ABSTRAK

Tommy, Muhamad. 2024. Analisis Keterampilan Proses Sains Mahasiswa Pada Pembelajaran Fisiologi Hewan Berbasis Praktikum Di Laboratorium Pendidikan Biologi FKIP Universitas Jambi. Tesis. Program Studi Pendidikan IPA, Pascasarjana, Universitas Jambi, Pembimbing: I. Dr. Afreni Hamidah, S.Pt., M.Si. II. Prof. Dr. Wilda Syahri, M.Pd

Penelitian keterampilan proses sains mahasiswa pada pembelajaran fisisologi hewan berbasis praktikum dengan tujuan untuk menanalisis keterampilan proses sains yang dimiliki mahasiswa Pendidikan Biologi FKIP Universitas Jambi. Metode penelitian yang digunakan deskriftif kuantitaif dengan teknik pengumpulan data berupa lembar observasi, wawancara dan dokumentasi terhadap pelaksanaan kegiatan praktikum yang dilakukan oleh mahasiswa Program Studi Pendidikan Biologi sebanyak 116 orang mahasiswa. Hasil penelitian menggambarkan bahwa pada pelaksanaan kegiatan praktikum fisiologi hewan, keterampilan proses sains mahasiswa Pendidikan Biologi angkatan 2022 masih terdapat kategori kurang terampil diantaranya pada keterampilan klasifikasi sebesar 63%, prediksi sebesar 63%, interpretasi sebesar 59%dan menerapkan konsep sebesar 58% hal ini dikarenakan masih kurangnya pemahanan konsep teori mahasiswa yang diajarkan oleh dosen sehingga dalam aktivitas praktikum kurang maskimal dalam menerapkan teori baru, sedangkan keterampilan merencanakan percobaan, menggunakan alat dan bahan, mengajukan pertanyaan, observasi, berhipotesis, dan komunikasi berkategori terampil. Simpulannya berdasarkan hasil tersebut rata-rata keterampilan proses sains mahasiswa masih berkategori kurang terampil ada empat keterampilan dengan persentase dibawah 63% dan rata-rata berkategori terampil sebanyak enam keterampilan dengan persentase diatas 69%.

Kata Kunci: Keterampilan proses sains, pembelajaran praktikum, fisiologi hewan

ABSTRACT

Tommy, Muhamad. 2024. Analysis of Student Science Process Skills in Practicum-Based Animal Physiology Learning at the Jambi University Faculty of Biology Education Laboratory. Thesis. Science Education Study Program, Postgraduate, Jambi University, Supervisor: I. Dr. Afreni Hamidah, S.Pt., M.Si. II. Prof. Dr. Wilda Syahri, M.Pd.

Research on student science process skills in practicum-based animal physiology learning with the aim of analyzing the science process skills possessed by Biology Education students at FKIP Jambi University. The research method used is quantitative descriptive with data collection techniques in the form of observation sheets, interviews and documentation on the implementation of practicum activities carried out by 116 students of the Biology Education Study Program. The results of the study illustrate that in the implementation of animal physiology practicum activities, the science process skills of Biology Education students class of 2022 still have a less skilled category including classification skills by 63%, prediction by 63%, interpretation by 59% and applying concepts by 58% this is due to the lack of understanding of the concept of student theory taught by lecturers so that in practicum activities less mascimal in applying new theories, while the skills of planning experiments, using tools and materials, asking questions, observation, hypothesizing, and communication are skilled categories. The conclusion based on these results is that the average student's science process skills are still categorized as less skilled, there are four skills with a percentage below 63% and an average of six skills categorized as skilled with a percentage above 69%.

Keywords: ***Science process skills, practical learning, animal physiology.***