

ABSTRACT

Muh Dody Al Muhijrah. 2021. *Description of Critical Thinking Skills on the Subject Linear Equation System of Three Variables for Class X IPA 3 Students of SMAN 2 Jeneponto*. Essay. Mathematics Education Study Program, Faculty of Teacher Training and Education, University of Muhammadiyah Makassar. Supervisor I Alimuddin and supervisor II Nursakiah.

This study aims to describe the high, medium and low critical thinking skills of students by using 4 critical thinking indicators, namely interpreting, analyzing, evaluating and inferring the students of class XI IPA 3 SMA Negeri 2 Jeneponto on the material of a three-variable linear equation system. This study is a qualitative study designed to determine the subject's critical thinking ability based on a critical thinking test. The data processed is the students' critical thinking ability by using critical thinking questions based on the initial test first. Data collection techniques used are giving tests and interviews. The questions used in the test measure critical thinking skills in the form of essay questions totaling 2 numbers on the material of a three-variable linear equation system. The interview aims to determine the subject's thinking ability and to compare the results of students' critical thinking tests.

Based on the processed data, subjects with high critical thinking go through four stages of critical thinking ability indicators, namely the ability to interpret, analyze, evaluate and inference. At the interpreting stage, the subject is able to write down what he knows and what is being asked of the problems provided, at the analyzing stage the subject is able to write down what steps or methods he uses in solving the problem, at the evaluation stage the subject is able to look back at the steps he used whether is correct in solving the problems provided, at the inference stage the subject is able to draw conclusions from the problems given. Subjects who think critically are, on question number one the subject is able to solve problems using 4 critical thinking indicators. However, the subject when working on question number 2 the subject was unable to solve the problem given because the question was in the form of a story question so that the subject was confused and did not know how to solve the given problem. Subjects with low critical thinking, the subject only answered 2 indicators of critical thinking, so that it can be concluded that the subject of high critical thinking meets 4 critical thinking indicators, the subject of critical thinking is in question number 1 meets 4 indicators of critical thinking ability but on question number 2 the subject is unable to solve the problem because the question is in the form of story questions, and the subject of critical thinking is low only meet 2 indicators of critical thinking skills.

Keywords: Critical Thinking, Three Variable Linear Equation System