



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

Nama : _____ Tahun Ajaran : 2015/2016
 NRP : _____ Semester : Genap
 Tahun Masuk : _____ No. Terbit : 03 / 15.02.16

Persetujuan Dosen Pembimbing Utama,

Koordinator Prodi S2 Teknik Informatika dan Komputer
 Riyanto Sigit, S.T., M.Kom., Ph.D.

| SEMESTER 1 | | | | | | | |
|------------|----------|---|--------|----------|----------------------|---------|---|
| No | No. Kode | Mata Kuliah | Kredit | | Jam | | ✓ |
| | | | Teori | Praktek | Teori | Praktek | |
| | | | 1 | VI201101 | Advanced Mathematics | 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 | |
| JUMLAH | | | 10 | 4 | 10 | 12 | |

| SEMESTER 2 | | | | | | | |
|------------|----------|---|--------|----------|---|---------|---|
| No | No. Kode | Mata Kuliah | Kredit | | Jam | | ✓ |
| | | | Teori | Praktek | Teori | Praktek | |
| | | | 1 | VI202101 | Standardization and Intellectual Property | 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 | |
| JUMLAH | | | 8 | 5 | 8 | 15 | |

| SEMESTER 3 | | | | | | | |
|------------|----------|--------------------------------------|--------|----------|-----------------|---------|---|
| No | No. Kode | Mata Kuliah | Kredit | | Jam | | ✓ |
| | | | Teori | Praktek | Teori | Praktek | |
| | | | 1 | VI203301 | Progres Tesis 2 | | |
| 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 | |
| JUMLAH | | | 6 | 5 | 6 | 15 | |

| SEMESTER 4 | | | | | | | |
|------------|----------|-------------|--------|----------|-------------|---------|---|
| No | No. Kode | Mata Kuliah | Kredit | | Jam | | ✓ |
| | | | Teori | Praktek | Teori | Praktek | |
| | | | 1 | VI204301 | Tesis Akhir | | |
| 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 | |
| | | | VI200005 | Knowledge Discovery | 2 | 2 | |
| VI200006 | Praktikum Knowledge Discovery | 2 | | 1 | | 3 | |
| VI200009 | Web Design and Service Engineering | 2 | 2 | | 2 | | |
| VI200010 | Praktikum Web Design and Service Engineering | 2 | | 1 | | 3 | |
| VI200025 | Cross-Cultural Communication | 2 | 2 | | 2 | | |
| VI200026 | Praktikum Cross-Cultural Communication | 2 | | 1 | | 3 | |
| VI200027 | Medical Image Processing | 2 | 2 | | 2 | | |
| VI200028 | Praktikum Medical Image Processing | 2 | | 1 | | 3 | |
| VI200029 | Internet of Things | 2 | 2 | | 2 | | |
| VI200030 | Praktikum Internet of Things | 2 | | 1 | | 3 | |
| VI200031 | Cyber-Physical-Human Systems | 2 | 2 | | 2 | | |
| VI200032 | Praktikum Cyber-Physical-Human Systems | 2 | | 1 | | 3 | |
| VI200033 | Bioinformatics | 2 | 2 | | 2 | | |
| VI200034 | Praktikum Bioinformatics | 2 | | 1 | | 3 | |
| VI200035 | Evolutionary Computing | 2 | 2 | | 2 | | |
| VI200036 | Praktikum Evolutionary Computing | 2 | | 1 | | 3 | |
| 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 | |
| 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 | |
| VE200041 | Medical Instrumentation | 2 | 2 | | 2 | | |
| VE200042 | Praktikum Medical Instrumentation | 2 | | 1 | | 3 | |