

Analysis of Student Problem-Solving Skills in XI Class Biology Learning at State Senior High Schools Sleman Regency

Oleh: Avi Dwi Ayunda, Himmatul Hasanah, Nur Aeni Aryanti

ABSTRAK

Problem-solving skills are considered essential for students, especially high school students because it can help them make correct, conscientious, systematic, and logical decisions and weigh various viewpoints. If students are less adept at solving problems, it will lead them to habits that engaging in various activities without knowing the purpose and reason for doing so. Need for High school students to have problem-solving skills because biology subjects are developed through analytical, inductive, and deductive thinking to solve problems related to events that exist in nature. The research was intended to learn about the problem-solving skills of students in the XI class at state SMA Sleman Regency. The population in this research were all state SMA Sleman Regency, namely 17 schools with a sample of 9 schools totaling 249 students who were selected using probability sampling with cluster sampling technique. Data-collection techniques use tests of problem-solving in the form of multiple choice and coordinated descriptions using the problem-solving skill indicator of understanding the problem, evaluating the alternative, and creating the problem resolution. Evaluating the alternatives, and making problem-solving designs. The results showed that the level of problem-solving skills of class XI students at state SMA Sleman Regency was in the medium category with a percentage of 43.21%. The percentage of each indicator namely understanding the problem is 65.8% in the capable category, evaluating alternatives is 37% in the less category, and making a problem-solving design 29% is in the less category.

Kata Kunci: *Analysis; High School Biology Learning; Problem-Solving Skills*