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|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------|-------|-----------|---------------------------|----------------|------|-------|-------|-------|-------|-------|--------|----|------|-----------|--|--|--------|--|--|---|--|--|--------|--|--|--|--|---|--------|---|---|---|---|---|--------|---|---|---|----|----|----|----|----|----|----|--------|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------|--|--|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|---|---|---|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|--|--|--|--|---|---|---|--|--|--|--|--|--------|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|--|
| MATA KULIAH (MK)                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | KODE                                                                                                                                                                                                                                                                                                                                           | Rumpun MK                         | BOBOT (sks)     |       |           | SEMESTER                  | Tgl Penyusunan |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| Inovasi Produk Perangkat Lunak                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5510003029                                                                                                                                                                                                                                                                                                                                     | Mata Kuliah Pilihan Program Studi | T=3             | P=0   | ECTS=6.72 | 3                         | 21 April 2025  |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| OTORISASI                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Pengembang RPS                                                                                                                                                                                                                                                                                                                                 |                                   | Koordinator RMK |       |           | Koordinator Program Studi |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ricky Eka Putra                                                                                                                                                                                                                                                                                                                                |                                   | Ricky Eka Putra |       |           | RICKY EKA PUTRA           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| Model Pembelajaran                                               | Project Based Learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| Capaian Pembelajaran (CP)                                        | CPL-PRODI yang dibebankan pada MK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
|                                                                  | CPL-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Menguasai dan mengaplikasikan teori-teori, konsep, prinsip, dan teknologi terkini dalam bidang Teknik Informatika, termasuk Data Sains, Kecerdasan Artifisial, Jaringan Cerdas, Rekayasa Perangkat Lunak, serta Sistem dan Teknologi Informasi untuk mengembangkan ilmu pengetahuan dan teknologi melalui riset dan penciptaan karya inovatif. |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
|                                                                  | CPL-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Merencanakan, mengelola, dan mengontrol proyek-proyek di bidang Teknik Informatika, memastikan keberhasilan dalam pelaksanaan dan pencapaian tujuan proyek.                                                                                                                                                                                    |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
|                                                                  | CPL-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Menganalisis kebutuhan dan menyelesaikan masalah yang kompleks dalam berbagai bidang Teknik Informatika, menggunakan metode analitis dan pendekatan ilmiah.                                                                                                                                                                                    |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
|                                                                  | CPL-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Mengevaluasi kinerja sistem dan teknologi informasi serta mengimplementasikan perbaikan berkelanjutan berdasarkan data dan analisis.                                                                                                                                                                                                           |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
|                                                                  | CPL-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Mengembangkan solusi inovatif untuk meningkatkan efisiensi dan efektivitas organisasi dengan memanfaatkan teknologi informasi terbaru.                                                                                                                                                                                                         |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
|                                                                  | Capaian Pembelajaran Mata Kuliah (CPMK)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
|                                                                  | CPMK - 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Mahasiswa mampu menguasai konsep dasar inovasi dalam pengembangan perangkat lunak dan memahami siklus inovasi teknologi.                                                                                                                                                                                                                       |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
|                                                                  | CPMK - 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Mahasiswa mampu menganalisis kebutuhan pengguna dan merumuskan strategi pengembangan produk perangkat lunak yang relevan dan berkelanjutan.                                                                                                                                                                                                    |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
|                                                                  | CPMK - 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Mahasiswa mampu merancang prototipe produk perangkat lunak inovatif berdasarkan tren teknologi terkini dan kebutuhan pasar.                                                                                                                                                                                                                    |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| CPMK - 4                                                         | Mahasiswa mampu menerapkan metode evaluasi produk perangkat lunak dan menyusun rencana peningkatan produk berdasarkan hasil umpan balik.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| CPMK - 5                                                         | Mahasiswa mampu mengelola pengembangan produk perangkat lunak secara kolaboratif dan profesional sesuai prinsip manajemen proyek inovatif.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| Matrik CPL - CPMK                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
|                                                                  | <table><tr><td>CPMK</td><td>CPL-5</td><td>CPL-6</td><td>CPL-7</td><td>CPL-8</td><td>CPL-9</td></tr><tr><td>CPMK-1</td><td>✓</td><td></td><td></td><td></td><td></td></tr><tr><td>CPMK-2</td><td></td><td></td><td>✓</td><td></td><td></td></tr><tr><td>CPMK-3</td><td></td><td></td><td></td><td></td><td>✓</td></tr><tr><td>CPMK-4</td><td></td><td></td><td></td><td>✓</td><td></td></tr><tr><td>CPMK-5</td><td></td><td>✓</td><td></td><td></td><td></td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                |                                   |                 |       |           |                           |                | CPMK | CPL-5 | CPL-6 | CPL-7 | CPL-8 | CPL-9 | CPMK-1 | ✓  |      |           |  |  | CPMK-2 |  |  | ✓ |  |  | CPMK-3 |  |  |  |  | ✓ | CPMK-4 |   |   |   | ✓ |   | CPMK-5 |   | ✓ |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| CPMK                                                             | CPL-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CPL-6                                                                                                                                                                                                                                                                                                                                          | CPL-7                             | CPL-8           | CPL-9 |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| CPMK-1                                                           | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| CPMK-2                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                | ✓                                 |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| CPMK-3                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                |                                   |                 | ✓     |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| CPMK-4                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                |                                   | ✓               |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| CPMK-5                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ✓                                                                                                                                                                                                                                                                                                                                              |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| Matrik CPMK pada Kemampuan akhir tiap tahapan belajar (Sub-CPMK) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
|                                                                  | <table><tr><td rowspan="2">CPMK</td><td colspan="16">Minggu Ke</td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr><tr><td>CPMK-1</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>CPMK-2</td><td></td><td></td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>CPMK-3</td><td></td><td></td><td></td><td></td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>CPMK-4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>CPMK-5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td></tr></table> |                                                                                                                                                                                                                                                                                                                                                |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    | CPMK | Minggu Ke |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        | 1 | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | CPMK-1 | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CPMK-2 |  |  | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  | CPMK-3 |  |  |  |  | ✓ | ✓ | ✓ |  |  |  |  |  |  |  |  |  | CPMK-4 |  |  |  |  |  |  |  |  | ✓ | ✓ | ✓ |  |  |  |  |  | CPMK-5 |  |  |  |  |  |  |  |  |  |  |  | ✓ | ✓ | ✓ | ✓ |  |
| CPMK                                                             | Minggu Ke                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
|                                                                  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2                                                                                                                                                                                                                                                                                                                                              | 3                                 | 4               | 5     | 6         | 7                         | 8              | 9    | 10    | 11    | 12    | 13    | 14    | 15     | 16 |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| CPMK-1                                                           | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ✓                                                                                                                                                                                                                                                                                                                                              |                                   |                 |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| CPMK-2                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                | ✓                                 | ✓               |       |           |                           |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| CPMK-3                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                |                                   |                 | ✓     | ✓         | ✓                         |                |      |       |       |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| CPMK-4                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                |                                   |                 |       |           |                           |                | ✓    | ✓     | ✓     |       |       |       |        |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |
| CPMK-5                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                |                                   |                 |       |           |                           |                |      |       |       | ✓     | ✓     | ✓     | ✓      |    |      |           |  |  |        |  |  |   |  |  |        |  |  |  |  |   |        |   |   |   |   |   |        |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |  |

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|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Deskripsi Singkat MK | Mata kuliah Inovasi Produk Perangkat Lunak pada jenjang S2 program studi Informatika bertujuan untuk membekali mahasiswa dengan pemahaman konseptual dan keterampilan praktis dalam menciptakan solusi perangkat lunak yang inovatif dan bernilai tambah. Mahasiswa akan mempelajari metodologi inovasi, strategi pengembangan produk, serta integrasi teknologi mutakhir dalam proses penciptaan perangkat lunak. Ruang lingkup mata kuliah mencakup analisis kebutuhan pengguna, studi kasus pengembangan produk inovatif, eksplorasi tren teknologi terkini, serta identifikasi faktor keberhasilan dan tantangan dalam inovasi produk perangkat lunak. Dengan pendekatan berbasis proyek, mahasiswa diharapkan mampu menghasilkan rancangan produk perangkat lunak yang orisinal, relevan, dan berdaya saing tinggi sesuai dengan kebutuhan industri dan masyarakat. |                                     |                                                                                                                                                              |                                                                                  |                                              |                                                                                                                                                                                                                                                                                                                                                                                                              |                     |
| Pustaka              | Utama :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |                                                                                                                                                              |                                                                                  |                                              |                                                                                                                                                                                                                                                                                                                                                                                                              |                     |
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|                      | Pendukung :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                              |                                                                                  |                                              |                                                                                                                                                                                                                                                                                                                                                                                                              |                     |
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| Dosen Pengampu       | Prof. Dr. I Gusti Putu Asto Buditjahjanto, S.T., M.T.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                     |                                                                                                                                                              |                                                                                  |                                              |                                                                                                                                                                                                                                                                                                                                                                                                              |                     |
| Mg Ke-               | Kemampuan akhir tiap tahapan belajar (Sub-CPMK)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Penilaian                           |                                                                                                                                                              | Bantuk Pembelajaran, Metode Pembelajaran, Penugasan Mahasiswa, [ Estimasi Waktu] |                                              | Materi Pembelajaran [ Pustaka ]                                                                                                                                                                                                                                                                                                                                                                              | Bobot Penilaian (%) |
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Indikator                           | Kriteria & Bentuk                                                                                                                                            | Luring (offline)                                                                 | Daring (online)                              |                                                                                                                                                                                                                                                                                                                                                                                                              |                     |
| (1)                  | (2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (3)                                 | (4)                                                                                                                                                          | (5)                                                                              | (6)                                          | (7)                                                                                                                                                                                                                                                                                                                                                                                                          | (8)                 |
| 1                    | Menjelaskan konsep dasar inovasi dan siklus hidup produk perangkat lunak                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pemahaman konsep inovasi dan siklus | <b>Kriteria:</b><br>Ketepatan dan kelengkapan penjelasan<br><br><b>Bentuk Penilaian :</b><br>Aktifitas Partisipasif                                          | Ceramah dan Diskusi<br>2 x 50                                                    | Video Conference dan Forum Diskusi<br>1 x 50 | <b>Materi:</b> The Dynamics of Technological Innovation<br><b>Pustaka:</b><br><i>Schilling, M. A. (2020). Strategic Management of Technological Innovation (6th ed.). McGraw-Hill.</i><br>-----<br><b>Materi:</b> Elements of Diffusion<br><b>Pustaka:</b><br><i>Rogers, E. M. (2003). Diffusion of Innovations (5th ed.). Free Press.</i>                                                                   | 5%                  |
| 2                    | Mengidentifikasi faktor pendorong dan penghambat inovasi perangkat lunak                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Analisis pendekatan inovasi         | <b>Kriteria:</b><br>Relevansi analisis terhadap kasus<br><br><b>Bentuk Penilaian :</b><br>Aktifitas Partisipasif, Penilaian Hasil Project / Penilaian Produk | Diskusi dan Studi Kasus<br>2 x 50                                                | Forum Diskusi dan Video Materi<br>1 x 50     | <b>Materi:</b> Types and Patterns of Innovation<br><b>Pustaka:</b><br><i>Schilling, M. A. (2020). Strategic Management of Technological Innovation (6th ed.). McGraw-Hill.</i><br>-----<br><b>Materi:</b> Innovation and Change<br><b>Pustaka:</b> <i>Tidd, J., Bessant, J., &amp; Pavitt, K. (2018). Managing Innovation: Integrating Technological, Market and Organizational Change (6th ed.). Wiley.</i> | 5%                  |

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| 3 | Menganalisis kebutuhan pengguna dalam konteks pengembangan produk perangkat lunak      | Kemampuan menjelaskan metode        | <b>Kriteria:</b><br>Kelengkapan dan logika argumen<br><br><b>Bentuk Penilaian :</b><br>Aktifitas Partisipatif, Penilaian Hasil Project / Penilaian Produk | Diskusi Studi Kasus dan Simulasi<br>2 x 50 | Forum Diskusi dan Video Pembelajaran<br>1 x 50 | <b>Materi:</b><br>Understanding Customer Need<br><b>Pustaka:</b><br>Cooper, R. G. (2019). <i>Winning at New Products: Creating Value Through Innovation</i> (4th ed.). Basic Books.<br><br><b>Materi:</b> Search Strategies<br><b>Pustaka:</b> Tidd, J., Bessant, J., & Pavitt, K. (2018). <i>Managing Innovation: Integrating Technological, Market and Organizational Change</i> (6th ed.). Wiley.                   | 5% |
| 4 | Menyusun strategi pengembangan inovatif perangkat lunak berdasarkan kebutuhan pengguna | Relevansi strategi dengan kebutuhan | <b>Kriteria:</b><br>Ketepatan pendekatan inovatif<br><br><b>Bentuk Penilaian :</b><br>Aktifitas Partisipatif, Penilaian Hasil Project / Penilaian Produk  | Diskusi Tim dan Brainstorming<br>2 x 50    | Kolaborasi Daring dan Forum Grup<br>1 x 50     | <b>Materi:</b><br>Defining the Organization's Strategic Direction<br><b>Pustaka:</b><br>Schilling, M. A. (2020). <i>Strategic Management of Technological Innovation</i> (6th ed.). McGraw-Hill.<br><br><b>Materi:</b><br>Strategic Selection<br><b>Pustaka:</b> Tidd, J., Bessant, J., & Pavitt, K. (2018). <i>Managing Innovation: Integrating Technological, Market and Organizational Change</i> (6th ed.). Wiley. | 5% |

|   |                                                                      |                            |                                                                                                                                                        |                                          |                                               |                                                                                                                                                                                                                                                                                                                                                                                                     |    |
|---|----------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 5 | Mengkaji tren teknologi dan inovasi dalam perangkat lunak            | Relevansi tren yang dikaji | <b>Kriteria:</b><br>Ketepatan penarikan insight<br><br><b>Bentuk Penilaian :</b><br>Aktifitas Partisipatif, Penilaian Hasil Project / Penilaian Produk | Presentasi dan Studi Literatur<br>2 x 50 | Diskusi Forum dan Eksplorasi Daring<br>1 x 50 | <b>Materi:</b><br>Implementation Strategies<br><b>Pustaka:</b> Tidd, J., Bessant, J., & Pavitt, K. (2018). <i>Managing Innovation: Integrating Technological, Market and Organizational Change</i> (6th ed.). Wiley.<br><b>Materi:</b><br>Managing Innovation Teams<br><b>Pustaka:</b> Schilling, M. A. (2020). <i>Strategic Management of Technological Innovation</i> (6th ed.). McGraw-Hill.     | 5% |
| 6 | Mendesain ide inovasi produk perangkat lunak berbasis tren teknologi | Keunikan dan kelayakan ide | <b>Kriteria:</b><br>Kreativitas dan kelengkapan prototipe<br><br><b>Bentuk Penilaian :</b><br>Penilaian Hasil Project / Penilaian Produk               | Workshop Desain dan Simulasi<br>2 x 50   | Tools Kolaboratif dan Studi Video<br>1 x 50   | <b>Materi:</b><br>Concept Development<br><b>Pustaka:</b> Cooper, R. G. (2019). <i>Winning at New Products: Creating Value Through Innovation</i> (4th ed.). Basic Books.<br><b>Materi:</b><br>Building the Innovation Case<br><b>Pustaka:</b> Tidd, J., Bessant, J., & Pavitt, K. (2018). <i>Managing Innovation: Integrating Technological, Market and Organizational Change</i> (6th ed.). Wiley. | 5% |

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|---|-----------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 7 | Menyusun prototipe awal produk inovatif | Kelengkapan dan fungsionalitas prototipe | <b>Kriteria:</b><br>Ketepatan fitur terhadap ide awal<br><br><b>Bentuk Penilaian :</b><br>Penilaian Hasil Project / Penilaian Produk | Diskusi Tim<br>2 x 50 | Demo Aplikasi Daring<br>1 x 50 | <b>Materi:</b> Design Concepts<br><b>Pustaka:</b><br><i>Pressman, R. S. (2014). Software Engineering: A Practitioner's Approach (8th ed.). McGraw-Hill.</i><br><hr/> <b>Materi:</b><br>Developing New Products<br><b>Pustaka:</b> <i>Tidd, J., Bessant, J., &amp; Pavitt, K. (2018). Managing Innovation: Integrating Technological, Market and Organizational Change (6th ed.). Wiley.</i> | 5% |
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|---|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 8 | Mampu menjelaskan dengan lebih baik materi-materi dari minggu ke-1 s.d. ke-7 | 1.Menerapkan konsep yang telah dipelajari<br>2.Mengalisis dan memecahkan masalah<br>3.Menjawab soal esai dan studi kasus | <b>Kriteria:</b><br>1.Kedalaman jawaban<br>2.Kejelasan analisis<br>3.Ketepatan solusi<br><br><b>Bentuk Penilaian :</b><br>Tes | Menyelesaikan soal ujian Sub-Sumatif<br>3 x 50 |  | <b>Materi:</b> Materi-materi dari minggu ke-1 s.d. ke-7<br><b>Pustaka:</b> <i>Tidd, J., Bessant, J., &amp; Pavitt, K. (2018). Managing Innovation: Integrating Technological, Market and Organizational Change (6th ed.). Wiley.</i><br><br><b>Materi:</b> Materi-materi dari minggu ke-1 s.d. ke-7<br><b>Pustaka:</b> <i>Schilling, M. A. (2020). Strategic Management of Technological Innovation (6th ed.). McGraw-Hill.</i><br><br><b>Materi:</b> Materi-materi dari minggu ke-1 s.d. ke-7<br><b>Pustaka:</b> <i>Pressman, R. S. (2014). Software Engineering: A Practitioner's Approach (8th ed.). McGraw-Hill.</i><br><br><b>Materi:</b> Materi-materi dari minggu ke-1 s.d. ke-7<br><b>Pustaka:</b> <i>Cooper, R. G. (2019). Winning at New Products: Creating Value Through Innovation (4th ed.). Basic Books.</i><br><br><b>Materi:</b> Materi-materi dari minggu ke-1 s.d. ke-7<br><b>Pustaka:</b> <i>Rogers, E. M. (2003). Diffusion of Innovations (5th ed.). Free Press.</i> | 15% |
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|----|---------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 9  | Menjelaskan konsep evaluasi produk perangkat lunak                        | Argumentasi studi kasus        | <b>Kriteria:</b><br>Ketepatan penjelasan indikator<br><br><b>Bentuk Penilaian :</b><br>Penilaian Hasil Project / Penilaian Produk                         | Kuliah Interaktif, Diskusi, dan Analisis Kasus<br>2 x 50 | Forum Diskusi<br>1 x 50                        | <b>Materi:</b><br>Learning and Improving<br><b>Pustaka:</b> <i>Tidd, J., Bessant, J., &amp; Pavitt, K. (2018). Managing Innovation: Integrating Technological, Market and Organizational Change (6th ed.). Wiley.</i> | 5% |
| 10 | Menerapkan teknik evaluasi usability dan performa produk                  | Ketepatan metode evaluasi      | <b>Kriteria:</b><br>Kejelasan dokumentasi hasil<br><br><b>Bentuk Penilaian :</b><br>Penilaian Hasil Project / Penilaian Produk                            | Simulasi dan Evaluasi Pengguna<br>2 x 50                 | Tool Evaluasi Daring<br>1 x 50                 | <b>Materi:</b> Testing and Validation<br><b>Pustaka:</b> <i>Cooper, R. G. (2019). Winning at New Products: Creating Value Through Innovation (4th ed.). Basic Books.</i>                                              | 5% |
| 11 | Mengembangkan rencana peningkatan produk berdasarkan umpan balik pengguna | Ketepatan analisis umpan balik | <b>Kriteria:</b><br>Kelayakan rencana peningkatan<br><br><b>Bentuk Penilaian :</b><br>Penilaian Hasil Project / Penilaian Produk                          | Diskusi Tim dan Revisi Desain<br>2 x 50                  | Kolaborasi Dokumen Daring<br>1 x 50            | <b>Materi:</b> Metrics and Feedback<br><b>Pustaka:</b> <i>Tidd, J., Bessant, J., &amp; Pavitt, K. (2018). Managing Innovation: Integrating Technological, Market and Organizational Change (6th ed.). Wiley.</i>      | 5% |
| 12 | Menerapkan manajemen proyek inovatif dalam pengembangan perangkat lunak   | Rencana peluncuran             | <b>Kriteria:</b><br>Efektivitas pembagian tugas<br><br><b>Bentuk Penilaian :</b><br>Penilaian Hasil Project / Penilaian Produk                            | Simulasi Proyek dan Diskusi Kelompok<br>2 x 50           | Tools Manajemen dan Penugasan Daring<br>1 x 50 | <b>Materi:</b> Project Management Concepts<br><b>Pustaka:</b> <i>Pressman, R. S. (2014). Software Engineering: A Practitioner's Approach (8th ed.). McGraw-Hill.</i>                                                  | 5% |
| 13 | Menyusun timeline, milestone, dan dokumentasi proyek                      | Kelengkapan dokumen proyek     | <b>Kriteria:</b><br>Kesesuaian rencana dan kebutuhan<br><br><b>Bentuk Penilaian :</b><br>Penilaian Hasil Project / Penilaian Produk, Penilaian Portofolio | Simulasi proyek<br>2 x 50                                | Review dokumen proyek<br>1 x 50                | <b>Materi:</b> Process and Project Metrics<br><b>Pustaka:</b> <i>Pressman, R. S. (2014). Software Engineering: A Practitioner's Approach (8th ed.). McGraw-Hill.</i>                                                  | 5% |

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|----|-----------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 14 | Presentasi hasil pengembangan produk inovatif | Kejelasan, struktur, dan visual | <p><b>Kriteria:</b><br/>Inovasi, kelengkapan, dan argumentasi</p> <p><b>Bentuk Penilaian :</b><br/>Penilaian Hasil Project / Penilaian Produk</p> | Presentasi Individu/Kelompok<br>2 x 50 | Video Presentasi<br>1 x 50 | <p><b>Materi:</b><br/>Presentasi hasil pengembangan produk inovatif<br/><b>Pustaka:</b> <i>Tidd, J., Bessant, J., &amp; Pavitt, K. (2018). Managing Innovation: Integrating Technological, Market and Organizational Change (6th ed.). Wiley.</i></p> <p><b>Materi:</b><br/>Presentasi hasil pengembangan produk inovatif<br/><b>Pustaka:</b> <i>Schilling, M. A. (2020). Strategic Management of Technological Innovation (6th ed.). McGraw-Hill.</i></p> <p><b>Materi:</b><br/>Presentasi hasil pengembangan produk inovatif<br/><b>Pustaka:</b> <i>Pressman, R. S. (2014). Software Engineering: A Practitioner's Approach (8th ed.). McGraw-Hill.</i></p> <p><b>Materi:</b><br/>Presentasi hasil pengembangan produk inovatif<br/><b>Pustaka:</b> <i>Cooper, R. G. (2019). Winning at New Products: Creating Value Through Innovation (4th ed.). Basic Books.</i></p> <p><b>Materi:</b><br/>Presentasi hasil pengembangan produk inovatif<br/><b>Pustaka:</b> <i>Rogers, E. M. (2003). Diffusion of Innovations (5th ed.). Free Press.</i></p> | 5% |
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|----|-------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 15 | Refleksi proses inovasi dan pengembangan produk | Kedalaman analisis reflektif | <b>Kriteria:</b><br>Relevansi dan orisinalitas ide<br><br><b>Bentuk Penilaian :</b><br>Penilaian Hasil Project / Penilaian Produk, Penilaian Portofolio | Diskusi Reflektif<br>2 x 50 | Forum Refleksi<br>1 x 50 | <b>Materi:</b><br>Leadership for Innovation<br><b>Pustaka:</b> <i>Tidd, J., Bessant, J., &amp; Pavitt, K. (2018). Managing Innovation: Integrating Technological, Market and Organizational Change (6th ed.). Wiley.</i> | 5% |
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|    |                                                                               |                                                                                                        |                                                                                                             |                                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |
|----|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 16 | Mampu menjelaskan dengan lebih baik materi-materi dari minggu ke-9 s.d. ke-15 | Mengintegrasikan seluruh materi Inovasi Produk Perangkat Lunak yang telah dipelajari dalam mata kuliah | <b>Kriteria:</b><br>Kemampuan menyelesaikan soal terkait semua CPMK<br><br><b>Bentuk Penilaian :</b><br>Tes | Menyelesaikan soal Ujian Sumatif 3 x 50 |  | <b>Materi:</b> Materi-materi dari minggu ke-9 s.d. ke-15<br><b>Pustaka:</b> <i>Tidd, J., Bessant, J., &amp; Pavitt, K. (2018). Managing Innovation: Integrating Technological, Market and Organizational Change (6th ed.). Wiley.</i><br><b>Materi:</b> Materi-materi dari minggu ke-9 s.d. ke-15<br><b>Pustaka:</b> <i>Schilling, M. A. (2020). Strategic Management of Technological Innovation (6th ed.). McGraw-Hill.</i><br><b>Materi:</b> Materi-materi dari minggu ke-9 s.d. ke-15<br><b>Pustaka:</b> <i>Pressman, R. S. (2014). Software Engineering: A Practitioner's Approach (8th ed.). McGraw-Hill.</i><br><b>Materi:</b> Materi-materi dari minggu ke-9 s.d. ke-15<br><b>Pustaka:</b> <i>Cooper, R. G. (2019). Winning at New Products: Creating Value Through Innovation (4th ed.). Basic Books.</i><br><b>Materi:</b> Materi-materi dari minggu ke-9 s.d. ke-15<br><b>Pustaka:</b> <i>Rogers, E. M. (2003). Diffusion of Innovations (5th ed.). Free Press.</i> | 15% |
|----|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|

#### Rekap Persentase Evaluasi : Project Based Learning

| No | Evaluasi                                   | Persentase |
|----|--------------------------------------------|------------|
| 1. | Aktifitas Partisipatif                     | 15%        |
| 2. | Penilaian Hasil Project / Penilaian Produk | 50%        |
| 3. | Penilaian Portofolio                       | 5%         |
| 4. | Tes                                        | 30%        |
|    |                                            | 100%       |

#### Catatan

1. **Capaian Pembelajaran Lulusan Prodi (CPL - Prodi)** adalah kemampuan yang dimiliki oleh setiap lulusan prodi yang merupakan internalisasi dari sikap, penguasaan pengetahuan dan ketrampilan sesuai dengan jenjang prodinya yang diperoleh melalui proses pembelajaran.
2. **CPL yang dibebankan pada mata kuliah** adalah beberapa capaian pembelajaran lulusan program studi (CPL-Prodi) yang digunakan untuk pembentukan/pengembangan sebuah mata kuliah yang terdiri dari aspek sikap, ketrampilan umum, ketrampilan khusus dan pengetahuan.
3. **CP Mata kuliah (CPMK)** adalah kemampuan yang dijabarkan secara spesifik dari CPL yang dibebankan pada mata kuliah, dan bersifat spesifik terhadap bahan kajian atau materi pembelajaran mata kuliah tersebut.
4. **Sub-CPMK Mata kuliah (Sub-CPMK)** adalah kemampuan yang dijabarkan secara spesifik dari CPMK yang dapat diukur atau diamati dan merupakan kemampuan akhir yang direncanakan pada tiap tahap pembelajaran, dan bersifat spesifik terhadap materi pembelajaran mata kuliah tersebut.
5. **Indikator penilaian** kemampuan dalam proses maupun hasil belajar mahasiswa adalah pernyataan spesifik dan terukur yang mengidentifikasi kemampuan atau kinerja hasil belajar mahasiswa yang disertai bukti-bukti.
6. **Kreteria Penilaian** adalah patokan yang digunakan sebagai ukuran atau tolok ukur ketercapaian pembelajaran dalam penilaian berdasarkan indikator-indikator yang telah ditetapkan. Kreteria penilaian merupakan pedoman bagi penilai agar penilaian konsisten dan tidak bias. Kreteria dapat berupa kuantitatif ataupun kualitatif.
7. **Bentuk penilaian:** tes dan non-tes.
8. **Bentuk pembelajaran:** Kuliah, Responsi, Tutorial, Seminar atau yang setara, Praktikum, Praktik Studio, Praktik Bengkel, Praktik Lapangan, Penelitian, Pengabdian Kepada Masyarakat dan/atau bentuk pembelajaran lain yang setara.
9. **Metode Pembelajaran:** Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, dan metode lainnya yg setara.
10. **Materi Pembelajaran** adalah rincian atau uraian dari bahan kajian yg dapat disajikan dalam bentuk beberapa pokok dan sub-pokok bahasan.
11. **Bobot penilaian** adalah prosentasi penilaian terhadap setiap pencapaian sub-CPMK yang besarnya proposional dengan tingkat kesulitan pencapaian sub-CPMK tsb., dan totalnya 100%.
12. TM=Tatap Muka, PT=Penugasan terstruktur, BM=Belajar mandiri.

RPS ini telah divalidasi pada tanggal 23 April 2025

Koordinator Program Studi S2  
Informatika



RICKY EKA PUTRA  
NIDN 0716018704

UPM Program Studi S2  
Informatika



NIDN 0024118405



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