



POLITEKNIK ELEKTRONIKA NEGERI SURABAYA

**FORMULIR RENCANA STUDI
TEKNIK ELEKTRO PROGRAM S2 TERAPAN**

Tanggal terbit : 18 Februari 2015

No. Revisi : 01

Tahun Ajaran : 2014/2015

Semester : Genap

Nama :

NRP :

Tahun Masuk :

Mata Kuliah Pilihan yang ditawarkan

Kode	Mata Kuliah	Semester	Kredit		Jam		✓
			Teori	Praktek	Teori	Praktek	
VE200005	Advanced Electronic Devices	2	2		2		
VE200006	Praktikum Advanced Electronic Devices	2		1		3	
VE200009	Applied Power Electronic	2	2		2		
VE200010	Praktikum Applied Power Electronic	2		1		3	
VE200013	Coding Techniques	2	2		2		
VE200014	Praktikum Coding Techniques	2		1		3	
VE200015	Dynamic Control System	2	2		2		
VE200016	Praktikum Dynamic Control System	2		1		3	
VE200027	Advanced Electric Machine	2	2		2		
VE200028	Praktikum Advanced Electric Machine	2		1		3	
VE200029	Probability and Random Process	2	2		2		
VE200030	Praktikum Probability and Random Process	2		1		3	
VE200033	Kinematika Robot	2	2		2		
VE200034	Praktikum Kinematika Robot	2		1		3	
VE200035	Intelligent Control	2	2		2		
VE200036	Praktikum Intelligent Control	2		1		3	

Persetujuan Dosen Pembimbing Utama,

Koordinator Prodi S2 Teknik Elektro

Alridjajis, S.T., M.T., Ph.D.

SEMESTER 1							✓
No	No. Kode	Mata Kuliah	Kredit		Jam		
			Teori	Praktek	Teori	Praktek	
1	VE201101	Advanced Mathematics, Algorithm & Programming	3		4		
2	VE201102	Signals and Systems	2		2		
3	VE201103	Research Methodology and Scientific Writing	2		2		
4	VE201104	Proposal Tesis	1		8		
5	VE201201	Advanced Communication	2		2		
6	VE201203	Instrumentation and Measurement System	2		2		
7	VE201202	Praktikum Advanced Communication		1		3	
8	VE201204	Praktikum Instrumentation and Measurement System		1		3	
9		Mata Kuliah Pilihan 1	2		2		
10		Praktikum Mata Kuliah Pilihan 1		1		3	
JUMLAH			14	3	22	9	

SEMESTER 3							✓
No	No. Kode	Mata Kuliah	Kredit		Jam		
			Teori	Praktek	Teori	Praktek	
1	VE202101	Progres Tesis 2	2		9		
2	VE203102	Standardization and Intellectual Property	2		2		
3	VE203201	Mechatronics & Industrial Automation	2		2		
4	VE203202	Praktikum Mechatronics & Industrial Automation		1		3	
5		Mata Kuliah Pilihan 4	2		2		
6		Praktikum Mata Kuliah Pilihan 4		1		3	
JUMLAH			8	2	15	6	

SEMESTER 2							✓
No	No. Kode	Mata Kuliah	Kredit		Jam		
			Teori	Praktek	Teori	Praktek	
1	VE202101	Progres Tesis 1	2		9		
2	VE202201	Advanced Sensor and Actuator	2		2		
3	VE202202	Praktikum Advanced Sensor and Actuator		1		3	
4		Mata Kuliah Pilihan 2	2		2		
5		Mata Kuliah Pilihan 3	2		2		
6		Praktikum Mata Kuliah Pilihan 2		1		3	
7		Praktikum Mata Kuliah Pilihan 3		1		3	
JUMLAH			8	3	15	9	

SEMESTER 4							✓
No	No. Kode	Mata Kuliah	Kredit		Jam		
			Teori	Praktek	Teori	Praktek	
1	VE204101	Tesis Akhir	6		18		
2							
3							
4							
5							
6							
JUMLAH			6	0	18	0	