

ABSTRAK

Baharis Setia Adisahputra Simatupang. Kontribusi Pengelolaan Dan Intensitas Penggunaan Laboratorium Terhadap Keterampilan Proses Sains Siswa SMP Negeri Se- Kabupaten Deli Serdang. Program Pascasarjana Universitas Negeri Medan 2020.

Penelitian ini bertujuan untuk mempelajari kontribusi pengelolaan dan intensitas penggunaan laboratorium terhadap keterampilan proses sains siswa SMP Negeri se-Kabupaten Deli Serdang. Populasi dalam penelitian ini adalah seluruh guru, pengelola dan siswa (63 sekolah) SMP Negeri se- Kabupaten Deli Serdang, sedangkan sampel penelitian yang berjumlah 32 sekolah terdiri dari 32 orang pengelola laboratorium, 32 orang guru IPA kelas VIII dan 32 orang siswa kelas VIII. Metode penelitian adalah deskriptif dan kuantitatif dengan teknik analisis data menggunakan statistik deskriptif dan inferensial yaitu analisis angket dan analisis regresi linier sederhana dan berganda. Hasil penelitian menunjukkan bahwa (1) Hasil analisis data persentase pengelolaan laboratorium IPA di SMP se-Kabupaten Deli Serdang rata-rata 83,03 % baik, (2) Hasil analisis data persentase intensitas penggunaan laboratorium IPA SMP se-Kabupaten Deli Serdang rata-rata 84,29 dalam kategori baik, (3) Hasil analisis data persentase keterampilan proses sains IPA SMP se-Kabupaten Deli Serdang rata-rata 85,42 % dalam kategori sangat baik. (4) kontribusi pengelolaan laboratorium IPA dengan ketrampilan proses sains siswa SMP se Kab Deli serdang adalah sebesar sebesar 0,825 ($r^2=0,681$) atau 68,10%, sehingga dapat disimpulkan pengelolaan laboratorium memiliki kontribusi yang kuat dengan keterampilan proses sains siswa SMP Negeri se-Kabupaten Deli Serdang. (5) kontribusi intensitas penggunaan laboratorium IPA dengan ketrampilan proses sains siswa SMP se Kab Deli serdang adalah sebesar 0,775 ($r^2=0,601$) atau 60,10%. sehingga dapat disimpulkan bahwa intensitas penggunaan laboratorium memiliki kontribusi yang kuat terhadap keterampilan proses sains siswa SMP Negeri se-Kabupaten Deli Serdang. (6) kontribusi pengelolaan dan intensitas penggunaan laboratorium IPA dengan ketrampilan proses sains siswa SMP se Kab Deli serdang adalah 0,857($r^2=0,716$) atau 71,6%. Hal ini menunjukkan bahwa Pengelolaan Laboratorium dan Intensitas Penggunaan Laboratorium memberikan kontribusi yang kuat terhadap Keterampilan Proses Sains Siswa SMP Negeri Se- Kabupaten Deliserdang.

Kata Kunci: Pengelolaan Laboratorium, Intensitas Penggunaan Laboratorium, Keterampilan Proses Sains

ABSTRACT

Baharis Setia Adisahputra Simatupang. The Contribution of Operational Management and Use Intensity of Natural Science Laboratory on the Students' Scientific Process Skills of the State Junior High School in Deli Serdang Regency. Postgraduate School of the State University of Medan 2020.

This research aims to analyze and find out The Contribution of Management and Operational Intensity Laboratory on the Scientific Process Skills of the State Junior High School Students Deli Serdang. The population of this research were all teachers, managers and students (63 schools) State Junior High schools which are located in Deli Serdang Regency. From the 32 schools, there were 32 people as the operational management staff, 32 Natural science teachers and 32 students of class VIII were taken as the samples of the research. The samples were taken by using random sampling technique. The method used in this research was descriptive method with quantitative approach. The results of the research showed that (1) the data analysis on the percentage of operational management of the laboratories was 83.03% on average or it can be stated in good category, (2) the data analysis on the percentage of the use intensity of laboratories was 84.29% on average or it can be stated in the good category, (3) the data analysis on the percentage of scientific process skills of the students was 85.42% on average, or it can be satated in very good category,(4) The contribution of the Natural Science laboratory operational management on the scientific process skills of the students was 0.825 ($r^2 = 0.681$) or 68.10%, so it can be concluded that laboratory operational management has a significant contribution on students' scientific process skills of of State Junior High Schools in Deli Serdang Regency, (5) the contribution of the use intensity of the laboratories on the students' scientific process skills was 0.775 ($r^2 = 0.601$) or 60.10%. and it can be concluded that the use intensity of laboratories has a significant contribution on students' scientific process skills of State Junior High Schools in Deli Serdang Regency. (6) the contribution of the operational management and use intensity of the laboratories on students'scientific process skills was 0.857 ($r^2 = 0.716$) or 71.6%. This shows that Operational Management and the use Intensity of Natural Science Laboratory have significal contribution simultaneously on the students' Scientific Process Skills of State Junior High School Students in Deli Serdang Regency.

Keywords: Operational Management, Use Intensity Natural Science Laboratory, Scientific Process Skills