# RENCANA PEMBELAJARAN SEMESTER

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

**MATA KULIAH : Algoritma dan Pemrograman**

# DAFTAR ISI

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[2. TOPIK 2 / PERTEMUAN 2 5](#_Toc143658606)

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|  | **PERGURUAN TINGGI**  **FAKULTAS**  **PROGRAM STUDI** | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **NAMA MATA KULIAH** | | **KODE MK** | **RUMPUN MK** | | | | **BOBOT (SKS)** | | | **SEMESTER** | | **TGL PENYUSUNAN** | |
| **Algoritma dan Pemrograman** | | **test** | **Informatika** | | | | **T=..** | | **P=..** | **2** | | **2025-01-05** | |
| **UPM FAKULTAS** | | **NAMA PENYUSUN RPS** | | | **KOORDINATOR RMK** | | | | | **KA PRODI** | | | |
| undefined | | undefined | | | Jika Ada  Jane | | | | | Prof. | | | |
| **CAPAIAN PEMBELAJARAN**  **(CPL – CPMK – Sub CPMK)** | **CAPAIAN PEMBELAJARAN LULUSAN YANG DIBEBANKAN PADA MK (CPL)** | | | | | | | | | | | | |
|  | CPL1 | Menunjukkan sikap profesional dalam bidang keilmuan. | | | | | | | | | | | |
|  | CPL2 | Mampu memahami prinsip dasar algoritma dan pemrograman. | | | | | | | | | | | |
|  | CPL3 | Mampu menyelesaikan masalah secara mandiri dan kolaboratif. | | | | | | | | | | | |
|  | **CAPAIN PEMBELAJARAN MATA KULIAH (CPMK)** | | | | | | | | | | | | |
|  | CPMK1 | Memahami konsep dasar algoritma dan pemrograman. | | | | | | | | | | | |
|  | CPMK2 | Mengimplementasikan algoritma dalam bahasa pemrograman. | | | | | | | | | | | |
|  | CPMK3 | Menyelesaikan proyek pemrograman kelompok. | | | | | | | | | | | |
|  | **KEMAMPUAN AKHIR TIAP TAHAPAN BELAJAR (Sub-CPMK)** | | | | | | | | | | | | |
|  | **KORELASI** | **Sub-CPMK1** | | **Sub-CPMK2** | | **Sub-CPMK3** | | **Sub-CPMK4** | | | **Sub-CPMK5** | | **Sub-CPMK-*n*** |
|  | **CPMK1** |  | |  | |  | |  | | |  | |  |
|  | **CPMK *n*** |  | |  | |  | |  | | |  | |  |
| **DESKRIPSI MATA KULIAH** | Mata kuliah Algoritma dan Pemrograman memfokuskan pada konsep dan teknik dasar dalam pemrograman komputer, termasuk pengenalan algoritma, struktur data, dan penggunaan bahasa pemrograman. Mahasiswa akan belajar untuk menganalisis masalah, merancang solusi dalam bentuk algoritma, serta mengimplementasikan solusi tersebut ke dalam kode program. | | | | | | | | | | | | |
| **BAHAN KAJIAN (TOPIK)** | 1. Pengantar Algoritma  2. Struktur Data Dasar  3. Pseudocode  4. Pemrograman Dasar  5. Pemrograman Berorientasi Objek | | | | | | | | | | | | |
| **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.

NIDN.