



FORMULIR RENCANA STUDI

**S2 TEKNIK ELEKTRO
PROGRAM PASCASARJANA MAGISTER TERAPAN
POLITEKNIK ELEKTRONIKA NEGERI SURABAYA**

Persetujuan Dosen Pembimbing Utama,

Ketua Prodi S2 Teknik Elektro

Nama : Tahun Ajaran : 2017/2018
 NRP : Semester : Genap
 Tahun Masuk : No. Terbit : 07 / 19.02.18

Dr. Eng. Agus Indra Gunawan, S.T., M.Sc.

SEMESTER 1							✓
No	No. Kode	Mata Kuliah	Kredit		Jam		
			Teori	Praktek	Teori	Praktek	
1	VE201101	Advanced Mathematics	2		2		
2	VE201102	Signals and Systems	2		2		
3	VE201103	Research Methodology and Scientific Writing	2		2		
4	VE201104	Algorithm & Programming		1		3	
5	VE201301	Proposal Tesis		1		3	
6	VE201201	Instrumentation and Measurement System	2		2		
7	VE201202	Praktikum Instrumentation and Measurement System		1		3	
8		Mata Kuliah Pilihan 1	2		2		
9		Praktikum Mata Kuliah Pilihan 1		1		3	
JUMLAH			10	4	10	12	

SEMESTER 2							✓
No	No. Kode	Mata Kuliah	Kredit		Jam		
			Teori	Praktek	Teori	Praktek	
1	VE202101	Standardization and Intellectual Property	2		2		
2	VE202301	Progres Tesis 1		2		6	
3	VE202201	Advanced Sensor and Actuator	2		2		
4	VE202202	Praktikum Advanced Sensor and Actuator		1		3	
5	VE202203	Advanced Communication	2		2		
6	VE202204	Praktikum Advanced Communication		1		3	
7		Mata Kuliah Pilihan 2	2		2		
8		Praktikum Mata Kuliah Pilihan 2		1		3	
JUMLAH			8	5	8	15	

SEMESTER 3							✓
No	No. Kode	Mata Kuliah	Kredit		Jam		
			Teori	Praktek	Teori	Praktek	
1	VE203301	Progres Tesis 2		2		6	
2	VE203201	Mechatronics & Industrial Automation	2		2		
3	VE203202	Praktikum Mechatronics & Industrial Automation		1		3	
4		Mata Kuliah Pilihan 3	2		2		
5		Praktikum Mata Kuliah Pilihan 3		1		3	
		Mata Kuliah Pilihan 4	2		2		
6		Praktikum Mata Kuliah Pilihan 4		1		3	
JUMLAH			6	5	6	15	

SEMESTER 4							✓
No	No. Kode	Mata Kuliah	Kredit		Jam		
			Teori	Praktek	Teori	Praktek	
1	VE204301	Tesis Akhir		6		18	
2							
3							
4							
5							
6							
JUMLAH			0	6	0	18	

Mata Kuliah Pilihan yang ditawarkan

Kode	Mata Kuliah	Semester	Kredit		Jam		✓
			Teori	Praktek	Teori	Praktek	
VE200009	Applied Power Electronics	2	2		2		
VE200010	Applied Power Electronics Project	2		1		3	
VE200027	Advanced Electric Machine	2	2		2		
VE200028	Advanced Electric Machine Project	2		1		3	
VE200029	Probability and Random Process	2	2		2		
VE200030	Probability and Random Process Project	2		1		3	
VE200045	Advanced Digital System Design	2	2		2		
VE200046	Advanced Digital System Design Project	2		1		3	
VI200005	Knowledge Discovery	2	2		2		
VI200006	Knowledge Discovery Project	2		1		3	
VI200009	Web Design and Service Engineering	2	2		2		
VI200010	Web Design and Service Engineering Project	2		1		3	
VI200027	Medical Image Processing	2	2		2		
VI200028	Medical Image Processing Project	2		1		3	
VI200029	Internet of Things	2	2		2		
VI200030	Internet of Things Project	2		1		3	
VI200031	Cyber-Physical-Systems	2	2		2		
VI200032	Cyber-Physical-Systems Project	2		1		3	
VI200039	Advanced Data Science	2	2		2		
VI200040	Advanced Data Science Project	2		1		3	
VI200041	Statistic on Medical Science	2	2		2		
VI200042	Statistic on Medical Science Project	2		1		3	