

ABSTRAK

Rizal Mukra. Analisis Kelengkapan Sarana laboratorium dan Intensitas Penggunaan Laboratorium Biologi serta Hubungannya dengan Keterampilan Proses Sains Siswa pada 4 Sekolah Negeri di Kota Medan Tahun Pelajaran 2018/2019. Tesis. Medan: Program Pascasarjana Universitas Negeri Medan, Nopember 2019.

Penelitian ini bertujuan untuk menganalisis kelengkapan sarana dan intensitas penggunaan laboratorium biologi serta hubungannya dengan keterampilan proses sains siswa pada 4 sekolah Negeri di Kota Medan. Jenis penelitian ini berupa deskriptif dengan pendekatan kuantitatif. Sampel diambil pada 4 sekolah secara *Cluster Sampling*, berdasarkan kriteria SMA Negeri di Kota Medan, yaitu MAN 1, MAN 2, SMA Negeri 3, dan SMA Negeri 4 Medan serta guru biologi dan siswa kelas XI. Menggunakan teknik pengumpulan data berupa lembar observasi untuk mengetahui kelengkapan sarana, data intensitas penggunaan laboratorium diperoleh dari metode wawancara tentang pelaksanaan praktikum biologi, dan menggunakan soal tes untuk mengukur keterampilan proses sains siswa. Analisis data menggunakan korelasi Spearman. Hasil dalam penelitian ini adalah kelengkapan sarana laboratorium biologi berada pada kategori baik (77,34), intensitas penggunaan laboratorium berada pada kategori tinggi (82,14), dan keterampilan proses sains berada pada kategori baik (74,74), serta terdapat hubungan antara kelengkapan sarana laboratorium biologi dengan keterampilan proses sains dan juga terdapat hubungan antara intensitas penggunaan laboratorium biologi dengan keterampilan proses sains dengan kategori kuat.

Kata Kunci: *Sarana, Intenistas, Laboratorium Biologi, Keterampilan Proses Sains.*

ABSTRACT

Rizal Mukra. Analysis of the Completeness of Laboratory Facilities and the Intensity of Utilization of Biology Laboratories and the Correlation with Science Process Skills of Students for 4 Public Schools in Medan. Postgraduate School of the State University of Medan, 2019.

This researcher aims for analysing the completeness of laboratory facilities and the intensity of the utilization of biology laboratory and the correlation with science proses skills of students for 4 public schools in Medan. This type of research was descriptive with quantitative approach. Samples were taken at 4 public schools with *Cluster Sampling*, based on the criteria of public high school in Medan, namely MAN 1, MAN 2, SMA Negeri 3, and SMA Negeri 4 Medan and also biology teachers and XI grade students. By using data collection techniques consisted of observation sheets to study the completeness of the laboratory facilities, the utilization of biology laboratory was obtained from interview methods on conducting biology practices, and the test questions to measure students' science process skills. Were analyzed by using Spearman correlation. The results of this reserach are the completeness of laboratory facilities was in the good category (77.34), the intensity of the utilization of biology laboratory was in the high category (82.14), and the science process skills was in the good category (74.74). There was a correlation between the completeness of biology laboratory facilities with science process skill and also there was a correlation between the intensity of the utilization of biology laboratory with science process skill was in high category.

Keyword: *Facility, Intenistry, Biology Laboratory, Science Process Skills.*