TABEL 1. KUMPULAN MATAKULIAH PROGRAM STUDI ILMU KOMPUTER SEMESTER GANJIL TA.2024/2025

|  |  |  |  |
| --- | --- | --- | --- |
| **NO** | **MATA KULIAH** | **SEMESTER** | **NAMA DOSEN** |
| 1. | Pemrograman Web | III | Insan Taufik, S.Kom., M.Kom |
| 2. | Pemrograman Visual dan Piranti Bergerak | V | Insan Taufik, S.Kom., M.Kom |
| 3. | Desain dan Analisis Algoritma | III | Putri Harliana S.T, M.Kom |
| 4. | Metode Numerik | III | Putri Harliana S.T, M.Kom |
| 5. | Kriptografi dan Keamanan Informasi | V | Zulfahmi Indra |
| 6. | Desain dan Analisis Algoritma | III | Zulfahmi Indra |
| 7. | Metode Numerik | III | Ichwanul Muslim Karo-karo |
| 8. | Natural Language Programming | VII | Ichwanul Muslim Karo-karo |
| 9. | Metodologi Penelitian dan Penulisan Karya Ilmiah | V | Adidtya Perdana, ST.,M.Kom |
| 10. | Pemrograman Web | III | Adidtya Perdana, ST.,M.Kom |

**Tabel Simpul dan derajat**

|  |  |  |
| --- | --- | --- |
| **Simpul** | **Tetangga** | **Derajat** |
| 1 | 2, 3, 4, 6, 7, 10 | 6 |
| 2 | 1, 5, 9 | 3 |
| 3 | 1, 4, 6, 7, 10 | 5 |
| 4 | 1, 3, 6, 7, 10 | 5 |
| 5 | 2, 6, 9 | 3 |
| 6 | 1, 3, 4, 7, 10 | 6 |
| 7 | 1, 3, 4, 6, 10 | 6 |
| 8 | 7 | 1 |
| 9 | 2, 5, 10 | 3 |
| 10 | 1, 3, 4, 6, 7 | 5 |

**Tabel hubungan Jumlah Matakuliah per Semester**

|  |  |  |
| --- | --- | --- |
| **SEMESTER** | | |
| **III** | **V** | **VII** |
| **6** | **3** | **1** |

**Urutan derajat simpul**

|  |  |  |
| --- | --- | --- |
| **Simpul** |  | **Warna** |
| **1** | **=>** | **Merah** |
| **6** | **=>** | **Kuning** |
| **7** | **=>** | **Hijau** |
| **3** | **=>** | **Biru** |
| **4** | **=>** | **Ungu** |
| **10** | **=>** | **Orange** |
| **2** | **=>** | **Hijau** |
| **5** | **=>** | **Merah** |
| **9** | **=>** | **Merah** |
| **8** | **=>** | **Merah** |

**Merah {1, 5, 8, 9}**

**Kuning {6}**

**Hijau {2, 7}**

**Biru {3**

**Ungu {4}**

**Orange {10}**

**Semester III**

|  |  |
| --- | --- |
| **1** | **merah** |
| **3** | **biru** |
| **4** | **Ungu** |
| **6** | **kuning** |
| **7** | **Hijau** |
| **10** | **Orange** |

**Semester V**

**2 -Hijau**

**5 -Merah**

**9 -Merah**

**Semester VII**

**8 --> merah**

**Matrikx**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1** | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 |
| **2** | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| **3** | 1 |  |  | 1 |  | 1 | 1 | 0 | 0 | 1 |
| **4** | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| **5** | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| **6** | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 |
| **7** | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| **8** | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| **9** | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| **10** | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 |

**1=bertetangga**

**0= tidak bertetangga**