

ABSTRACT

Desita Yolanda, IDN 417314011 (2023). An Analysis of Scientific Literacy in Ecosystem Topic on 10th Grade Students at SMAN 17 Medan.

This descriptive-quantitative research aims to determine students' scientific literacy skills in Ecosystem material at SMAN 17 Medan, Indonesia. A total of 123 grade 10 students were randomly selected as a sample in this study. The data collection technique used is in the form of test instruments arranged based on aspects of science knowledge and competence as many as 20 questions and attitude questionnaires prepared based on aspects of science attitudes as many as 20 questions. The results showed that students' scientific literacy skill on ecosystem topic at SMAN 17 Medan was 14,1% of students were in poor category, 8,6% were in very poor category, 37.3% were in fair category, and 37.3% was in good category. For scientific literacy aspects, context, knowledge, and competency aspect are in medium category with the average score is 66,7%, 66%, and 67% in order. Highest percentage is attitude aspect with 71,1% is in high category. Of the three aspects that test students' intellectual abilities using tests, the highest aspect is the competency aspect and the indicator most mastered by students in this aspect is interpreting scientific evidence and data with the highest percentage of 74.5%.

Keywords : Scientific literacy, aspect of science knowledge, aspect of science competence, aspect of attitude science, ecosystem

