



**FORMULIR RENCANA STUDI**  
**S2 TEKNIK INFORMATIKA DAN KOMPUTER**  
**PROGRAM PASCASARJANA MAGISTER TERAPAN**  
**POLITEKNIK ELEKTRONIKA NEGERI SURABAYA**

Persetujuan Dosen Pembimbing Utama,

Ketua Prodi S2 Teknik Informatika dan Komputer

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

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**Dr.Eng. Bima Sena Bayu Dewantara, S.ST., MT.**

SEMESTER 1							✓
No	No. Kode	Mata Kuliah	Kredit		Jam		
			Teori	Praktek	Teori	Praktek	
1	VI201101	Advanced Mathematics	2		2		
2	VI201102	Signals and Systems	2		2		
3	VI201103	Research Methodology and Scientific Writing	2		2		
4	VI201104	Algorithm & Programming		1		3	
5	VI201301	Proposal Tesis		1		3	
6	VI201201	AI and Pattern Recognition	2		2		
7	VI201202	Praktikum AI and Pattern Recognition		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	VI202101	Standardization and Intellectual Property	2		2		
2	VI202301	Progres Tesis 1		2		6	
3	VI202201	Modelling and Simulation	2		2		
4	VI202202	Praktikum Modelling and Simulation		1		3	
5	VI202203	Network Management and Security	2		2		
6	VI202204	Praktikum Network Management and Security		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	VI203301	Progres Tesis 2		2		6	
2	VI203201	High Performance Computing	2		2		
3	VI203202	Praktikum High Performance Computing		1		3	
4		Mata Kuliah Pilihan 3	2		2		
5		Praktikum Mata Kuliah Pilihan 3		1		3	
6		Mata Kuliah Pilihan 4	2		2		
7		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	VI204301	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	
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	
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	