

RENCANA PEMBELAJARAN SEMESTER (RPS)

SEMINAR



Oleh:

Prof. Ir. Waluyo Adi Siswanto, M.Sc., Ph.D

UNIVERSITAS MUHAMMADIYAH SURAKARTA

2025.1



UNIVERSITAS MUHAMMADIYAH SURAKARTA

PROGRAM STUDI MAGISTER TEKNIK MESIN

FM-UMS-AA-FPU-PPK-02/
R0

RENCANA PEMBELAJARAN SEMESTER

MATA KULIAH (MK)		KODE	Rumpun MK	Bobot (sks)		SEMESTER	Tgl Penyusunan	
Seminar		30110101	None	T=2	P=0	3	2025	
OTORISASI		Pengembang RPS		Koordinator RMK		Ketua Program Studi		
		Prof. Ir. Waluyo Adi Siswanto, M.Sc., Ph.D				Prof. Ir. Waluyo Adi Siswanto, M.Sc., Ph.D		
Programme Learning (PL)	PLO-Prodi yang dibebankan pada MK							
	PLO3	Memiliki kreatifitas dan jiwa inisiatif dalam setiap tugas yang diembannya						
	PLO4	Menerapkan pengetahuan keteknikan otomotif manufaktur dan penggunaan analisis matematika untuk menyelesaikan masalah industry dan masyarakat yang berkaitan dengan otomotif manufaktur melalui penelitian yang terencana						
	PLO5	Mengidentifikasi, menganalisis, merumuskan dan menyelesaikan masalah bidang otomotif manufaktur yang melibatkan berbagai bidang ilmu dan Menyusun roadmap pengembangan lanjut						
	PLO6	Mengembangkan jaringan kerja (networking) dan Kerjasama dalam tim multidisiplin dengan mengedepankan komunikasi yang efektif						
	Course Learning Outcomes (CLO)							
	CLO 1	Mendiseminasikan hasil riset melalui presentasi dan publikasi pada seminar nasional atau internasional.					PLO3,	
	CLO 2	Menyiapkan materi paparan presentasi berbasis penelitian tesis.					PLO4,	
	CLO 3	Menerapkan teknik menulis artikel ilmiah untuk keperluan seminar maupun jurnal.					PLO5,	
	CLO 4	Mempublikasikan artikel ilmiah hasil penelitian pada jurnal nasional atau international.					PLO6,	
	Kemampuan akhir tiap tahapan belajar (Sub-CLO)							
	Sub-CLO 1	Penulisan tesis bab 1 dan 2					CLO 1	
	Sub-CLO 2	Penulisan tesis bab 1, 2 dan 3					CLO 2	
	Sub-CLO 3	Penulisan tesis semua bab					CLO 3	
	Sub-CLO 4	Presentasi tesis					CLO 4	
	Deskripsi Singkat MK							
	Bahan Kajian: Materi Pembelajaran	Materi perkuliahan ini meliputi: 1.Introduction 1.1 Thesis and dissertation 1.2. Research and technical report 1.3. Seminar and publication						

2. Scientific articles and Seminar 2.1 Conferences and manuscript preparation 2.2 Proceedings 2.3 A review process for International conferences 2.4 Slide and oral presentation 3. Scientific articles and Journals 3.1. Research papers and style 3.2. Review articles and style 3.3. High impact journals 3.4. Journals and index 4. Writing skills and IMRAD style 4.1 Abstract 4.2 Introduction and literature review 4.3 Materials and the proposed method 4.4 Discussion and critical thinking 4.5 Conclusions 4.6 Acknowledgments 4.7 Authorships and research funding 4.8 Conflicts of Interest 5.1 Research data and supplementary materials 5.3 Data and figures 5.4 Graphical abstract and tools 5.5 Efficiency in working with data 6. Citation and references manager 6.1 The best strategy in citation 6.2. Citation and style 6.3. Reference management software 7. How to get a paper published 7.1. What do editors want? 7.2. Why do editors reject a manuscript? 7.3. Targeted conference/journal 7.4. Manuscript preparation 7.5. Cover letter 7.6. Submission process 7.7. How to respond to review comments 8. Research and publication ethics 8.1. Research ethics 8.2. Publication ethics 8.3. Copyright					
Pustaka		Utama:			
		1. Vinayak Bairagi and Mousami V. Munot, Research Methodology: A Practical and Scientific Approach, CRC Press, 2019. 2. Peter Pruzan, Research Methodology: The Aims, Practices, and Ethics of Science, Springer International Publishing, 2016. 3. Leonard A. Jason, David S. Glenwick, Handbook of Methodological Approaches to Community-Based Research: Qualitative, Quantitative, and Mixed Methods, Oxford University Press, 2016. 4. Carol Ellison, McGraw-Hill's Concise Guide to Writing Research Papers, McGraw-Hill, 2010			
		Pendukung:			
Dosen Pengampu		Prof. Ir. Waluyo Adi Siswanto, M.Sc., Ph.D			
Matakuliah syarat		Tidak ada			
Minggu Ke	Kemampuan akhir tiap tahapan belajar (Sub-CLO)	Penilaian	Bentuk Pembelajaran, Metode Pembelajaran,	Materi Pembelajaran [Pustaka]	Bobot Penilaian(%)

		Indikator	Kriteria & Teknik	Penugasan Mahasiswa, [Estimasi Waktu]		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1 2 3 4	Penulisan tesis bab 1 dan 2	Selesai penulisan bab 1 dan 2	Kriteria: Kelengkapan penulisan bab 1 dan 2 Teknik Penilaian: tes tertulis, Bentuk: rubrik,	Teknik Pembelajaran: Luring Bentuk Pembelajaran: Kuliah PB: 3x50 Metode Pembelajaran: studi kasus, Penugasan: Penulisan tesis bagian 1 (bab 1 dan 2) PT=3x70 KM=3x70	1.Introduction 1.1 Thesis and dissertation 1.2. Research and technical report 1.3. Seminar and publication 2. Scientific articles and Seminar 2.1 Conferences and manuscript preparation 2.2 Proceedings 2.3 A review process for International conferences 2.4 Slide and oral presentation [1. Vinayak Bairagi and Mousami V. Munot, Research Methodology: A Practical and Scientific Approach, CRC Press, 2019.]	25%
5 6 7 9	Penulisan tesis bab 1, 2 dan 3	Selesai penulisan bab 1,2, dan 3	Kriteria: Kelengkapan penulisan bab 1,2, dan 3 Teknik Penilaian: tes tertulis, Bentuk: rubrik,	Teknik Pembelajaran: Luring Bentuk Pembelajaran: Kuliah PB: 3x50 Metode Pembelajaran: studi kasus, Penugasan: Penulisan tesis (bab 1,2, dan 3) PT=3x70 KM=3x70	3. Scientific articles and Journals 3.1. Research papers and style 3.2. Review articles and style 3.3. High impact journals 3.4. Journals and index 4. Writing skills and IMRAD style 4.1 Abstract 4.2 Introduction and literature review 4.3 Materials and the proposed method 4.4 Discussion and critical thinking 4.5 Conclusions 4.6 Acknowledgments 4.7 Authorships and research funding 4.8 Conflicts of Interes [1. Peter Pruzan, Research Methodology: The Aims, Practices, and Ethics of Science, Springer International Publishing, 2016.]	25%
8	Evaluasi Tengah Semester / Ujian Tengah Semester					
10 11 12	Penulisan tesis semua bab	Selesai penulisan (semua bab)	Kriteria: Kelengkapan penulisan (semua bab) Teknik Penilaian: tes tertulis, Bentuk: rubrik,	Teknik Pembelajaran: Luring Bentuk Pembelajaran: Kuliah PB: 3x50 Metode Pembelajaran: studi kasus, Penugasan: Penulisan tesis bagian 3 (semua bab) PT=3x70 KM=3x70	5. Artwork and Figures 5.1 Research data and supplementary materials 5.3 Data and figures 5.4 Graphical abstract and tools 5.5 Efficiency in working with data 6. Citation and references manager 6.1 The best strategy in citation 6.2. Citation and style 6.3. Reference management software [1. Leonard A. Jason, David S. Glenwick, Handbook of Methodological Approaches to	25%

					Community-Based Research: Qualitative, Quantitative, and Mixed Methods, Oxford University Press, 2016.]	
13 14 15	Presentasi tesis	Selesai mempresentasikan tesis	Kriteria: Kelengkapan penulisan tesis Teknik Penilaian: tes tertulis, Bentuk: rubrik,	Teknik Pembelajaran: Luring Bentuk Pembelajaran: Kuliah PB: 3x50 Metode Pembelajaran: studi kasus, Penugasan: Mempresentasikan hasil tesis PT=3x70 KM=3x70	7. How to get a paper published 7.1. What do editors want? 7.2. Why do editors reject a manuscript? 7.3. Targeted conference/journal 7.4. Manuscript preparation 7.5. Cover letter 7.6. Submission process 7.7. How to respond to review comments 8. Research and publication ethics 8.1. Research ethics 8.2. Publication ethics 8.3. Copyright [1. Carol Ellison, McGraw-Hill's Concise Guide to Writing Research Papers, McGraw-Hill, 2010]	25%
16	Evaluasi Akhir Semester / Ujian Akhir Semester					