

ABSTRACT

YANI NURYANI. 2023. Analysis of the Difficulties Faced by Vocational High School Students in Solving Limit Problems from the Perspective of Math Anxiety. Master's Program in Mathematics Education Graduate Program of Siliwangi University.

This research aims to describe the difficulties of vocational high school (SMK) students in solving limit problems in terms of math anxiety. This study is of a qualitative descriptive type. The subjects of this study were 30 students from grade XII TKR Technician and Machinery at SMK Negeri 2 Banjar. Data were collected through solving test problems related to the limit concept, responding to a math anxiety questionnaire, and conducting unstructured interviews. The instruments used in this study were a 4-point limit test and a 16-statement anxiety questionnaire. The data analysis techniques used were data reduction, data presentation, and drawing conclusions. The results of this study are as follows: 1) Research subjects with high math anxiety levels (MAT) were represented by subject S23, who had limited ability in solving limit problems categorized as Very Poor, demonstrated by not mastering any of the problem-solving indicators, and subject S16, who had limited ability in solving limit problems categorized as Poor, demonstrated by only mastering one indicator, which is understanding the concept. 2) Research subjects with moderate math anxiety levels (MAS) were represented by subject S9, who had a fair ability in solving limit problems, and subject S10, who had a good ability in solving limit problems, both demonstrated by mastering two indicators, which are understanding the concept and applying the principles. 3) Research subjects with low math anxiety levels (MAR) were represented by subjects S20 and S28, both of whom had very good abilities in solving limit problems, demonstrated by mastering three indicators, which are understanding the concept, applying the principles, and solving problems..

Keywords: problem-solving difficulties, math anxiety, limit.