



**FORMULIR RENCANA STUDI**

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

Persetujuan Dosen Pembimbing Utama,

Koordinator Prodi S2 Teknik Elektro

Nama : Tahun Ajaran : 2016/2017  
 NRP : Semester : Gasal  
 Tahun Masuk : No. Terbit : 04 / 19.08.16

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

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	
			10	4	10	12	
		<b>JUMLAH</b>	<b>14</b>		<b>22</b>		

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	
			8	5	8	15	
		<b>JUMLAH</b>	<b>13</b>		<b>23</b>		

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	
			6	5	6	15	
		<b>JUMLAH</b>	<b>11</b>		<b>21</b>		

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

**Mata Kuliah Pilihan yang ditawarkan**

Kode	Mata Kuliah	Semester	Kredit		Jam		✓
			Teori	Praktek	Teori	Praktek	
VE200003	Advanced Control Engineering	1	2		2		
VE200004	Praktikum Advanced Control Engineering	1		1		3	
VE200037	Optimal Control Systems	1	2		2		
VE200038	Praktikum Optimal Control Systems	1		1		3	
VE200039	Advanced Adaptive Control	1	2		2		
VE200040	Praktikum Advanced Adaptive Control	1		1		3	
VE200019	Mobile Communication Systems	3	2		2		
VE200020	Praktikum Mobile Communication Systems	3		1		3	
VE200023	Renewable Energy	3	2		2		
VE200024	Praktikum Renewable Energy	3		1		3	
VE200025	Advanced Electric Drives	3	2		2		
VE200026	Praktikum Advanced Electric Drives	3		1		3	
VE200031	Mobile Networks and Pervasive Computing	3	2		2		
VE200032	Praktikum Mobile Networks and Pervasive Computing	3		1		3	
VE200033	Kinematika Robot	3	2		2		
VE200034	Praktikum Kinematika Robot	3		1		3	
VE200013	Teknik Koding	3	2		2		
VE200014	Praktikum Teknik Koding	3		1		3	
VI200001	Advanced Computer Network	1	2		2		
VI200002	Praktikum Advanced Computer Network	1		1		3	
VI200003	Computer Vision & Image Processing	1	2		2		
VI200004	Praktikum Computer Vision & Image Processing	1		1		3	
VI200015	Network Security	1	2		2		
VI200016	Praktikum Network Security	1		1		3	
VI200017	Wireless Sensor Network	3	2		2		
VI200018	Praktikum Wireless Sensor Network	3		1		3	
VI200019	Intelligent Computing & Applications	3	2		2		
VI200020	Praktikum Intelligent Computing & Applications	3		1		3	
VI200031	Big data & Cloud Computing	1	2		2		
VI200032	Praktikum Big data & Cloud Computing	1		1		3	
VI200025	Cross-Cultural Communication	3	2		2		
VI200026	Praktikum Cross-Cultural Communication	3		1		3	