

RENCANA PEMBELAJARAN SEMESTER ENTERPRISE RESOURCE PLANNING



Disusun Oleh :

SEKOLAH TINGGI MANAJEMEN INFORMATIKA DAN KOMPUTER ROSMA

PROGRAM STUDI SISTEM INFORMASI

2020

**DIAGRAM ANALISIS HASIL PEMBELAJARAN MATAKULIAH ENTERPRISE
RESOURCE PLANNING**



**SEKOLAH TINGGI MANAJEMEN INFORMATIKA DAN KOMPUTER ROSMA
PROGRAM STUDI SISTEM INFORMASI**

RENCANA PEMBELAJARAN SEMESTER

| MATA KULIAH | KODE | Rumpun Mata Kuliah | BOBOT(sks) | SEMESTER | Tgl Penyusunan |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------|-----------------------|
| Enterprise Resource Planning | | Sistem Informasi | 3 | | |
| OTORISASI | Dosen Pengembang RPS | Koordinator RMK | Kepala Program Studi | | |
| | | | Lila Sertiyani, S.T, M.Kom | | |
| Capaian Pembelajaran (CP) | CPL-PRODI | | | | |
| | P4 | Memiliki pengetahuan sesuai dengan capaian pembelajaran program studi S1 sistem Informasi | | | |
| | KU12 | Memiliki kecakapan hidup sesuai capaian pembelajaran program studi Sistem Informasi | | | |
| | KK | Mampu mengembangkan teori serta metode atau teknik pada domain management and governance(MAGO) atau informatics concepts (INCO) | | | |
| | CP-MK | | | | |
| | M1 | Modern Enterprise Resource Planning | | | |
| Deskripsi Mata Kuliah | Mata kuliah ini mengajarkan kepada mahasiswa tentang konsep dan praktek Modern Enterprise Resource Planning | | | | |
| Materi Pembelajaran / Pokok Bahasan | SUB-CP-MK | | | | |
| | <ol style="list-style-type: none"> 1. Introduction to Enterprise Resource Planning System 2. ERP Technology 3. ERP and Business Process Redesign 4. ERP and Process Mapping 5. ERP Life Cycle : Planning and Package selection 6. ERP Life Cycle : Implementation and Operation and Maintenance 7. ERP Financial management 8. ERP Sales, CRM dan Knowledge Management 9. ERP Supply Chain Management 10. ERP Human Capital Managemnt 11. ERP Security and Implementation Assurance | | | | |

| 12. ERP and Business Analytics | | | | | | |
|--------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Pustaka | | Utama : | | | | |
| | | Bradford, Marianne(2012). Modern ERP Select, Implement, & Use Today's Advanced Business System Third Edition .USA : SAS Institute Inc | | | | |
| | | Pendukung : | | | | |
| | | | | | | |
| Media Pembelajaran | | Perangkat Lunak : | | | Perangkat Keras : | |
| | | Microsoft Word | | | Proyektor , Papan Tulis ,Spidol, Penghapus | |
| Tema Teaching | | | | | | |
| Matakuliah Syarat | | | | | | |
| Mg Ke- | Sub-CP-MK (sbg kemampuan akhir yang diharapkan) | Indikator | Kriteria & Bentuk Penilaian | Metode Pembelajaran [Estimasi Waktu] | Materi Pembelajaran [Pustaka] | Bobot Penilaian[%] |
| 1 | Introduction to ERP system[C2, A2, P1] | Ketepatan dalam menjelaskan : <ul style="list-style-type: none"> Introduction to ERP system[| Kriteria : Ketepatan dan penguasaan Bentuk non-test : Tanya jawab | <ul style="list-style-type: none"> Kuliah dan diskusi [TM 3 x 50’] | <ul style="list-style-type: none"> Objectives Introduction ERP Essentials Who needs knowledge of ERP system ? When does a company need an ERP system ? Advantages of ERP system Disadvantages of ERP systems ERP Evolution and trends ERP Market | 5% |
| 2 | ERP Technology [C2, A2, P1] | Ketepatan dalam menjelaskan : <ul style="list-style-type: none"> ERP Technology | Kriteria : Ketepatan dan penguasaan Bentuk non-test : | <ul style="list-style-type: none"> Kuliah dan diskusi [TM 3 x 50’] | <ul style="list-style-type: none"> Objectives Introduction Evolution of ERP Architecture | |

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| | | | Tanya jawab | | <ul style="list-style-type: none"> ▪ Relational Database Management System ▪ Data Normalization ▪ SQL ▪ ERP data ▪ Configuration ▪ Customization ▪ Best of breed ▪ System Landscape ▪ Cloud Computing ▪ Mobility | |
| 3 | ERP and Business Process Redesign [C2, A2, P1] | <p>Ketepatan dalam menjelaskan :</p> <ul style="list-style-type: none"> ▪ ERP and Business Process Redesign | <p>Kriteria : Ketepatan dan penguasaan Bentuk non-test : Tanya jawab</p> | <ul style="list-style-type: none"> ▪ Kuliah dan diskusi [TM 3 x 50"] | <ul style="list-style-type: none"> ▪ Objectives ▪ Introduction ▪ Business Process ▪ Common Problems with business processes ▪ Business process reengineering ▪ Factors for reengineering success ▪ Business process improvement ▪ Business process improvement model ▪ Processes in need of change ▪ Stakeholders for business process transformationa. | 5% |
| 4 | ERP and Process Mapping [C2, A2, P1] | <p>Ketepatan dalam menjelaskan :</p> <ul style="list-style-type: none"> ▪ ERP and Process Mapping | <p>Kriteria : Ketepatan dan penguasaan Bentuk non-test :</p> | <ul style="list-style-type: none"> ▪ Kuliah dan diskusi [TM 3 x 50"] | <ul style="list-style-type: none"> ▪ Objectives ▪ Introduction ▪ System Diagrams ▪ The Process Map | 5% |

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| | | | Tanya jawab | | <ul style="list-style-type: none"> ▪ Benefits of process mapping ▪ Gathering information for the process map ▪ Process mapping roles ▪ Steps for drawing process maps ▪ Process map example – electric city ▪ Extensions to electric city process map ▪ Advanced Process map example – Fit Gear. | |
| 5 | ERP Life Cycle : Planning and package selection [C2, A2, P1] | Ketepatan dalam menjelaskan : <ul style="list-style-type: none"> ▪ ERP Life Cycle : Planning and package selection | Kriteria : Ketepatan dan penguasaan Bentuk non-test : Tanya jawab | <ul style="list-style-type: none"> ▪ Kuliah dan diskusi [TM 3 x 50”] | <ul style="list-style-type: none"> ▪ Objectives ▪ Introductions ▪ ERP Life Cycle – Planning ▪ ERP Life Cycle – Package Selection | 10% |
| 6 | ERP Life Cycle : Implementation and operation and manaintenance [C2, A2, P1] | Ketepatan dalam menjelaskan : <ul style="list-style-type: none"> ▪ ERP Life Cycle : Implementation and operation and manaintenance | Kriteria : Ketepatan dan penguasaan Bentuk non-test : Tanya jawab | <ul style="list-style-type: none"> ▪ Kuliah dan diskusi [TM 3 x 50”] | <ul style="list-style-type: none"> ▪ Objectives ▪ Introduction ▪ ERP life Cycle – implementation ▪ ERP Life Cycle – Operation maintenance | 10% |
| 7 | ERP Financial management [C2, A2, P1] | Ketepatan dan penguasaan dalam : ERP Financial management | Kriteria : Ketepatan dan penguasaan Bentuk Non Test : | <ul style="list-style-type: none"> ▪ Kuliah dan diskusi [TM 3 x 50”] | <ul style="list-style-type: none"> ▪ Objectives ▪ Introduction ▪ Financial Accounting ▪ Management Accounting | 5% |

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| | | | Tanya jawab | | <ul style="list-style-type: none"> ▪ Asset Managemnt Travel and Expense Management | |
| UJIAN TENGAH SEMESTER | | | | | | |
| 9 | ERP Sales, CRM and KM [C2, A2, P1] | Ketepatan dan penguasaan dalam : <ul style="list-style-type: none"> ▪ ERP Sales, CRM and KM | Kriteria : Ketepatan dan penguasaan Bentuk Non Test : Tanya jawab | <ul style="list-style-type: none"> ▪ Kuliah dan diskusi [TM 3 x 50”] | <ul style="list-style-type: none"> ▪ Objectives ▪ Introduction ▪ Sales Process ▪ Point of Sale system | 5% |
| 10 | ERP Sales, CRM and KM [C2, A2, P1] | Ketepatan dan penguasaan dalam : <ul style="list-style-type: none"> ▪ ERP Sales, CRM and KM | Kriteria : Ketepatan dan penguasaan Bentuk Non Test : Tanya jawab | <ul style="list-style-type: none"> ▪ Kuliah dan diskusi [TM 3 x 50”] | <ul style="list-style-type: none"> ▪ CRM vs ERP ▪ CRM Functionality ▪ CRM Interaction Channels ▪ Social CRM ▪ Elements for CRM Success ▪ CRM Metrics ▪ CRM Analytics | 15% |
| 11 | ERP Sales, CRM and KM [C2, A2, P1] | Ketepatan dan penguasaan dalam : <ul style="list-style-type: none"> ▪ ERP Sales, CRM and KM | Kriteria : Ketepatan dan penguasaan Bentuk Non Test : Tanya jawab | <ul style="list-style-type: none"> ▪ Kuliah dan diskusi [TM 3 x 50”] | <ul style="list-style-type: none"> ▪ Knowledge management ▪ CRM and Knowledge Management ▪ Implementing a knowledge management system ▪ Knowledge managemnt metrics | 5% |
| 12 | ERP Supply Chain Management [C2, A2, P1] | Ketepatan dan penguasaan dalam menjelaskan : <ul style="list-style-type: none"> ▪ ERP Supply Chain Management | Kriteria : Ketepatan dan penguasaan Bentuk Non Test : Tanya jawab | <ul style="list-style-type: none"> ▪ Kuliah dan diskusi [TM 3 x 50”] | <ul style="list-style-type: none"> ▪ Objectives ▪ Introduction ▪ What is Supply Chain management ? ▪ Purchasing and sourcing | 5% |

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| | | | | | <ul style="list-style-type: none"> ▪ Supplier relationship management' warehouse management system ▪ Transportation management system ▪ Manufacturing ▪ Quality assurance ▪ Plant maintenance ▪ Environment, health, and safety ▪ Supply chain technology | |
| 13 | ERP Human Capital Management [C2, A2, P1] | Ketepatan dan penguasaan dalam menjelaskan : ERP Human Capital Management | Kriteria : Ketepatan dan penguasaan Bentuk Non Test : Tanya jawab | <ul style="list-style-type: none"> ▪ Kuliah dan diskusi [TM 3 x 50"] | <ul style="list-style-type: none"> ▪ Objectives ▪ Introduction ▪ Human Capital Manageemnt ▪ Employee self – service ▪ Outsourcing human capital management fuctions | 5% |
| 14 | ERP Security and Implementation Assurance [C2, A2, P1] | Ketepatan dan penguasaan dalam menjelaskan : <ul style="list-style-type: none"> ▪ ERP Security and Implementation Assurance | Kriteria : Ketepatan dan penguasaan Bentuk Non Test : Tanya jawab | <ul style="list-style-type: none"> ▪ Kuliah dan diskusi [TM 3 x 50"] | <ul style="list-style-type: none"> ▪ Objectives ▪ Introduction ▪ Internal Control ▪ ERP and internal controls ▪ IT Application controls ▪ IT general Controls ▪ System Implementation Assurance ▪ ISACA Certification for IT Professionals | 5% |
| 15 | ERP and Business Analystics [C2, A2, P1] | Ketepatan dan penguasaan dalam menjelaskan : <ul style="list-style-type: none"> ▪ ERP and Business Analystics | Kriteria : Ketepatan dan penguasaan Bentuk Non Test : | <ul style="list-style-type: none"> ▪ Kuliah dan diskusi [TM 3 x 50"] | <ul style="list-style-type: none"> ▪ Objectives ▪ Introduction ▪ Business Analytics ▪ Types of Business Analystics | 5% |

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| | | | Tanya jawab | | <ul style="list-style-type: none"> ▪ Data source for business analytics ▪ Business analytics best practices ▪ Corporate performance management ▪ The balanced scorecard ▪ Data governance | |
| UJIAN AKHIR SEMESTER | | | | | | |

Catatan :

- 1) TM : Tatap muka , BT : Belajar Terstruktur , BM : Belajar Mandiri
- 2) [TM 2x50"] dibaca : 2 sks x 50 menit = 150 menit
- 3) [BT+BM: (1x50")]dibaca : belajar terstuktut dan mandiri 1x 50 menit
- 4) Mahasiswa memahami Introduction to ERP system [C2,A2,P2] : menunjukkan bahwa sub-CPMK ini mengandung kemampuan ranah taksonomi kognitif level 2(memahami), ranah taksonomi afektif level 2 (menanggapi) dan ranah taksonomi psikomotorik level 1(meniru)



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RENCANA TUGAS MAHASISWA

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|-------------------------------------------------|---------------------------------------------------|------------|----------|-----------------|--|
| MATA KULIAH | ENTERPRISE RESOURCE PLANNING | | | | |
| KODE | | SKS | 3 | SEMESTER | |
| DOSEN PENGAMPU | | | | | |
| BENTUK TUGAS | | | | | |
| JUDUL TUGAS | | | | | |
| SUB CAPAIN PEMBELAJARAN MATA KULIAH | | | | | |
| DISKRIPSI TUGAS | | | | | |
| METODE Pengerjaan Tugas | 1. | | | | |
| BENTUK DAN FORMAT LUARAN | a. Obyek garapan : b. Bentuk Luaran : | | | | |
| INDIKATOR , KRITERIA DAN BOBOT PENILAIAN | a. Hasil analisis (%) b. Hasil dokumentasi (%) | | | | |
| JADWAL PELAKSANAAN | | | | | |
| LAIN - LAIN | Tugas wajib | | | | |
| DAFTAR RUJUKAN | | | | | |



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RENCANA UJIAN TENGAH SEMESTER MAHASISWA

MATA KULIAH **ENTERPRISE RESOURCE PLANNING**

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|-------------|--|------------|----------|-----------------|--|
| KODE | | SKS | 3 | SEMESTER | |
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**DOSEN
PENGAMPU**

BENTUK UJIAN TENGAH SEMESTER

JUDUL UJIAN TENGAH SEMESTER

DISKRIPSI UJIAN TENGAH SEMESTER

METODE UJIAN TENGAH SEMESTER

BENTUK DAN FORMAT LUARAN

- a. Obyek garapan :
- b. Bentuk Luaran :

INDIKATOR , KRITERIA DAN BOBOT PENILAIAN

Hasil analisis (100%)

JADWAL PELAKSANAAN

LAIN - LAIN

DAFTAR RUJUKAN



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RENCANA UJIAN AKHIR SEMESTER MAHASISWA

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|-------------------------------------------------|-------------------------------------|------------|----------|-----------------|--|
| MATA KULIAH | ENTERPRISE RESOURCE PLANNING | | | | |
| KODE | | SKS | 3 | SEMESTER | |
| DOSEN PENGAMPU | | | | | |
| BENTUK UJIAN AKHIR SEMESTER | | | | | |
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| JUDUL UJIAN AKHIR SEMESTER | | | | | |
| | | | | | |
| DISKRIPSI UJIAN AKHIR SEMESTER | | | | | |
| | | | | | |
| METODE UJIAN AKHIR SEMESTER | | | | | |
| 1. | | | | | |
| BENTUK DAN FORMAT LUARAN | | | | | |
| a. Obyek garapan : | | | | | |
| b. Bentuk Luaran : | | | | | |
| INDIKATOR , KRITERIA DAN BOBOT PENILAIAN | | | | | |
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| JADWAL PELAKSANAAN | | | | | |
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| LAIN - LAIN | | | | | |
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| DAFTAR RUJUKAN | | | | | |
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