

RENCANA PEMBELAJARAN SEMESTER INFORMATION SYSTEM INNOVATION IN ORGANIZATION AND SOCIETY



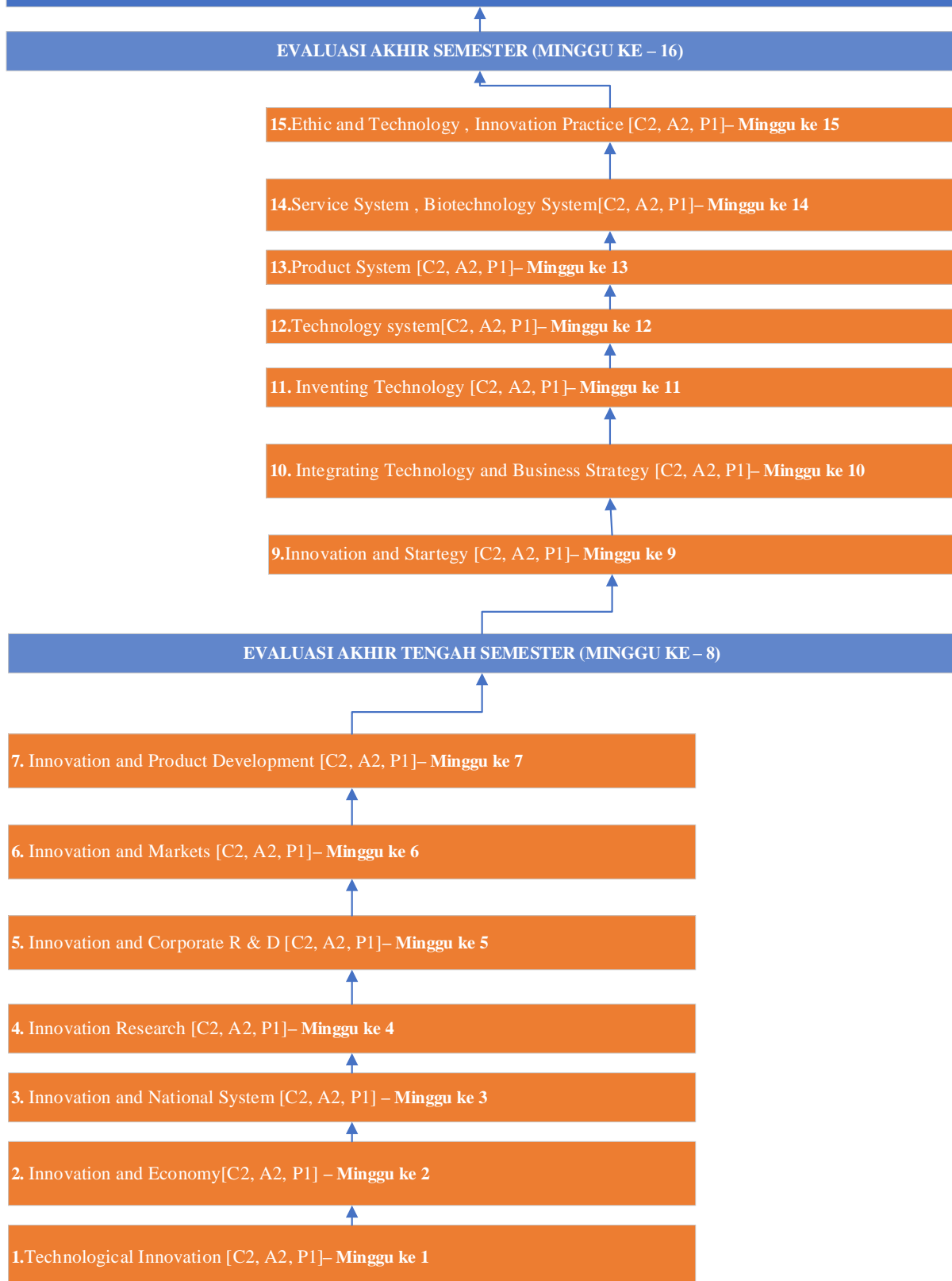
Disusun Oleh :

**SEKOLAH TINGGI MANAJEMEN INFORMATIKA DAN KOMPUTER ROSMA
PROGRAM STUDI SISTEM INFORMASI
2020**

DIAGRAM ANALISIS HASIL PEMBELAJARAN MATAKULIAH IS INNOVATION IN ORGANIZATION AND SOCIETY

CAPAIAN PEMBELAJARAN MATAKULIAH IS INNOVATION IN ORGANIZATION AND SOCIETY

1. Technology Competitiveness – Business Base of Innovation[P4,KU12,KK]
2. Technology Strategy – technical Base of Innovation[P4,KU12,KK]
3. Innovation Handbook[P4,KU12,KK]





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RENCANA PEMBELAJARAN SEMESTER

MATA KULIAH	KODE	Rumpun Mata Kuliah	BOBOT(sks)	SEMESTER	Tgl Penyusunan
IS Innovation in Organization and Society		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	Technology Competitiveness – Business Base of Innovation[P4,KU12,KK]			
	M2	Technology Strategy – technical Base of Innovation[P4,KU12,KK]			
	M3	Innovation Handbook[P4,KU12,KK]			
Deskripsi Mata Kuliah	Mata kuliah ini mengajarkan kepada mahasiswa tentang konsep IS Innovation in Organization and Society				
Materi Pembelajaran / Pokok Bahasan	SUB-CP-MK				
	<ol style="list-style-type: none"> 1. Technological Innovation [M1] 2. Innovation and Economy [M1] 3. Innovation and National System [M1] 4. Innovation Research[M1] 5. Innovation and Corporate R& D[M1] 6. Innovation and Market [M1] 7. Innovation and Product Development [M1] 8. Innovation and Strategy [M1] 				

	9. Integrating Technology and Business Strategy [M2] 10. Inventing Technology [M2] 11. Technology System [M2] 12. Product System [M2] 13. Service System [M2] 14. Biotechnical System [M2] 15. Ethics and Technology [M2] 16. Innovation Practice [M3]					
Pustaka	Utama :					
	Betz, Frederick (2011) . Managing Technological Innovation . Canada : John Wiley & Sons, 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	Technological Innovation [C2, A2, P1]	Ketepatan dalam menjelaskan : <ul style="list-style-type: none"> ▪ Technological Innovation 	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"> ▪ Timeline of Science , Technology and Industrialization ▪ Innovation Process ▪ Technology and Wealth ▪ Technical Savvy and Financial Savvy ▪ Technical Personnel and Business Personnel 	5%
2	Innovation and Economy[C2, A2, P1]	Ketepatan dalam menjelaskan : <ul style="list-style-type: none"> ▪ Innovation and Economy 	Kriteria :	<ul style="list-style-type: none"> ▪ Kuliah dan diskusi 	<ul style="list-style-type: none"> ▪ Economy Scale of Innovation 	

			<p>Ketepatan dan penguasaan</p> <p>Bentuk non-test</p> <p>:</p> <p>Tanya jawab</p>	[TM 3 x 50”]	<ul style="list-style-type: none"> ▪ Economic Long Waves ▪ Measuring the Economic Impac of Technological Innovation in an Economy ▪ Core technologies of an Industry ▪ Industrial Life Cycle ▪ Industrial Standards and First Movers in a New Industry ▪ Commodity Industry 	
3	Innovation and National System [C2, A2, P1]	<p>Ketepatan dalam menjelaskan :</p> <ul style="list-style-type: none"> ▪ Innovation and National System 	<p>Kriteria :</p> <p>Ketepatan dan penguasaan</p> <p>Bentuk non-test</p> <p>:</p> <p>Tanya jawab</p>	<ul style="list-style-type: none"> ▪ Kuliah dan diskusi [TM 3 x 50”] 	<ul style="list-style-type: none"> ▪ Science Bases for technology ▪ Computer technology ▪ National Innovation System ▪ Radical Innovation at the Macro and Micro-levels ▪ Radical Innovation and next-generation product lines ▪ Circular Interactions in a National Innovation System ▪ Perfomance of National Innovation System 	5%
4	Innovation Research [C2, A2, P1]	<p>Ketepatan dalam menjelaskan :</p> <ul style="list-style-type: none"> ▪ Innovation Research 	<p>Kriteria :</p> <p>Ketepatan dan penguasaan</p>	<ul style="list-style-type: none"> ▪ Kuliah dan diskusi [TM 3 x 50”] 	<ul style="list-style-type: none"> ▪ Logic of Research for Innovation 	5%

			Bentuk non-test : Tanya jawab		<ul style="list-style-type: none"> ▪ Logic of Radical Innovation-technology research ▪ Logic of Radical innovation – Engineering Research ▪ Logic of Radical Innovation – Commercialization ▪ Cost of Innovation 	
5	Innovation and Corporate R & D [C2, A2, P1]	Ketepatan dalam menjelaskan : <ul style="list-style-type: none"> ▪ Innovation and Corporate R & D 	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"> ▪ Institutionalization of Scientific Technology ▪ Objectives of Corporate Research ▪ Planning Incremental Innovation ▪ Two Culture – Research Laboratory and Business Division ▪ Evaluating Corporate R& D 	10%
6	Innovation and Markets [C2, A2, P1]	Ketepatan dalam menjelaskan : <ul style="list-style-type: none"> ▪ Innovation and Markets 	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"> ▪ Business model – price and value ▪ Designing a product for a market ▪ Completing High-Tech Product for Application ▪ Market Positioning ▪ Proprietary Technology ▪ Market niches 	10%
7	Innovation and Product Development [C2, A2, P1]	Ketepatan dan penguasaan dalam memahami :	Kriteria : Ketepatan dan penguasaan	<ul style="list-style-type: none"> ▪ Kuliah dan diskusi [TM 3 x 50”] 	<ul style="list-style-type: none"> ▪ Market-Pull or Technology-Push Innovation 	5%

		<ul style="list-style-type: none"> ▪ Innovation and Product Development 	Bentuk Non Test : Tanya jawab		<ul style="list-style-type: none"> ▪ Incremental Innovation in Product Development ▪ Delays in a Product Development process ▪ Product Quality 	
UJIAN TENGAH SEMESTER						
9	Innovation and Startegy [C2, A2, P1]	Ketepatan dan penguasaan dalam : <ul style="list-style-type: none"> ▪ Innovation and Startegy 	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"> ▪ Micro-level Innovation in Business ▪ Top-down and bottom-up strategy in innovation ▪ Top level Innovation Strategy ▪ Mid-level Innovation startegy – new high tech ▪ Business Ventures ▪ Lower level of innovation startegy – Technical program ▪ Bottom level of Innovation startegy – technical Project. 	5%
10	Integrating Technology and Business Strategy [C2, A2, P1]	Ketepatan dan penguasaan dalam : <ul style="list-style-type: none"> ▪ Integrating Technology and Business Strategy 	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"> ▪ Industrial Value Chain ▪ Technology Startegy ▪ Technology and Application system ▪ Product-line planning ▪ Product-line platforms 	15%
11	Inventing Technology [C2, A2, P1]	Ketepatan dan penguasaan dalam memahami : <ul style="list-style-type: none"> ▪ Inventing 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"> ▪ Technology and potentials of nature ▪ Next-generation technologies 	5%

			Tanya jawab		<ul style="list-style-type: none"> ▪ Innovation process of next generation technologies products ▪ Types of technologies 	
12	Technology system[C2, A2, P1]	Ketepatan dan penguasaan dalam memahami : Technology 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"> ▪ Technology system ▪ Physical technology S-curve ▪ Technology performace parameters ▪ Software Technologies ▪ Planning technology discontinuities ▪ Technological progress ▪ System analysis for alternative technology configuration 	5%
13	Product System [C2, A2, P1]	Ketepatan dan penguasaan dalam memahami : <ul style="list-style-type: none"> ▪ Product 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"> ▪ Sikorsky’s Helicopter ▪ Hardware Product system ▪ Systeme analysis in hardware-product design ▪ Specialized languages in Science ▪ Computer-Assisted network ▪ Logic and Langaue in Software Design ▪ Design Bugs ▪ Comparing software and Hardware Innovation 	5%
14	Service System , Biotechnology System[C2, A2, P1]	Ketepatan dan penguasaan dalam menjelaskan :	Kriteria : Ketepatan dan penguasaan	<ul style="list-style-type: none"> ▪ Kuliah dan diskusi [TM 3 x 50”] 	<ul style="list-style-type: none"> ▪ Service science ▪ Logic of service transactions 	5%

		<ul style="list-style-type: none"> ▪ Service System , Biotechnology System 	Bentuk Non Test : Tanya jawab		<ul style="list-style-type: none"> ▪ Strategic business visons – a hardware business or a service business ▪ Service and e-commerce ▪ Modeling service systems ▪ Service performance and innovation ▪ Science bases for technology ▪ Profits in biotechnology ▪ Research and complexity aof nature ▪ Progress in biotechnology ▪ University research centers for science and technology 	
15	Ethic and Technology , Innovation Practice [C2, A2, P1]	Ketepatan dan penguasaan dalam menjelaskan : <ul style="list-style-type: none"> ▪ Ethic and Technology , Innovation Practice 	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"> ▪ Technology in ethics as “means and ends” ▪ Ethics and regulation ▪ Ethical Imperative and technology imperative ▪ Control system for intrinsically evil technologies ▪ How to manage innovation process ▪ How to manage research and development 	5%

					<ul style="list-style-type: none"> ▪ How to manage product development ▪ How to manage high-tech marketing ▪ How to manage service innovation ▪ How to manage biotechnology innovation 	
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 Technological Innovation [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

MATA KULIAH	IS Innovation in Organization and Society				
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 IS Innovation in Organization and Society

KODE SKS 3 SEMESTER

**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

MATA KULIAH IS Innovation in Organization and Society

KODE **SKS** **3** **SEMESTER**

**DOSEN
PENGAMPU**

BENTUK UJIAN AKHIR SEMESTER

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

JADWAL PELAKSANAAN

LAIN - LAIN

DAFTAR RUJUKAN