

# UPNVJ Electrical Engineering General Lecture Discusses Time Domain Analysis

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**Public Relations of UPNVJ** - The Electrical Engineering Study Program of the Faculty of Engineering, National Development University "Veteran" Jakarta (FT UPNVJ) held a public lecture with the theme "Time Domain Analysis" at the MERCe Hall, Campus 2 UPNVJ, Jakarta, on Tuesday (24/9/2025).

This event is part of the Adjunct Professor program to enrich students' insights.

The public lecture featured Assoc. Prof. Ir. Dr. Dirman Hanafi from Universiti Tun Hussein Onn Malaysia (UTHM) as a resource person. The event was attended by Electrical Engineering students from the 2024 and 2025 intakes, as well as faculty lecturers.

In her remarks, Adjunct Professor Silvia Anggraeni, Ph.D., Head of the Implementation Team, stated that this lecture supports the internationalization of learning at UPNVJ's Faculty of Engineering. "We want students to gain global insights from international academics to broaden their understanding of developments in electrical engineering," she said.

Dirman Hanafi explained that time domain analysis is a method for examining a system's response to inputs such as step functions, ramp functions, and parabolic functions over time. This analysis is crucial for evaluating the stability and performance of control systems, which are widely used in automation, telecommunications, and modern electronic device design. He cited examples of its application in industrial robot control systems and 5G networks.

The session was interactive, with discussions and a question-and-answer session. Students enthusiastically asked about the applications of time domain analysis in industry, such as control system optimization in smart manufacturing. Data from the Central Statistics Agency (BPS) in 2024 showed that the technology-based industrial sector in Indonesia grew by 6.2 percent, demonstrating the relevance of this topic.

The event concluded with a documentary session with speakers, lecturers, and students. This public lecture is expected to strengthen international academic networks and improve the quality of learning in the UPNVJ Electrical Engineering Study Program.



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