



## RENCANA PROGRAM KEGIATAN PERKULIAHAN SEMESTER (RPKPS)

Kode / Nama Mata Kuliah	: 56606 / Perencanaan Sumber Daya Perusahaan	Revisi ke	: -
Satuan Kredit Semester	: 3 SKS	Tgl revisi	: -
Jml Jam kuliah dalam seminggu	: 150 menit	Tgl mulai berlaku	: 16 Februari 2015
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Jml Jam kegiatan laboratorium	: -	Penanggung jawab Keilmuan	: Indra Gamayanto, MITM

Deskripsi Mata kuliah : Pada mata kuliah perencanaan sumber daya perusahaan (ERP), mahasiswa akan diajarkan konsep dasar dari ERP dan penerapannya ke dalam perusahaan, beberapa tools, sebagai contoh SAP akan juga diajarkan kepada mahasiswa guna meningkatkan pengetahuan di dalam pengembangan ERP. Mahasiswa akan diberikan tugas yang akan memberikan kemampuan untuk meningkatkan kemampuan dalam inovasi dan mengimplemenasikan ERP ke dalam perusahaan. Konsep Yang diajarkan dalam ERP antara lain: Introduction to ERP (Overview-Variation in manufacturing environment affecting ERP system usage; Trends affecting manufacturing and ERP; Justification of ERP investments); Structuring and manufacturing database (Items identification for material items; Bills of material; Resources and routings; Items supply and planning data; Product costing; Custom products); Sales and operation planning (Demand management; Sales and operations planning; Sales and operation planning case studies in ERP); Sales management (Sales order processing; Customer service); Executing supply chain activities (Procurement and receiving; Inventory management; Production and activity control; Distribution management; Field services; Quality management); Accounting and reporting (Cost accounting; Management reporting); Variations in manufacturing environments (Multisite operations; Project manufacturing operations); ERP at a glance.

Standar Kompetensi : Setelah mengikuti mata kuliah ini

1. Mahasiswa mampu memahami konsep dasar ERP secara umum.
2. Mahasiswa mampu memahami konsep dasar ERP berbasis teknologi informasi.
3. Mahasiswa mampu memahami konsep dasar ERP secara khusus.
4. Mahasiswa mampu menerapkan konsep ERP ke dalam proyek nyata di lapangan dengan contoh-contoh yang akan diberikan oleh dosen.
5. Mahasiswa mampu menganalisis situasi kasus dengan menggunakan konsep ERP yang telah diajarkan di perkuliahan.
6. Mahasiswa akan memiliki tingkat analisis, kreativitas dan inovasi yang tajam tentang konsep ERP.

Perte- muan ke :	Kompetensi Dasar	Indikator	Pokok Bahasan/Materi	Aktifitas Pembelajaran	Rujukan
1	Pada minggu pertama, Pada minggu pertama, mahasiswa akan diberikan penjelasan dengan detail tentang tugas yang harus dilakukan oleh mahasiswa selama 14 minggu tatap muka di perkuliahan yang meliputi: Tugas mandiri, tugas kelompok, ujian tengah semester dan ujian akhir semester serta tanya jawab tentang peraturan dan tata tertib perkuliahan di ERP. Selanjutnya mahasiswa akan diajarkan Introduction to ERP dan hubungannya dengan teknologi informasi.	Mampu memahami konsep dasar dari ERP	<p>OVERVIEW MATAKULIAH SILABUS DAN RPKPS</p> <p>PENJELASAN TUGAS YANG HARUS DILAKUKAN OLEH MAHASISWA</p> <p>KONSEP DASAR ERP- PENDAHULUAN Variations in Manufacturing environments affecting ERP systems usage; design issues that effects ERP systems usage; focus on ERP usage in small manufactures; ERP systems; organizing focus on the analysis inside ERP.</p>	Ceramah, Brainstorming, Presentasi Slide LCD, Tanya Jawab, Diskusi	
2	Mahasiswa akan konsep Trends Affecting Manufactures and ERP – Justification of ERP Investments.	konsep Manufactures dan Investments of ERP	<p>TRENDS AFFECTING MANUFACTURES AND ERP – JUSTIFICATION OF ERP INVESTMENTS</p> <p>Supply chain management; customer oriented strategies and CRM; JIT and lean manufacturing; demassified multisite operations; ERP and</p>	Ceramah, Brainstorming, Presentasi Slide LCD, Tanya Jawab, Diskusi	

Pertemuan ke :	Kompetensi Dasar	Indikator	Pokok Bahasan/Materi	Aktifitas Pembelajaran	Rujukan
			<p>computer integrated manufacturing; ERP and advanced planning and scheduling; evolutions of ERP software packages; ERP and generally accepted manufacturing practices; justification of ERP investments; quantifiable benefits from an ERP systems; the intangible effects of ERP; costs of implementing an ERP systems; replacing or reimplementing an ERP systems.</p>		
3	<p>Mahasiswa akan memahami konsep Structuring The Manufacturing Database Bagian 1.</p>	<p>Mampu memahami konsep Manufacturing Database bagian 1.</p>	<p>STRUCTURING THE MANUFACTURING DATABASE BAGIAN 1            Items (item identification for material items; ERP design process issues related to material items; other types of items; family items; common problems related to material items); bills of material (critical information in a bill of material; managing changes to a bill of material; other consideration in the bill of material; planning bills and standard products); resource and routings (resource master-</p>	<p>Ceramah, Brainstorming, Presentasi Slide LCD, Tanya Jawab, Diskusi</p>	

Pertemuan ke :	Kompetensi Dasar	Indikator	Pokok Bahasan/Materi	Aktifitas Pembelajaran	Rujukan
			internal resources; routings operations-internal; external resources and outside operations; managing changes to a routing; other consideration in the routing; common problems related to routings).		
4	Mahasiswa akan memahami konsep Structuring The Manufacturing Database Bagian 2.	Mampu memahami konsep Manufacturing databases bagian 2	STRUCTURING THE MANUFACTURING DATABASE BAGIAN 2 Item supply and planning data (ERP design issued related to item supplies; supply orders; supply orders with direct linkage to sales orders; responsibility for coordinating supply chain activities; replenishment methods; planning policies and their impact in replenishment; other policies impacting replenishment based on MRP logic); product costing (overview of product costing; building on the common manufacturing database; suggestions for maintaining standard costs; common problem related to product costing); common products (defining a custom product configuration; estimated cost	Ceramah, Brainstorming, Presentasi Slide LCD, Tanya Jawab, Diskusi	



Pertemuan ke :	Kompetensi Dasar	Indikator	Pokok Bahasan/Materi	Aktifitas Pembelajaran	Rujukan
			for a configuration; estimated price for a configuration; supply orders and a configuration; differences between a configuration and standard product items; defining a custom product planning bill; supply orders and the production plan; common problems related to custom products).		
5	Mahasiswa akan memahami konsep Sales And Operation Planning bagian 1.	Mampu memahami konsep Sales dan operation bagian 1	SALES AND OPERATION PLANNING BAGIAN 1 Demand management (identifying the sources of independent demands; anticipating actual demands with forecasts; anticipating variability in actual demands via inventory plans; interactions between actual and forecasted demand); sales and operation planning (some basic S & OP principles; an overall S & OP framework: basic elements; case study analysis; make the S & OP game plan realistic; significance of an agreed upon S & OP game plan; making delivery promise logic; making delivery based on capable to promise logic; other common	Ceramah, Brainstorming, Presentasi Slide LCD, Tanya Jawab, Diskusi	

Pertemuan ke :	Kompetensi Dasar	Indikator	Pokok Bahasan/Materi	Aktifitas Pembelajaran	Rujukan
			problems related to sales and operations).		
6	Mahasiswa akan memahami konsep Sales and Operations Bagian 2.	Mampu memahami konsep sales dan operations bagian 2.	SALES AND OPERATIONS BAGIAN 2 Make to stock standard products; make to order standard products with indirect linkage; make to order standard products with direct linkage; custom products; special case: common material used to produce many MTO items.	Ceramah, Brainstorming, Presentasi Slide LCD, Tanya Jawab, Diskusi	
7	Overview minggu 1-6. Pembahasan studi kasus khusus dan nyata.	Overview minggu 1-6	OVERVIEW MINGGU 1-6 Overview minggu 1-6. Pembahasan studi kasus ERP secara khusus	Ceramah, Brainstorming, Presentasi Slide LCD, Tanya Jawab, Diskusi	
Ujian Tengah Semester					
8	Mahasiswa akan memahami konsep Sales Management.	Mampu memahami konsep sales management.	SALES MANAGEMENT Sales order processing; sources of demand; life cycle of a sales order processing; other steps in sales order processing; sales order consideration that impacts demands; sales order consideration that impact consideration of supply chain activities; sales history and sales analysis; sales order considerations with multiple sales channels; other common problems related to sales order processing;	Ceramah, Brainstorming, Presentasi Slide LCD, Tanya Jawab, Diskusi	

Pertemuan ke :	Kompetensi Dasar	Indikator	Pokok Bahasan/Materi	Aktifitas Pembelajaran	Rujukan
			customer service; scope of customer service; CRM and ERP relationships; returned material and returned material authorizations; common problems related to customer service.		
9	Mahasiswa akan memahami konsep Executing Supply chain activities bagian 1.	Mampu memahami konsep supply chain activities bagian 1.	EXECUTING SUPPLY CHAIN ACTIVITIES BAGIAN 1 Procurement and receiving; a contingency approach to procurement activities; a framework for procurement activities; review manufacturing database information relevant to procurement; sourcing and agreement information; coordinating and executing procurement activities; receiving activities; analysis tools for procurement; symmetry between procurement and sales; common problems related to procurement; inventory management; inventory locations; inventory status and ownership; basics of stockroom inventory management; common problems related to inventory management.	Ceramah, Brainstorming, Presentasi Slide LCD, Tanya Jawab, Diskusi	
10	Mahasiswa akan memahami konsep Executing Supply Chain Activities bagian 2	Mampu memahami konsep Supply Chain Activities bagian 2	EXECUTING SUPPLY CHAIN ACTIVITIES BAGIAN 2 Production and production activities control; a contingency	Ceramah, Brainstorming, Presentasi Slide LCD, Tanya Jawab, Diskusi	

Pertemuan ke :	Kompetensi Dasar	Indikator	Pokok Bahasan/Materi	Aktifitas Pembelajaran	Rujukan
			<p>approach to modeling production activities; a framework for production activities; review of manufacturing database information relevant to production; coordinating and executing production activities; tracking production status; receiving activities related to production; common problems related to production activity control; distribution management; a contingency approach to shipping activities; a framework for shipping activities; manufacturing database information relevant to shipping; coordinate and execute shipping activities; tracking shipments; variations in shipping environments.</p>		
11	Mahasiswa akan memahami konsep Executing Supply Chain Activities bagian 3.	Mampu memahami konsep Supply Chain Activities bagian 3.	<p>EXECUTING SUPPLY CHAIN ACTIVITIES BAGIAN 3</p> <p>Field services; differences between field services and production; variations in field service environment; quality management; macro level quality metrics and an effective ERP systems; quality implication for an ERP systems; case study analysis' coordination tools in an ERP</p>	Ceramah, Brainstorming, Presentasi Slide LCD, Tanya Jawab, Diskusi	



Pertemuan ke :	Kompetensi Dasar	Indikator	Pokok Bahasan/Materi	Aktifitas Pembelajaran	Rujukan
			systems for quality management personnel; work flow processes and an ERP systems; impact of ISO 9000 and other certification programs in an ERP systems; integration of specialized quality management applications.		
12	Mahasiswa akan memahami konsep Variations And Manufacturing Enviroments.	Mampu memahami konsep manufacturing environments.	VARIATIONS AND MANUFACTURING ENVIROMENTS Multisite operations; physical sites in an multisite operations; selective coordination of a multisite operation; selective coordination of a multisite operation; multisite operations and distribution requirements planning; project manufacturing operations; project master; project MRP and an S & OP case study analysis; project costing.	Ceramah, Brainstorming, Presentasi Slide LCD, Tanya Jawab, Diskusi	
13	Mahasiswa akan memahami konsep membahas studi kasus khusus yang akan ditentukan oleh dosen. Presentasi kelompok	Mampu memahami pemecahan kasus khusus dalam ERP	STUDI KASUS ERP Pembahasan studi kasus khusus.	Ceramah, Brainstorming, Presentasi Slide LCD, Tanya Jawab, Diskusi	
14	Overview minggu 9-14. Presentasi kelompok.	Overview minggu 9-14	OVERVIEW MINGGU 9-14 Overview minggu 9-14	Ceramah, Brainstorming, Presentasi Slide LCD, Tanya Jawab, Diskusi	
Ujian Akhir Semester					



Level Taksonomi :

Kognitif		Psikomotor		Afektif	
Pengetahuan (knowledge)		Peniruan (imitation)		Menerima (receiving)	
Pemahaman (comprehension)	15 %	Manipulasi (manipulation)	10 %	Menanggapi (responding)	5 %
Penerapan (application)	15 %	Ketepatan (precision)		Menilai (valuing)	
Analisis (analysis)	30 %	Artikulasi (articulation)		Mengelola (organizing)	5 %
Sintesis (synthesis)	10 %	Pengalamiahuan (naturalization)	10 %	Menghayati (characterizing)	
Evaluasi (evaluation)					

Komposisi Penilaian :

Aspek Penilaian	Prosentase
Ujian Akhir Semester	30 %
Ujian Tengah Semester	25 %
Tugas Mandiri	20 %
Kuis	15 %
Kehadiran Mahasiswa	5 %
Sikap	5 %
Total	100 %

Daftar

Wajib

Referensi

:

1. Scott Hamilton (2002), Maximizing Your ERP Systems: A Practical Guide For Managers, McGraw-Hill, Singapore
2. Karl M. Kapp (2001), Integrated Learning For ERP Success: A Learning Requirements Planning Approach, St. Lucie Press, London

St. Lucie Press, London

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