

**DARI LABORATORIUM KE LAYAR KOMPUTER: STUDI  
PREFERENSI MAHASISWA TENTANG PEMBELAJARAN  
PRAKTIKUM *ONLINE* SELAMA *EMERGENCY REMOTE TEACHING***

**SKRIPSI**

Diajukan untuk Memenuhi Sebagai Syarat Memperoleh Gelar Sarjana Pendidikan  
Teknik Elektro Konsentrasi Elektronika Industri



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Sebuah skripsi yang diajukan untuk memenuhi salah satu syarat memperoleh gelar  
Sarjana Teknik Elektro pada Program Studi S1 Pendidikan Teknik Elektro

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## LEMBAR PERNYATAAN

Dengan ini saya menyatakan bahwa skripsi dengan judul " **DARI LABORATORIUM KE LAYAR KOMPUTER: STUDI PREFERENSI MAHASISWA TENTANG PEMBELAJARAN PRAKTIKUM *ONLINE* SELAMA *EMERGENCY REMOTE TEACHING*** " beserta seluruh isinya adalah karya asli saya sendiri. Saya tidak menjiplak atau mengutip dengan cara-cara yang tidak sesuai dengan etika ilmiah yang berlaku dalam komunitas ilmiah. Atas pernyataan ini, saya bersedia menanggung risiko/sanksi apabila dikemudian hari ditemukan adanya pelanggaran etika ilmiah atau adanya tuntutan dari pihak lain terhadap keaslian karya saya.

Bandung, 14 Juli 2023



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## ABSTRAK

### DARI LABORATORIUM KE LAYAR KOMPUTER: STUDI PREFERENSI MAHASISWA TENTANG PEMBELAJARAN PRAKTIKUM *ONLINE* SELAMA *EMERGENCY REMOTE TEACHING*

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Pandemi COVID-19 memaksa sistem pendidikan secara keseluruhan untuk melakukan transisi darurat dari pembelajaran tatap muka ke pendidikan jarak jauh, yang dikenal sebagai *Emergency Remote Teaching* (ERT). Transisi ini memungkinkan institusi untuk melanjutkan pengajaran mereka meskipun secara tidak langsung. Penelitian ini bertujuan untuk mengeksplorasi pengalaman mahasiswa Departemen Pendidikan Teknik Elektro Universitas Pendidikan Indonesia selama ERT yang dimulai karena pandemi COVID-19. Metode penelitian yang digunakan adalah metode kuantitatif dengan menggunakan survei *online* berdasarkan model *Community of Inquiry* (COI) untuk mengevaluasi pengalaman belajar *online*, meliputi kehadiran kognitif, sosial, dan kehadiran pengajaran. Responden survei terdiri dari 245 mahasiswa yang terdiri dari Angkatan 2019, 2020, dan 2021. Hasil studi menunjukkan bahwa mahasiswa menghadapi tantangan pribadi seperti manajemen waktu yang buruk, kurangnya motivasi, dan keterbatasan akses keuangan untuk koneksi internet. Selain itu, pembelajaran *online* juga membatasi interaksi sosial dan umpan balik instan dari dosen. Temuan dari penelitian ini dapat digunakan untuk memperoleh pemahaman yang lebih baik tentang pengalaman mahasiswa dalam lingkungan ini, serta memberikan wawasan yang berguna dalam desain dan integrasi intervensi serupa di masa depan. Penelitian ini juga memiliki kelebihan dalam mengidentifikasi faktor yang memengaruhi kinerja mahasiswa pada pembelajaran praktikum *online* di masa ERT.

**Kata Kunci:** *Emergency remote teaching, pembelajaran online, community of inquiry*

## **ABSTRACT**

### **FROM LABORATORY TO COMPUTER SCREEN: A STUDY OF STUDENT PREFERENCE ABOUT ONLINE PRACTICE LEARNING DURING EMERGENCY REMOTE TEACHING**

**Marza Sawalza**

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The COVID-19 pandemic forced the education system as a whole to make an emergency transition from face-to-face learning to distance education, known as Emergency Remote Teaching (ERT). This transition allows institutions to continue their teaching even if indirectly. This study aims to explore the experiences of students of the Department of Electrical Engineering Education at the Indonesian University of Education during the ERT which began due to the COVID-19 pandemic. The research method used is a quantitative method using an online survey based on the Community of Inquiry (COI) model to evaluate online learning experiences, including cognitive, social, and teaching presence. The survey respondents consisted of 245 students consisting of Classes of 2019, 2020, and 2021. The study results show that students face personal challenges such as poor time management, lack of motivation, and limited financial access to internet connections. In addition, online learning also limits social interaction and instant feedback from lecturers. The findings from this study can be used to gain a better understanding of students' experiences in this environment, as well as provide useful insights in the design and integration of similar interventions in the future. This research also has advantages in identifying factors that influence student performance in online practicum learning during the ERT period.

**Keywords:** Emergency remote teaching, online learning, community of inquiry



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