



**PROGRAM STUDI TEKNIK INDUSTRI
FAKULTAS SAINS DAN TEKNOLOGI
UNIVERSITAS PGRI YOGYAKARTA**

KONTRAK PERKULIAHAN

Nama Dosen : Guntur Samodro, S.T., M.T.
Mata Kuliah : Penelitian Operasional 2
Program Studi : Teknik Industri
Kelas/Angkatan : A1/2021
Semester : 5 (Lima)
Tahun Akademik : 2023/2024

Deksripsi Mata Kuliah :

Mata kuliah ini mempelajari tentang Penelitian Operasional (*Operational Research*)

Capaian Pembelajaran/*Learning Outcome*:

Setelah mengikuti pembelajaran dengan tuntas, mahasiswa diharapkan mampu memahami teori dan konsep tentang Penelitian Operasional (*Operational Research*), Teori Antrian,, *Under Risk*, *Game Theory*, *Uncertainty* dan Konsep Rantai Markov.

***Softskills* :**

Mahasiswa dapat memahami konsep dan dasar-dasar tentang tentang Penelitian Operasional (*Operational Research*)

Bahan Kajian:

Penelitian Operasional (*Operational Research*), Teori Antrian,, *Under Risk*, *Game Theory*, *Uncertainty* dan Konsep Rantai Markov.

Ketentuan:

1. Kehadiran perkuliahan tatap muka minimal 75% dari total tatap muka
2. Toleransi keterlambatan perkuliahan tatap muka maksimal 30 menit
 - a. Mahasiswa terlambat lebih dari 30 menit, tidak diperkenankan ikut kuliah (kecuali ada alasan yang diterima dosen)
 - b. Dosen terlambat lebih dari 30 menit, kuliah ditiadakan (kecuali ada pemberitahuan kepada mahasiswa) dan diganti hari lain
3. Dalam perkuliahan dan konsultasi dilakukan dengan sopan (cara berpakaian dan berkomunikasi)
4. Mahasiswa wajib mengikuti UAS
5. Penilaian Hasil Belajar total bobot 100%, dengan rincian sebagai berikut:

No	Uraian	Bobot
1	Quiz	10
2	Tugas & Presentasi	40
3	Kehadiran	10
4	Partisipasi & Keaktifan di Kelas	30
5	Ujian Akhir Semester (UAS)	10
	TOTAL	100

Yogyakarta, 12 September 2023

Ketua Program Studi

Dosen Pengampu

Ketua Kelas/Angkatan





Yaning Tri Hapsari, M.Sc.
NIS. 198512092016042002

Guntur Samodro, M.T.
NIS. 198910262019101005

LANNISA PRASTIWI
NPM 21111200007



Universitas PGRI Yogyakarta

Jl. PGRI I Sonosewu No. 117 Yogyakarta Telp. 0274-376808, 373198 Fax. 0274-376808

DAFTAR HADIR KULIAH

Program Studi : TEKNIK INDUSTRI
Tahun Akademik : 2023/2024
Semester : GASAL
Dosen : GUNTUR SAMODRO [0526108903]

Kode Matakuliah : TKM12123
Matakuliah : PENELITIAN OPERASIONAL 2
Bobot : 3 SKS
Kelas : 21.A1

Semester : 5
Hari : -
Pukul : 00:00 s.d. 00:00
Ruang :

No	NP Mahasiswa	Nama Mahasiswa	B/U/P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Jumlah Hadir	% Hadir
1	21111200001	RIDWAN WIDIATMOKO		Sen	Sen	Sen	Sen	Sen	Sen	Sen	Sen	Sen	Sen	Sen	Sen	-	Sen	Sen	14	93
2	21111200003	DWI SETIAWAN		Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	15	100
3	21111200007	ANNISA PRASTIWI		Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	14	93
4	21111200009	MAFAS FUQIA HUSNI		Mut	Mut	Mut	Mut	Mut	Mut	Mut	Mut	Mut	-	Mut	Mut	Mut	Mut	Mut	14	93
5	21111200010	MUHAMMAD ZAIDAN ERVIANSYAH		Zai	Zai	Zai	-	Zai	Zai	Zai	Zai	Zai	Zai	Zai	Zai	Zai	Zai	-	13	87
6	21111200013	MUHAMMAD FAJAR SHODIQ		Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	14	93
7	21111200015	MUCH DWI AJI PRADANANG		Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	14	93
8	21111200018	AGENG NURPAGI DIASMARA		Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	-	-	-	-	11	73
9	21111200023	WAHYU AFREZA		Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	Had	14	93



PRESENSI DOSEN MENGAJAR

TA. 2023/2024 Sem. GASAL

Program Studi : TEKNIK INDUSTRI
Matakuliah : PENELITIAN OPERASIONAL 2 [TKM12123]
Bobot : 3 SKS
Dosen : GUNTUR SAMODRO [0526108903]

Kelas : 21.A1
Hari : -
Pukul : 00:00 s.d. 00:00
Ruang :

Pert	Tanggal	Pokok Bahasan	Sub-Pokok Bahasan	Jml Mhs	Paraf
I	12/09 '23	Introduction	- Kuliah Pengantar - Kontran Perkuliahan	9	4
II	13/09 '23	Teori Antrian	Teori Antrian	9	4
III	26/09 '23	Teori Antrian (II)	- Simulasi - Monte Carlo	9	4
IV	03/10 '23	Under Risk	Under Risk	9	4
V	10/10 '23	Under Risk (II)	Under Risk (II)	9	4
VI	17/10 '23	Under Risk (III)	Under Risk (III)	9	4
VII	24/10 '23	Quiz Tengah semester	Quiz Tengah semester	9	4
VIII	31/10 '23	Game Theory	Game Theory	9	4
IX	07/11 '23	Game Theory (II)	Game Theory (II)	9	4
X	14/11 '23	Game Theory (III)	Game Theory (III)	9	4
XI	21/11 '23	Uncertainty	Uncertainty	9	4
XII	28/11 '23	Uncertainty (II)	Uncertainty (II)	9	4
XIII	05/12 '23	Rantai Markov	Rantai Markov	9	4
XIV	12/12 '23	Rantai Markov II	Rantai Markov II	9	4
XV	19/12 '23	Review dan Latihan soal	Review dan Latihan soal	9	4



PRESENSI UJIAN AKHIR SEMESTER GASAL
TAHUN AKADEMIK 2023/2024

Program Studi : TEKNIK INDUSTRI - S1
Matakuliah : PENELITIAN OPERASIONAL 2
Kode MK : TKM12123
Dosen : GUNTUR SAMODRO, S.T.,M.T

Kelas : 21.A1
Ruang : 403
Hari/Tanggal : Rabu, 03-01-2024
Waktu : 09:45 - 11:15

Table with 6 columns: No, NPM, Nama Mahasiswa, B/U/P, Tanda Tangan, Nilai. Contains 9 rows of student data with handwritten signatures and grades.

Pengawas

- 1. Guntur S
2.
3.
4.

(Handwritten signature and four horizontal lines for additional names)

Yogyakarta, 03-01-2024

(Handwritten signature of Guntur Samodro)

GUNTUR SAMODRO, S.T.,M.T