

ABSTRACT

Analysis of the Relationship Between the Use Laboratories with Biology Learning Outcomes of Students in Grade XI in Senior High School 1 Binjai in the 2019/2020 Study Year.

This study aims to determine the relationship between the use of biology laboratories and students learning outcomes biology class XI IPA SMA Negeri 1 Binjai. The population in this study were all students of class XI IPA which consisted of eight classes. The research sample was taken by purposive sampling with the consideration of the biology teacher who taught the class. The research samples were class XI IPA 1 and XI IPA 5. To obtain data on laboratory utilization, a questionnaire was given to two classes of research samples. To find out the learning outcomes of students' biology learning outcomes tests were used on the excretion system material and the respiratory system which were practical materials. From the results of the questionnaire data processing, 73.79% was obtained which was classified as high. Meanwhile, the results of the learning outcomes test obtained an average of 87.88. After analyzing the data, it turns out that there is a relationship between the use of biological laboratories and the students' biology learning outcomes with a correlation coefficient of 0.32% which is low and a contribution of 10.24%.

Keywords: Utilization of Biology Laboratory, Biology learning outcomes.

ABSTRAK

Analisis Hubungan Pemanfaatan Laboratorium dengan Hasil Belajar Biologi Siswa Kelas XI SMA Negeri 1 Binjai Tahun Pembelajaran 2019/2020.

Penelitian ini bertujuan untuk mengetahui hubungan pemanfaatan laboratorium biologi siswa dengan hasil belajar biologi siswa kelas XI IPA SMA Negeri 1 Binjai. Populasi dalam penelitian ini adalah seluruh siswa kelas XI IPA yang terdiri atas delapan kelas. Pengambilan sampel penelitian dilakukan secara *purposive sampling* dengan pertimbangan dari guru biologi yang mengajar di kelas. Sampel penelitian yaitu kelas XI IPA 1 dan XI IPA 5. Untuk memperoleh data pemanfaatan laboratorium digunakan angket yang diberikan kepada dua kelas sampel penelitian. Untuk mengetahui hasil belajar biologi siswa digunakan tes hasil belajar pada materi sistem ekskresi dan sistem pernafasan yang merupakan materi dipraktikkan. Dari hasil pengolahan data angket diperoleh persentase 73,79% yang tergolong tinggi. Sementara hasil dari dilakukan tes hasil belajar diperoleh rata-rata sebesar 87,88. Setelah dilakukan analisis data ternyata ada hubungan antara pemanfaatan laboratorium biologi dengan hasil belajar biologi siswa dengan nilai koefisien korelasi sebesar 0,32% tergolong rendah dan kontribusi sebesar 10.24%.

Kata Kunci: Pemanfaatan Laboratorium Biologi, Hasil Belajar Biologi.