics that is suitable to secondary Catandunganon students. Existing attitude towards mathematics scales are already established for its validity and reliability, however these were not tested if it is suited to Catandunganon students. Existing scale on attitude towards mathematics scale also for Filipino students were also established valid and reliable to college students. There was not study that developed scale on attitude towards mathematics that is suitable to secondary Catandunganon students. The researcher collected items to compose a 30-item scale on attitude towards mathematics from existing scales used in previous researches in the Philippines that are established valid and reliable. These items might be suitable to secondary Catandunganon students. Face and Content Validity was performed by the mathematics professors and teachers teaching in Catanduanes. Cronbach's α was computed to establish the internal validity of the scale. Factor analysis was performed to identify factors of the scale being developed. The researcher named the scale as Catandunganon's Attitude towards Mathematics Scale (CATOMS).

KEYWORDS: Exploratory factor analysis, Content validity & Attitude towards Mathematics