

Dosen : Dr. Windu Gata, M.Kom
 Mata Kuliah : Algorithm And Complexity
 SKS : 3 SKS
 Kelas : 14.1B.10
 Mahasiswa : 39

Pertemuan	Ruangan	Tanggal	Kajian	Berita Acara	Kehadiran
1	KG.M-028.10.A	19-Sep-20	Introduction and Preliminaries 1 The subject of complexity theory 2 Some notation and definitions	introduction and preliminaries	Telat 3 Menit Jadwal 10: 20 Masuk 10:23 Keluar 12:55
2	KG.M-028.10.A	26-Sep-20	Models of Computation 1 Finite automata 2 The Turing machine 3 The Random Access Machine 4 Boolean functions and Boolean circuits	models of computations	Telat 2 Menit Jadwal 10: 20 Masuk 10:22 Keluar 12:51
3	KG.M-028.10.A	03-Oct-20	Algorithmic decidability 1 Recursive and recursively enumerable languages 2 Other undecidable problems 3 Computability in logic	computation with resource bounds	Tepat waktu Jadwal 10:20 Masuk 10:20 Keluar 12:48
4	KG.M-028.10.A	10-Oct-20	Computation with resource bounds 1 Time and space 2 Polynomial time I Algorithms in arithmetic 3 Polynomial time II Graph algorithms 4 Polynomial space	decision tree	Telat 1 Menit Jadwal 10:20 Masuk 10:21 Keluar 12:43
5	KG.M-028.10.A	17-Oct-20	General theorems on space and time complexity 1 Time 2 Time-constructible and well-computable functions 3 Space versus time	decidability	Telat 2 Menit Jadwal 10:20 Masuk 10:22 Keluar 12:47
6	KG.M-028.10.A	24-Oct-20	Non-deterministic algorithms 1 Non-deterministic Turing machines 2 Witnesses and the complexity of non-deterministic algorithms 3 General results on nondeterministic complexity classes 4 Examples of languages in NP 5 NP-completeness 6 Further NP-complete problems	non-deterministic algorithm	Telat 2 Menit Jadwal 10:20 Masuk 10:22 Keluar 12:46

Pertemuan	Ruangan	Tanggal	Kajian	Berita Acara	Kehadiran
7	KG.M-028.10.A	07-Nov-20	Review Pertemuan 1-6	review materi 1-6	Telat 4 Menit Jadwal 10:20 Masuk 10:24 Keluar 12:38
8	KG.M-028.10.A		(UTS)	-	-
9	KG.M-028.10.A	14-Nov-20	Randomized algorithms 1 Verifying a polynomial identity 2 Prime testing 3 Randomized complexity classes	randomized algorithm	Tepat Waktu Jadwal 10:20 Masuk 10:20 Keluar 12:55
10	KG.M-028.10.A	21-Nov-20	Information complexity and the notion of randomness 1 Process Overview 2 Measuring information complexity 3 Self-delimiting information complexity 4 The notion of a random sequence 5 Kolmogorov complexity and data compression	information complexity pseudo-random numbers	Tepat Waktu Jadwal 10:20 Masuk 10:20 Keluar 12:45
11	KG.M-028.10.A	28-Nov-20	Pseudo-random numbers 1 Classical methods 2 The notion of a pseudorandom number generator 3 One-way functions 4 Random number generators and one-way functions An application of complexity cryptography 1 A classical problem 2 A simple complexity-theoretic model 3 Public-key cryptography 4 The Rivest-Shamir-Adleman code	cryptography	Telat 5 Menit Jadwal 10:20 Masuk 10:25 Keluar 13:01
12	KG.M-028.10.A	05-Dec-20	An application of complexity cryptography 1 A classical problem 2 A simple complexity-theoretic model 3 Public-key cryptography 4 The Rivest-Shamir-Adleman code	parallel algorithm	Telat 6 Menit Jadwal 10:20 Masuk 10:26 Keluar 13:00

Pertemuan	Ruangan	Tanggal	Kajian	Berita Acara	Kehadiran
13	KG.M-028.10.A	12-Dec-20	Parallel algorithms Decision trees and Communication complexity 1 Parallel random access machines 2 The class NC 3 Algorithms using decision trees 4 The notion of decision trees 5 Nondeterministic decision trees 6 Lower bounds on the depth of decision trees 7 Algebraic decision trees 8 Communication matrix and protocol-tree 9 Non-deterministic communication complexity 10 Randomized protocols	introduction to machine learning algorithm	Telat 15 Menit Jadwal 10:20 Masuk 10:35 Keluar 13:00
14	KG.M-028.10.A	19-Dec-20	Randomized protocols The complexity of algebraic computations Circuit complexity 1 How to save the last move in chess 2 How to check a password without knowing it 3 How to use your password without telling it 4 How to prove non-existence 5 How to handle submissions that keep the main result secret 6 How to referee exponentially long papers 7 Lower bound for the Majority Function 8 Monotone circuits	Algebraic	Tepat Waktu Jadwa 10:20 Jadwal 10:20 Keluar 12:55
15	KG.M-028.10.A	09-Jan-21	Review Pertemuan 9-14	Review	Telat 5 Menit Jadwal 10:20 Masuk 10:25 Keluar 13:01
16	KG.M-028.10.A		Ujian Akhir Semester	-	-

Kehadiran 14.1B.10

#	Nim	Nama MHS	Kelas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Jumlah
1	14002437	ARIF BUDIARTO	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	14
2	14002442	EKO RAMANUDIN	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	14
3	14002447	MUHAMMAD NUR HIDAYAH	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	0	1	1	0	12

#	Nim	Nama MHS	Kelas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Jumlah
4	14002450	MUHIDIN	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	14
5	14002456	SISKA RAHMADANI	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	14
6	14002461	TETRA WIDIANTO	14.1B.10	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	13
7	14002462	AGUS SALIM	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	14
8	14002466	CICIH SRI RAHAYU	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	14
9	14002471	SUPRIADI PANGGABEAN	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	14
10	14002600	IDHAM	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	13
11	14002601	NURULHUDA SANTO PRASETYO, S.SOS	14.1B.10	1	1	1	1	1	0	1	0	0	1	0	0	0	0	0	7
12	14002604	IFNU ABDUL AZIZ ABDULLAH	14.1B.10	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	13
13	14002605	ROBBY SUGARA EKO PUTRO	14.1B.10	0	1	1	0	1	1	1	0	0	1	1	1	1	1	1	11
14	14002606	MUH. HAQQAL	14.1B.10	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	8
15	14002607	BAMBANG JOKO TRIWIBOWO	14.1B.10	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	13
16	14002608	HERMAN DIANTO, SE	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	0	0	1	0	11
17	14002609	DEVIANA SELY WITA	14.1B.10	1	1	0	1	1	1	1	0	1	1	0	0	1	1	1	11
18	14002610	SURYA FAJAR SAPUTRA	14.1B.10	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	12
19	14002611	DEWI APRIYANI, S.PD, SE	14.1B.10	1	1	1	0	1	1	1	0	1	0	0	0	0	0	0	7
20	14002612	DEDI PRIANSYAH	14.1B.10	0	1	1	1	1	1	1	0	1	1	1	1	0	1	1	12
21	14002614	NUR AINI	14.1B.10	0	1	0	1	1	1	1	0	1	1	0	0	1	1	1	10
22	14002615	MUHAMMAD ADE SAPUTRA	14.1B.10	1	1	1	0	1	1	1	0	1	1	0	1	1	1	0	11
23	14002616	MUHAMMAD IRWAN WAHID	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	14
24	14002617	HERWIN MARDHANA	14.1B.10	1	1	1	1	1	1	1	0	1	0	1	1	0	0	0	10
25	14002619	ANDY	14.1B.10	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	8
26	14002621	MUHAMMAD SYAHRANI	14.1B.10	1	1	1	1	1	1	1	0	0	1	0	0	1	1	1	11
27	14002622	HARMING PUJA KEKAL	14.1B.10	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	13
28	14002623	DELVINA TRI AGUSTIN. S.IKOM	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	14
29	14002624	FAHRUL ROZI	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	13
30	14002625	SUPRIHNIATI	14.1B.10	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	8
31	14002626	HANI SUBAKTI	14.1B.10	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	13
32	14002627	BAHRUL MUHID	14.1B.10	1	1	0	1	1	1	1	0	1	1	0	0	0	0	0	8
33	14002629	CHANDRA NUGRAHA	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	13

#	Nim	Nama MHS	Kelas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Jumlah
34	14002630	FITRI YANI NURHASANAH	14.1B.10	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	13
35	14002631	MUH. JAMIL	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	13
36	14002632	ANDI JATI SETYO RINI	14.1B.10	1	1	1	1	1	1	1	0	1	1	0	1	1	0	0	11
37	14002633	KUSNADI	14.1B.10	0	1	1	1	1	1	1	0	1	1	0	1	1	1	1	12
38	14002634	YUSUF ARIF SETIAWAN	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	14
39	14002635	FARISZAL NOVA ARVIANTINO	14.1B.10	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	14

Nilai Kelas 14.1B.10

#	NIM	NAMA	Presensi	Tugas	UTS	UAS	Grade
1	14002437	arif budiarto	100	100	90	90	A
2	14002442	eko ramanudin	100	100	99	99	A
3	14002447	muhammad nur hidayah	86	0	0	0	E
4	14002450	muhidin	100	100	93	93	A
5	14002456	siska rahmadani	100	100	99	99	A
6	14002461	tetra widiyanto	93	100	95	95	A
7	14002462	agus salim	93	100	87	87	A
8	14002466	cicih sri rahayu	100	100	99	99	A
9	14002471	supriadi panggabean	100	100	93	93	A
10	14002600	idham	93	100	87	87	A
11	14002601	nurulhuda santo prasetyo s sos	50	0	0	0	E
12	14002604	ifnu abdul aziz abdullah	93	100	76	76	A-
13	14002605	robby sugara eko putro	79	0	0	0	E
14	14002606	muh haqqal	64	0	0	0	E

#	NIM	NAMA	Presensi	Tugas	UTS	UAS	Grade
15	14002607	bambang joko triwibowo	93	100	86	86	A
16	14002608	herman dianto se	79	0	0	0	E
17	14002609	deviana sely wita	100	100	86	86	A
18	14002610	surya fajar saputra	86	100	99	99	A
19	14002611	dewi apriyani s pd se	50	0	0	0	E
20	14002612	dedi priansyah	86	0	90	90	B-
21	14002614	nur aini	79	76	76	76	B+
22	14002615	muhammad ade saputra	79	0	0	0	E
23	14002616	muhammad irwan wahid	100	0	0	0	E
24	14002617	herwin mardhana	71	0	0	0	E
25	14002619	andy	57	0	0	0	E
26	14002621	muhammad syahrani	79	100	86	86	A
27	14002622	harming puja kekal	93	100	86	86	A
28	14002623	delvina tri agustin s ikom	100	100	99	99	A
29	14002624	fahrul rozi	93	100	93	93	A
30	14002625	suprihniati	57	0	0	0	E
31	14002626	hani subakti	93	100	86	86	A
32	14002627	bahrul muhid	57	0	0	0	E
33	14002629	chandra nugraha	93	100	86	86	A
34	14002630	fitri yani nurhasanah	93	100	92	88	A
35	14002631	muh jamil	93	100	97	87	A
36	14002632	andi jati setyo rini	79	100	99	0	B-

#	NIM	NAMA	Presensi	Tugas	UTS	UAS	Grade
37	14002633	kusnadi	86	100	90	93	A
38	14002634	yusuf arif setiawan	100	100	76	76	A
39	14002635	farisza nova arviantino	100	100	88	88	A