

ABSTRAK

Sari, Lela Fisa. 2026. Persepsi Mahasiswa Tentang Lingkungan Belajar di Laboratorium Sains pada Mata Kuliah Mikrobiologi di Program Studi Pendidikan Biologi Universitas Maritim Raja Ali Haji. Skripsi. Tanjungpinang: Program Studi Pendidikan Biologi, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Maritim Raja Ali Haji. Pembimbing I: Elfa Oprasmani, S.Pd., M.Pd. Pembimbing II: Dr. Erda Muhartati, S.Si., M.Si.

Kata Kunci: *Lingkungan Belajar Laboratorium Sains, Science Laboratory Environment Inventory (SLEI), Mikrobiologi, Mahasiswa.*

Lingkungan belajar laboratorium sains merupakan faktor penting yang mendukung keberhasilan pembelajaran praktikum karena menciptakan suasana belajar kondusif serta meningkatkan keterlibatan mahasiswa dalam kegiatan laboratorium. Penelitian ini bertujuan menganalisis lingkungan belajar laboratorium sains pada mata kuliah Mikrobiologi mahasiswa Program Studi Pendidikan Biologi Universitas Maritim Raja Ali Haji. Penelitian menggunakan pendekatan kuantitatif dengan jenis deskriptif. Sampel berjumlah 129 mahasiswa yang dipilih menggunakan teknik *purposive sampling*. Data dikumpulkan melalui angket *Science Laboratory Environment Inventory (SLEI)* yang telah teruji valid dan reliabel, kemudian dianalisis menggunakan statistik deskriptif dengan bantuan IBM SPSS Statistics dan Microsoft Excel. Hasil penelitian menunjukkan bahwa lingkungan belajar laboratorium sains pada mata kuliah Mikrobiologi berada pada kategori sangat tinggi pada seluruh indikator, yaitu *Student Cohesiveness*, *Open-endedness*, *Integration*, *Rule Clarity*, dan *Material Environment*. *Student Cohesiveness* menjadi indikator paling menonjol, sedangkan *Open-endedness* memperoleh capaian relatif lebih rendah meski tetap berkategori sangat tinggi. Dengan demikian, lingkungan belajar laboratorium sains pada mata kuliah Mikrobiologi di Program Studi Pendidikan Biologi UMRAH telah terkelola dengan baik dan mendukung tercapainya tujuan pembelajaran praktikum secara optimal.

ABSTRACT

Sari, Lela Fisa 2026. *Students' Perceptions of the Science Laboratory Learning Environment in the Microbiology Course at the Biology Education at Raja Ali Haji Maritime University*. Undergraduate Thesis. Tanjungpinang: Biology Education Study Program, Faculty of Teacher Training and Education, Raja Ali Haji Maritime University. Supervisor I: Elfa Oprasmani, S.Pd., M.Pd. Supervisor II: Dr. Erda Muhartati, S.Si., M.Si.

Keywords: *Science Laboratory Learning Environment, Science Laboratory Environment Inventory (SLEI), Microbiology, Students.*

The science laboratory learning environment is an important factor supporting the success of practical learning, as it creates a conducive atmosphere and increases student engagement during laboratory activities. This study aimed to analyze the science laboratory learning environment in the Microbiology course among Biology Education students at Raja Ali Haji Maritime University. A quantitative approach with a descriptive research design was employed. The sample consisted of 129 students selected through purposive sampling. Data were collected using the Science Laboratory Environment Inventory (SLEI) questionnaire, which had been tested for validity and reliability, and were then analyzed using descriptive statistics with the assistance of IBM SPSS Statistics and Microsoft Excel. The results showed that the science laboratory learning environment in the Microbiology course fell into the very high category across all indicators, namely Student Cohesiveness, Open-endedness, Integration, Rule Clarity, and Material Environment. Student Cohesiveness emerged as the most prominent indicator, while Open-endedness achieved a relatively lower score, although it remained in the very high category. Thus, the science laboratory learning environment in the Microbiology course at the Biology Education Study Program of UMRAH has been well managed and effectively supports the achievement of practical learning objectives.