# RENCANA PEMBELAJARAN SEMESTER

**(MODEL BLENDED LEARNING – TYPE FLIPPED LEARNING)**

**MATA KULIAH : Algoritma dan Pemrograman**

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|  | **PERGURUAN TINGGI**  **FAKULTAS**  **PROGRAM STUDI** | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **NAMA MATA KULIAH** | | **KODE MK** | **RUMPUN MK** | | | | **BOBOT (SKS)** | | | **SEMESTER** | | **TGL PENYUSUNAN** | |
| **Algoritma dan Pemrograman** | | **ifalgo** | **2** | | | | **T=..** | | **P=..** | **2** | | **2025-01-05** | |
| **UPM FAKULTAS** | | **NAMA PENYUSUN RPS** | | | **KOORDINATOR RMK** | | | | | **KA PRODI** | | | |
| undefined | | undefined | | | Jika Ada  Dr. A.S. Rahman | | | | | Prof. Dr. C. Winata | | | |
| **CAPAIAN PEMBELAJARAN**  **(CPL – CPMK – Sub CPMK)** | **CAPAIAN PEMBELAJARAN LULUSAN YANG DIBEBANKAN PADA MK (CPL)** | | | | | | | | | | | | |
|  | S1 | Sikap Profesional | | | | | | | | | | | |
|  | KU1 | Kemampuan Berkomunikasi | | | | | | | | | | | |
|  | KU2 | Keterampilan Kerjasama Tim | | | | | | | | | | | |
|  | KK1 | Keterampilan Pemrograman | | | | | | | | | | | |
|  | **CAPAIN PEMBELAJARAN MATA KULIAH (CPMK)** | | | | | | | | | | | | |
|  | KK1 | Kemampuan Merancang Algoritma | | | | | | | | | | | |
|  | KK2 | Kemampuan Mengimplementasikan Algoritma | | | | | | | | | | | |
|  | P1 | Pengetahuan Dasar Pemrograman | | | | | | | | | | | |
|  | P2 | Pemahaman Struktur Data | | | | | | | | | | | |
|  | **KEMAMPUAN AKHIR TIAP TAHAPAN BELAJAR (Sub-CPMK)** | | | | | | | | | | | | |
|  | KK1 | Mampu membuat algoritma sederhana | | | | | | | | | | | |
|  | KK2 | Mampu memprogram menggunakan salah satu bahasa pemrograman | | | | | | | | | | | |
|  | **KORELASI** | **Sub-CPMK1** | | **Sub-CPMK2** | | **Sub-CPMK3** | | **Sub-CPMK4** | | | **Sub-CPMK5** | | **Sub-CPMK-*n*** |
|  | **CPMK1** |  | |  | |  | |  | | |  | |  |
|  | **CPMK *n*** |  | |  | |  | |  | | |  | |  |
| **DESKRIPSI MATA KULIAH** | Matakuliah ini membahas dasar-dasar algoritma dan pemrograman dengan pendekatan praktis. Mahasiswa akan mempelajari bagaimana merancang algoritma yang efisien dan menerapkannya menggunakan bahasa pemrograman yang sesuai. | | | | | | | | | | | | |
| **BAHAN KAJIAN (TOPIK)** | 1. Konsep Dasar Algoritma  2. Pengantar Pemrograman  3. Struktur Data Sederhana  4. Pengenalan Bahasa Pemrograman | | | | | | | | | | | | |
| **REFERENSI** | 1. …. 2. …. 3. ….   dan seterusnya | | | | | | | | | | | | |
| **NAMA DOSEN** |  | | | | | | | | | | | | |
| **MATA KULIAH PRSYARAT** |  | | | | | | | | | | | | |

## TOPIK 1 / PERTEMUAN 1 \*

| **RANCANGAN PEMBELAJARAN:**  **TOPIK 1 / PERTEMUAN 1 \* coret sesuai pilihan** | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ASPEK** | **ASYNCRONOUS LEARNING** | | | | | | | | | **SYNCRONOUS LEARNING** | | |
| **SUB-CPMK** | undefined | | | | | | | | | | | |
| **INDIKATOR** |  | | | | | | | | | | | |
| **TOPIK MATERI** |  | | | | | | | | | | | |
| **MEDIA PEMBELAJARAN** | URL SPADA | …… | | | | | | | |  | | |
| Fitur LMS | Page | |  | Lesson | |  | Slide |  |
| URL | |  | Forum | |  | Quiz |  |
| Dok | |  | Tugas | |  | Meeting |  |
| Video | |  | Survei | |  | Lainnya |  |
| Media Lain |  | | | | | | | |
| **METODE PEMBELAJARAN** | **Skenario & Fitur LMS (Mandiri/Kolaborasi)** | | | | | | | | | **Skenario (Tatap Muka/Maya)** | | |
| Sesuaikan skenario (misal case methode) dengan fitur LMS (learning object) | | | | | | | | | Mahasiswa unjuk kinerja | | |
| **BEBAN WAKTU PEMBELAJARAN** | * **Belajar Mandiri**: 2 x 60 menit * **Tugas Terstruktur**: 2 x 60 menit | | | | | | | | | * **Tatap Muka**: 2 x 50 menit | | |
| **PENGALAMAN BELAJAR** |  | | | | | | | | |  | | |
| **ASESSMENT PEMBELAJARAN** | **Fitur LMS** | | **Instrument** | | | **Bobot** | | | | **Jenis** | **Instrument** | **Bobot** |
|  | |  | | |  | | | |  |  |  |

# RENCANA TUGAS 1

|  | **PERGURUAN TINGGI**  **FAKULTAS**  **PROGRAM STUDI** | | | |
| --- | --- | --- | --- | --- |
| **RENCANA TUGAS MAHASISWA** | | | | |
| **IDENTITAS MATA KULIAH** | **Nama MK** | **Kode** | **Semester** | **SKS** |
|  |  |  |  |
| **DESAIN TUGAS** | **Bentuk Tugas** | | **Waktu Pengerjaan Tugas** | |
|  | |  | |
| **JUDUL TUGAS** |  | | | |
| URL Tugas di LMS: | | | |
| **Sub-CPMK** |  | | | |
| **DESKRIPSI** |  | | | |
| **METODE PENGERJAAN TUGAS** |  | | | |
| **OBJEK TUGAS** |  | | | |
| **OUTPUT TUGAS** |  | | | |
| **PENILAIAN** | **Kriteria & Indikator** | | **Teknik Penilaian** | **Bobot (%)** |
|  | |  |  |
| Keterangan: Tugas ini secara keseluruhan memiliki bobot 50% dari penilaian mata kuliah ini | | | |
| **JADWAL** | **Tahapan** | | **Waktu** | |
|  | |  | |
| **LAIN-LAIN** |  | | | |
| **DAFTAR RUJUKAN** |  | | | |

# PENILAIAN DAN KETERCAPAIAN CPL

| **TOPIK** | **MINGGU** | **CPL** | **CPMK** | **Sub-CPMK** | **ASSESSMEN** | **BOBOT (%)** |
| --- | --- | --- | --- | --- | --- | --- |
| I | 1 |  |  |  |  |  |
| II | 2 – 4 |  |  |  |  |  |
| III | 5 – 6 |  |  |  |  |  |
| IV | 7 – 8 |  |  |  |  |  |
| V | 9 – 11 |  |  |  |  |  |
| VI | 12 – 13 |  |  |  |  |  |
| VII | 14 – 16 |  |  |  |  |  |

# PENILAIAN DAN SKALA PENILAIAN

| **PENILAIAN** | | | **SKALA PENILAIAN** | |
| --- | --- | --- | --- | --- |
| **ASPEK** | **JENIS** | **PROPORSI (%)** | **INTERVAL** | **HURUF** |
| Absensi | - | 5 | 80 – 100 | A |
| Activity completion | - | 10 | 65 – < 80 | B |
| Formatif Asesmen | Quiz | 5 | 50 – <65 | C |
| Tugas 1 | 5 | 40 – <50 | D |
| Tugas lainnya | 5 | 0 – <40 | E |
| Sumatif Asesmen | Tugas proyek | 40 |  | |
| UTS | 15 |
| UAS | 15 |
| **Total** | | **100** |  | |

Penelaah Penyusun RPS

Penjamin Mutu Program Studi Koordinator Mata Kuliah

undefined undefined

NIDN. NIDN.

Disahkan oleh:

Ketua Program Studi

Prof. Dr. C. Winata

NIDN.