

**DAFTAR PENGISIAN MATERI KULIAH DOSEN MENGAJAR
SEMESTER GENAP TAHUN AKADEMIK 2019 / 2020
PROGRAM STUDI TEKNIK ELEKTRO**

Mata Kuliah : Metodologi Penelitian
Dosen : Ir. Rachman Soleman. MT.

Hari : Rabu
J a m : 17.30 - 19.00
Kelas : S

CIKINI

No.	Tanggal	Materi Kuliah	Jam Masuk / Keluar	Jml Mhs	Tanda Tangan
1	11-Mar-20	Preface. 1 Curiosity and research 1 1.1 Course goals 1	17.30-19.00		1
2	18-Mar-20	1.2 Kinds of questions 1. 1.3 Research methods for science 3 1.4 Putting methods together 1.5. Assignments			2
3	25-Mar-20	2 Overview of experimental analysis and design 18 2.1 Hypothesis-driven experiments 18	17.30-19.00		3
4	1-Apr-20	2.2 Measuring values 30 .2.3 Improving experiments 39 2.4 Safety and ethics 43 .Assignments			4
5	8-Apr-20	3 Statistics 51 3.1 Motivations for statistics 51	17.30-19.00		5
6	15-Apr-20	3.2 Reducing many numbers to few 55 3.3 Probability distributions 61 3.4 Connecting data and probability distributions 70			6
7	22-Apr-20	3.5 What happens to averages as N increases 75 3.6 Central Limit Theorem 81	17.30-19.00		7
	29-Apr-20	Ujian Tengah Semester (UTS)			8
8	6-May-20	3.7 Comparing many experimental measurements 92 3.8 Data with many values of independent variable 97 3.9 Other statistical tests 105 Assignments 105	17.30-19.00		9
9	13-May-20	4 Mathematical models 112 4.1 Ingredients of mathematical modeling 112 4.2 Estimation 121 4.3 Linear regression 125			10
10	3-Jun-20	4.4 Matching arbitrary functions to data 128 4.5 Fourier transforms 133. 4.6 Deterministic modeling 136 Assignments 146	17.30-19.00		11
11	10-Jun-20	5 Scientific information 151 5.1 Introduction 151 5.2 Writing a proposal 151			12
12	17-Jun-20	5.3 Writing scientific papers 152 5.4 Scientific figures 161 5.5 Giving scientific presentations 166 5.6 Searching for scientific information 168	17.30-19.00		13
13	24-Jun-20	5.7 Obtaining scientific articles 172 5.8 Reading scientific papers 173			14
14	1-Jul-20	5.9 Final words 177 Assignments 178	17.30-19.00		15
	8-Jul-20	Ujian Akhir Semester (UAS)			16

Research Methods for Science
MICHAEL P. MARDER
The University of Texas at Austin



Jakarta. 02 Maret 2020

Mengetahui :

KETUA JURUSAN

(Ir. HARLAN EFENDI. MT.)

Dosen Mengajar

(RACHMAN SOLEMAN. Ir. MT.)



Dosen :: H. Rachman Soleman, Ir. MT. :: 0186540 ::

KODEMK : 224008
MATAKULIAH : Metodologi Penelitian
KELAS : S
PESERTA : 1
KURIKULUM : 2018
PROGRAM STUDI : Teknik Elektro S1

PROGRAM PERKULIAHAN : Kampus ISTN CIKINI
PERIODE AKADEMIK : Genap 2019/2020 Cikini
JADWAL : Rabu - 17:30-19:00 (2D)

Perkuliahan	TANGGAL PERTEMUAN	JAM	HADIR	TIDAK HADIR
PERTEMUAN 1	11/3/2020	17:30-19:00	1	0
PERTEMUAN 2	18/03/2020	17:30-19:00	1	0
PERTEMUAN 3	25/03/2020	17:30-19:00	1	0
PERTEMUAN 4	1/4/2020	17:30-19:00	1	0
PERTEMUAN 5	8/4/2020	17:30-19:00	1	0
PERTEMUAN 6	15/04/2020	17:30-19:00	1	0
PERTEMUAN 7	22/04/2020	17:30-19:00	1	0
PERTEMUAN 8	29/04/2020	17:30-19:00	0	1
PERTEMUAN 9	6/5/2020	17:30-19:00	0	1
PERTEMUAN 10	13/05/2020	17:30-19:00	0	1
PERTEMUAN 11	3/6/2020	17:30-19:00	0	1
PERTEMUAN 12	10/6/2020	17:30-19:00	0	1
PERTEMUAN 13	17/06/2020	17:30-19:00	1	0
PERTEMUAN 14	24/06/2020	17:30-19:00	0	1
PERTEMUAN 15	1/7/2020	17:30-19:00	0	1
PERTEMUAN 16	8/7/2020	17:30-19:00	1	0

DAFTAR NILAI

SEMESTER GENAP REGULER TAHUN 2019/2020

Program Studi : Teknik Elektro S1
Matakuliah : Metodologi Penelitian
Kelas / Peserta : S
Perkuliahan : Kampus ISTN Cikini
Dosen : H. Rachman Soleman, Ir. MT.

Hal. 1/1

No	NIM	N A M A	ABSEN	TUGAS	UTS	UAS	MODEL	PRESENTASI	NA	HURUF
			25%	25%	25%	25%	0%	0%		
1	16221722	Fransiscus Xaverius Ryan Winnetou	56	2	70	2	0	0	32.5	E

Rekapitulasi Nilai							
A	0	B+	0	C+	0	D+	0
A-	0	B	0	C	0	D	0
		B-	0	C-	0	E	1

Jakarta, 16 August 2020

Dosen Pengajar


H. Rachman Soleman, Ir. MT.