

# **LAPORAN PRAKTIKUM SIMULASI SISTEM PENGENDALIAN MENGGUNAKAN PENGENDALI PID**

*"Dijadikan untuk memenuhi salah satu mata kuliah Teknik Pengaturan"*



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**JURUSAN TEKNIK KONVERSI ENERGI  
POLITEKNIK NEGERI BANDUNG  
2017**

# Praktikum I Pengendali Pid

**Muhammad Rif'an**

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the name bar.

## **Praktikum I Pengendali Pid :**

**Aplikasi Simulator Laboratorium Kendali dengan Delphi** Muhammad Rif'an, Dunia pendidikan khususnya teknik telah dan akan terus mengembangkan pemanfaatan komputer ICT sebagai media pembelajaran Sebagai sumbang saran dalam mengembangkan media pembelajaran pada buku ini dibahas pembuatan suatu simulator teknik pengendalian dengan bahasa pemrograman Delphi dengan teknik pengendali PID Self Tuning dan Fuzzy Logic Beberapa hal yang diulas pada buku ini meliputi alasan perlunya membuat sebuah simulator bagaimana menterjemahkan fungsi fungsi matematik menjadi sebuah algoritma ADC DAC sebagai sarana penterjemah input output sinyal analog menjadi digital atau sebaliknya penggunaan komponen delphi untuk pengendalian rancangan perangkat ADC DAC dan bagaimana menghubungkannya dengan bahasa pemrograman implementasi algoritma pada listing program simulator sistem kendali dan pengendali serta uji coba program simulator *Dasar sistem kendali pemodelan, pengendalian, analisis, simulasi, dan implementasi* Alfian Ma'arif, 2021-09-15 Judul Dasar Kendali Sistem Pemodelan Pengendalian Analisis Simulasi dan Implementasi Penulis Alfian Ma arif Editor Budi Asyhari Buku ini dikhususkan bagi mahasiswa teknik elektro sebagai pendamping mata kuliah dasar sistem kendali sistem kendali lanjut dan yang ingin memperdalam bidang sistem kendali sistem kontrol Akan tetapi buku ini juga dapat dijadikan acuan bagi yang memiliki minat tinggi tentang dasar sistem kendali sistem kendali lanjut dan bidang sistem kendali sistem kontrol Buku ini mengkaji beberapa bagian dari pengenalan pemodelan sistem perancangan pengendali analisis simulasi hingga implementasi

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