ABSTRCT

Abstract

Mathematics is a science that discusses numbers and calculations, discusses number problems related to quantity and measurement, studies the relationship between patterns, shapes and structures, ways of thinking, collections of systems, structures and tools. The objectives of this research are as follows: 1. To find out where students made mistakes in solving open ended questions on quadrilaterals. 2. To find out what mistakes students made in solving open ended questions on quadrilateral material based on Newman's error analysis. This type of research uses qualitative descriptive research. Data was taken according to the reality at the research location. research results regarding the types of students' errors in solving open ended quadrilateral problems based on the Newman procedure. Data collection in this research was carried out by providing open-ended test questions and interview guides. An open ended question test was given to all students and three subjects were selected who completed all the questions but made the most mistakes. The results of research on written tests and interviews show that students make mistakes in solving questions, so it can be concluded that the location and type of errors in solving open ended questions on rectangular material based on Newman are as follows: 1. Reading errors, 2. Comprehension errors, 3. Transformation errors, 4. Process skill errors, 5. Endocing errors.