



PORTFOLIO
Department of Agrotechnology
Faculty of Agriculture
University of Islam Malang

Subject	Agricultural Ecology
Module Level, if available	Undergraduate Program
Subject Code	MKK4115
Type of course	Applied Science
Credits	3 credits/ 5.1 ECTS
Semester	3
Prerequisite	Agronomy Basic
Parallel Class	A, B, C
Module Description	The Agricultural Ecology course provides students with an understanding of the concepts and principles of ecology in agriculture, environmental factors including biotic and abiotic then affect to plant growth, environmental factors at the individual plant level as well as population and community level, and can plan and manage a sustainable agriculture.
Learning Outcomes	<p>Course Learning Outcomes (CLO)</p> <p>CLO 1: Able to study the principles of ecology</p> <p>CLO 2: Able to study the basic concepts and theoretical frameworks of agricultural ecology</p> <p>CLO 3: Able to analyze agricultural systems (agroecosystem)</p> <p>CLO 4: Able to study the relationship between plants and environmental factors both abiotic and biotic</p> <p>CLO 5: Able to manage genetic resources</p> <p>CLO 6: Able to manage the benefits of complexity and role of cooperation and mutualism in sustainable agriculture</p>
Learning Content	<ol style="list-style-type: none"> 1. INTRODUCTION (Scope of Agricultural Ecology) 2. AGROECOSYSTEM CONCEPT 3. PLANT RESPONSE AND ENVIRONMENTAL FACTORS 4. ABIOTIC ENVIRONMENTAL FACTORS (Light) 5. ABIOTIC ENVIRONMENTAL FACTORS (Temperature, Humidity) 6. SUSTAINABLE ENERGY IN AGROECOSYSTEMS 7. GENETIC RESOURCES IN AGROECOSYSTEMS 8. BIOTIC ENVIRONMENTAL FACTORS 9. ENVIRONMENTAL COMPLEXITY 10. POPULATION PROCESSES IN AGRICULTURE 11. SPECIES INTERACTION IN THE PLANT COMMUNITY 12. AGROECOSYSTEM DISORDERS, SUCCESS AND MANAGEMENT 13. AGROECOSYSTEM DIVERSITY AND STABILITY 14. INTERACTION BETWEEN AGROECOSYSTEMS AND NATURAL ECOSYSTEMS
Aims	Agricultural Ecology course as basic knowledge in the management of Natural Resources to support sustainable agricultural systems.

Teaching Methods	Teaching methods in the classroom in theory (60%) and practice (40%)
Participant	<ul style="list-style-type: none"> • A class: 30 students in total • B class: 35 students in total • C class: 30 students in total
Teaching Attendance	<p>14 meetings were completely held (100%) by lecturer (A, B, C classes)</p> <p>From 30 students, 30 student were below 100% of attendance (A class)</p> <p>From 35 students, 33 student were below 100% of attendance (B class)</p> <p>From 30 students, 30 student were below 100% of attendance (C class)</p>
Evaluation System	Component of assessment on this course consist of regular assignment, midle semester test and final semester test, presence and practice. All these components are then combined to obtain final score. Scoring matrices and question samples are available in Appendix 1 and Appendix 2
Learning Result	<ul style="list-style-type: none"> • Achievement CLO in A Class <ul style="list-style-type: none"> CLO 1 = 88.00 (Excellent) CLO 2 = 97.00 (Excellent) CLO 3 = 90.00 (Excellent) CLO 4 = 100.00 (Excellent) CLO 5 = 89.00 (Excellent) CLO 6 = 99.00 (Excellent) • Achievement CLO in B Class <ul style="list-style-type: none"> CLO 1 = 100.00 (Excellent) CLO 2 = 100.00 (Excellent) CLO 3 = 100.00 (Excellent) CLO 4 = 100.00 (Excellent) CLO 5 = 100.00 (Excellent) CLO 6 = 100.00 (Excellent) • Achievement CLO in C Class <ul style="list-style-type: none"> CLO 1 = 94.00 (Excellent) CLO 2 = 100.00 (Excellent) CLO 3 = 100.00 (Excellent) CLO 4 = 100.00 (Excellent) CLO 5 = 96.00 (Excellent) CLO 6 = 100.00 (Excellent) <p>Complete achievement on average CLO can be seen on Appendix 3</p>
Statistical Distribution	<ul style="list-style-type: none"> • A Class, score distribution: A = 13 students (43%), B = 11 students (40%), C = 1 student (10%), D = 0 student (0%), E = 2 student (7%) • B Class, score distribution: A = 15 students (43%), B = 11 students (31%), C = 7 student (20%), D = 1 student

	<p>(3%), E = 1 student (3%)</p> <ul style="list-style-type: none"> • C Class, score distribution: A = 17 students (57%), B = 10 students (33%), C = 3 student (10%), D = 0 student (0%), E = 0 student (0%) <p>Complete achievement on each per student can be seen on Appendix 3</p>
Teaching Observation	<p>Materials were delivered in Indonesia. The student could understand the materials well.</p> <p>In A Class: there were 4 students poor on both CLO 1, 4 students poor on both CLO 2, 3 students poor on CLO 3, 3 students poor on CLO 4, 3 students poor on CLO 5, 3 students poor on CLO 6.</p> <p>In B Class: there were 1 students poor on both CLO 1, 1 students poor on both CLO 2, 1 students poor on CLO 3, 3 students poor on CLO 4, 3 students poor on CLO 5, 1 students poor on CLO 6.</p> <p>In C Class: there were 0 students poor on both CLO 1, 0 students poor on both CLO 2, 0 students poor on CLO 3, 1 students poor on CLO 4, 0 students poor on CLO 5, 0 students poor on CLO 6.</p>
Learning Constraints	<p>A, B, C Classes: Practice class can be make easy for student to understanding of materials class</p>
Recommendation	<p>A Class: Paying more attention for students who hardly understand the materials</p> <p>B Class and C class are better than A Class</p>

Appendix 1. Scoring Matrix

Nomenclature	Weight	Final Score	
		Letter Mark	Score average
Assignment	20%	A	80 – 100
Midle semester test	20%	B	70 - <80
Final semester test	20%	C	55 - <70
Practice	30%	D	50 - < 55
Presence	10%	E	0 - <50

Appendix 2. Question samples

Type A:

1. What is agricultural ecology? What are the biotic factors and their relationship with plants? (CLO 1, CLO 2)
2. Describe the characteristics of C3 plants? Give an example of a plant. (CLO 3)
3. State the benefits of the color spectrum of ultra violet and visible light on plants? (CLO 4)
4. Explain the process of wind and give an explanation of the benefits of wind on plant growth? (CLO 5)
5. Mention at least 3 advantages of mulching for plants? (CLO 6)

Type B:

1. What is agricultural ecology? What are the abiotic factors and their relationship to plants? (CLO 1, CLO 2)
2. Describe the characteristics of C4 plants? Give an example of a plant. (CLO 3)
3. State the benefits of the near infrared and far infrared color spectrum for plants? (CLO 4)
4. Explain the process of wind. Give an explanation of the benefits of angina on plant growth? (CLO 5)
5. Mention at least 3 disadvantages of acid rain for plants? (CLO 6)

Appendix 3. Achievement on each student A Class

REKAPITULASI NILAI AKHIR KELAS IIIA																																	
No.	NPM	Nama Mahasiswa	CLO 1	CLO 2	CLO 3	CLO 4	CLO 5	CLO 6	SUB-CPMK/BOBOT (NILAI HARIAN)												NILAI HARIAN (Assignment) (15%)	Midle Test (25%)	Final Test (25%)	Presence (10%)	Practice (25%)	Final Score							
			Score	Score	Score	Score	Score	Score	1		2		3		4		5		6							Angka	Huruf						
									10%	10%	10%	10%	25%	25%	20%																		
1	21801031001	PRADITA PRIMA DEVIYANT	86	85	83	80	84	82	85	8,50	84	8,40	86	8,60	84	21,00	82	20,50	80	16,00	83	83	90	100	90	88,20	A						
2	21801031003	BHISMA VEGISTA PUTRA PURWANT	85	83	83	81	84	82	85	8,50	83	8,30	85	8,50	82	20,50	84	21,00	81	16,20	83	53	80	94	87	76,85	B						
3	21801031004	FERI ADI KURNIAWAN	85	83	84	80	82	83	85	8,50	80	8,00	85	8,50	85	21,25	83	20,75	80	16,00	83	93	85	100	88	88,95	A						
4	21801031005	MUHAMMAD AGUNG HIDAYAT	86	83	83	80	84	82	85	8,50	84	8,40	86	8,60	85	21,25	81	20,25	80	16,00	83	50	85	100	84	77,20	B						
5	21801031006	MUHAMMAD FADIL	85	83	84	80	82	83	84	8,40	81	8,10	85	8,50	85	21,25	83	20,75	80	16,00	83	55	75	100	70	72,45	B						
6	21801031008	MUHAMMAD KHOIRURROZZIKIN	86	83	83	80	84	82	85	8,50	84	8,40	86	8,60	82	20,50	84	21,00	80	16,00	83	25	73	81	60	60,05	C						
7	21801031009	SINDRA	28	18	10	30	30	17	20	2,00	35	3,50	35	3,50	0	0,00	20	5,00	30	6,00	20	45	73	81	60	55,60	C						
8	21801031010	DEWI IANAH	84	84	84	80	83	83	83	8,30	83	8,30	84	8,40	85	21,25	83	20,75	80	16,00	83	85	80	100	87	85,45	A						
9	21801031011	USAGI FARROZIN SHIDQII	85	83	83	81	84	82	83	8,30	84	8,40	86	8,60	82	20,50	84	21,00	81	16,20	83	46	77	94	87	74,35	B						
10	21801031012	FITA FATMA PRATAMA	85	84	83	80	85	82	83	8,30	86	8,60	86	8,60	84	21,00	82	20,50	80	16,00	83	100	88	100	90	91,95	A						
11	21801031013	MUHAMMAD SYAH RIZAL	83	84	84	81	83	83	83	8,30	83	8,30	82	8,20	84	21,00	84	21,00	81	16,20	83	65	80	100	86	80,20	A						
12	21801031014	AL AMIN	83	84	84	80	84	83	83	8,30	84	8,40	83	8,30	85	21,25	83	20,75	80	16,00	83	78	60	88	78	75,25	B						
13	21801031016	MIKE SEPTIA PUTRI	83	84	84	80	84	83	83	8,30	85	8,50	82	8,20	85	21,25	83	20,75	80	16,00	83	50	77	94	88	75,60	B						
14	21801031017	MOCHAMAD ALEX	85	83	83	81	84	82	83	8,30	84	8,40	86	8,60	84	21,00	82	20,50	81	16,20	83	90	85	100	90	88,70	A						
15	21801031018	VIVI ALAYDA FATIKASARI	83	84	84	81	83	83	83	8,30	83	8,30	82	8,20	84	21,00	84	21,00	81	16,20	83	65	80	100	90	81,20	A						
16	21801031019	FAKHRURRAZI	0	0	0	0	0	0	0	0,00	0	0,00	0	0,00	0	0,00	0	0,00	0	0,00	0	0	0	63	0	6,30	E						
17	21801031020	ABDUL AJI	85	85	85	85	85	85	85	8,50	85	8,50	85	8,50	85	21,25	85	21,25	85	17,00	85	53	60	100	85	72,25	B						
18	21801031021	INDRA DWI AGUSTIN	86	85	84	85	87	84	85	8,50	88	8,80	87	8,70	86	21,50	82	20,50	85	17,00	85	95	85	100	90	90,25	A						
19	21801031023	LALU MUHAMMAD DAUD	85	85	85	86	85	85	85	8,50	85	8,50	85	8,50	84	21,00	85	21,25	86	17,20	85	58	80	81	86	76,84	B						
20	21801031024	ARIFATUS SOLIHA	87	85	85	83	86	84	88	8,80	85	8,50	86	8,60	86	21,50	84	21,00	83	16,60	85	93	83	100	88	88,75	A						
21	21801031025	RAGIL BHAKTI AJI	48	97	98	100	63	99	0	0,00	95	9,50	95	9,50	96	24,00	100	25,00	100	20,00	88	85	85	100	89	87,95	A						
22	21801031026	MUHAMMAD IRVAN	0	0	0	0	0	0	0	0,00	0	0,00	0	0,00	0	0,00	0	0,00	0	0,00	0	0	0	31	0	3,10	E						
23	21801031027	ABDURROHMAN SHOLEH	70	52	59	65	55	61	88	8,80	39	3,90	51	5,10	57	14,25	60	15,00	65	13,00	60	75	80	88	85	77,81	B						
24	21801031028	ACHMAD SYAMSU DUCHA	88	88	88	89	89	88	88	8,80	90	9,00	87	8,70	88	22,00	87	21,75	89	17,80	88	60	78	94	86	78,61	B						
25	21801031029	AULIA MOHAMMAD RAHMAN	88	89	89	85	89	88	88	8,80	90	9,00	87	8,70	87	21,75	91	22,75	85	17,00	88	48	73	94	60	67,85	C						
26	21801031030	ARIF GUNAWAN	87	87	89	89	85	89	88	8,80	83	8,30	86	8,60	90	22,50	88	22,00	89	17,80	88	100	85	100	60	84,45	A						
27	21801031031	MITHA MIFTAHUL JANNAH	86	88	90	89	85	89	88	8,80	84	8,40	83	8,30	89	22,25	90	22,50	89	17,80	88	73	80	100	89	83,71	A						
28	21801031032	MILA SA'DIYAH ROHMAH	87	89	89	86	89	88	88	8,80	89	8,90	86	8,60	90	22,50	88	22,00	86	17,20	88	95	80	100	86	88,45	A						
29	21801031033	MOHAMMAD HADZIQ S.A	88	88	88	89	89	88	88	8,80	90	9,00	87	8,70	88	22,00	87	21,75	89	17,80	88	78	83	100	61	78,71	B						
30	21801031036	DIDAN FAIK FUADI	69	50	56	45	55	52	88	8,80	39	3,90	50	5,00	57	14,25	55	13,75	45	9,00	55	68	80	100	86	76,71	B						
Jumlah Peserta : 30									64,00	6,40	64,14	6,41	64,97	6,50	64,54	16,14	64,69	16,17	63,74	12,75													
																				% Mahasiswa nilai A		43											
																				% Mahasiswa nilai B		40											
																				% Mahasiswa nilai C		10											
																				% Mahasiswa nilai D		0											
																				% Mahasiswa nilai E		7											
																				TOTAL		100											

B Class

REKAPITULASI NILAI AKHIR KELAS IIB																																		
No.	NPM	Nama Mahasiswa	CLO 1	CLO 2	CLO 3	CLO 4	CLO 5	CLO 6	SUB-CPMK/BOBOT (NILAI HARIAN)												NILAI HARIAN (Assignment) (15%)	Midle Test (25%)	Final Test (25%)	Presence (10%)	Practice (25%)	Final Score								
			Score	Score	Score	Score	Score	Score	1		2		3		4		5		6							Angka	Huruf							
									10%	10%	10%	10%	25%	25%	20%	20%	20%	20%	20%	20%														
1	21601031039	EDWINDRA PANDEGA BUANA	68	63	56	61	69	57	75	7,50	66	6,60	60	6,00	56	14,00	55	13,75	61	12,20	60	60	75	81	45	64,36	C							
2	21601031055	RIZAL HABIB	0	0	0	0	0	0	0	0,00	0	0,00	0	0,00	0	0,00	0	0,00	0	0,00	0	0	0	13	0	1,30	E							
3	21801031038	KHOIRUN NADHIFAH	93	97	98	100	92	98	85	8,50	95	9,50	100	10,00	95	23,75	100	25,00	100	20,00	97	58	83	100	88	80,01	A							
4	21801031039	SEKAR PUTRI LISNANWATI	80	79	78	76	83	77	85	8,50	82	8,20	75	7,50	81	20,25	75	18,75	76	15,20	78	100	90	100	85	91,51	A							
5	21801031040	MOH. ZEFI	82	80	79	80	83	79	85	8,50	82	8,20	78	7,80	75	18,75	83	20,75	80	16,00	80	45	60	100	45	60,25	C							
6	21801031042	AHMAD SYFAUS SUDUR AL GHOZI	85	79	79	78	82	78	85	8,50	81	8,10	85	8,50	78	19,50	79	19,75	78	15,60	80	55	50	88	45	59,04	C							
7	21801031043	SELLA KURNIA DWI NANDA	98	100	100	100	98	100	95	9,50	100	10,00	100	10,00	100	25,00	100	25,00	100	20,00	100	40	68	100	85	70,08	B							
8	21801031044	SEPTIAN TRI KURNIAWAN	87	88	90	90	83	90	83	8,30	83	8,30	90	9,00	85	21,25	95	23,75	90	18,00	89	40	53	88	55	58,24	C							
9	21801031045	RAMA IDRIAS PERMANA	85	90	91	98	87	93	83	8,30	89	8,90	86	8,60	86	21,50	95	23,75	98	19,60	91	45	60	100	64	64,70	C							
10	21801031046	AJI FIKRI LEO KUSWOYO	82	82	82	78	83	80	83	8,30	83	8,30	80	8,00	81	20,25	82	20,50	78	15,60	81	83	83	81	80	82,04	A							
11	21801031047	DIYAN NIVITA SARI	100	100	100	100	100	100	100	10,00	100	10,00	100	10,00	100	25,00	100	25,00	100	20,00	100	51	68	100	88	73,90	B							
12	21801031048	MOH. ABDAL RATHOMI	82	81	82	80	82	81	83	8,30	81	8,10	81	8,10	80	20,00	83	20,75	80	16,00	81	60	55	88	45	62,24	C							
13	21801031049	ROFIX FERNANDA	88	95	100	100	86	100	88	8,80	85	8,50	87	8,70	100	25,00	100	25,00	100	20,00	96	65	75	81	82	76,80	B							
14	21801031050	AHMAD WA'AFIRUL AQLI	87	95	100	89	85	96	88	8,80	84	8,40	86	8,60	100	25,00	100	25,00	89	17,80	94	85	70	100	86	83,44	A							
15	21801031051	M. DENI OKPRIANNOR	94	100	100	91	96	97	88	8,80	100	10,00	100	10,00	100	25,00	100	25,00	91	18,20	97	55	70	81	76	71,55	B							
16	21801031052	LUCKY HANDY ARDIANSYAH	94	100	100	100	96	100	88	8,80	100	10,00	100	10,00	100	25,00	100	25,00	100	20,00	99	75	65	94	86	79,12	B							
17	21801031053	ELSA ROSALIA LARASATI	94	100	100	100	96	100	88	8,80	100	10,00	100	10,00	100	25,00	100	25,00	100	20,00	99	73	70	100	88	80,92	A							
18	21801031054	FEBY SYAHARANI	88	92	94	90	88	93	88	8,80	88	8,80	87	8,70	88	22,00	100	25,00	90	18,00	91	75	83	100	84	83,70	A							
19	21801031055	ERWIN	85	92	95	90	85	93	84	8,40	85	8,50	85	8,50	95	23,75	95	23,75	90	18,00	91	70	85	100	88	83,34	A							
20	21801031056	ARIZA ALIF PRADANA	85	89	91	100	85	94	84	8,40	85	8,50	86	8,60	92	23,00	90	22,50	100	20,00	91	85	60	94	83	79,00	B							
21	21801031057	ZAINAL ABIDIN	90	97	98	92	91	96	84	8,40	95	9,50	95	9,50	96	24,00	100	25,00	92	18,40	95	65	75	100	86	79,12	B							
22	21801031058	INDAH MAULIDIYAH	85	87	85	90	89	86	84	8,40	92	9,20	85	8,50	84	21,00	85	21,25	90	18,00	86	88	73	100	84	83,85	A							
23	21801031059	MUHAMMAD REZA SYAHRUL	87	94	91	80	95	87	84	8,40	100	10,00	90	9,00	81	20,25	100	25,00	80	16,00	89	70	70	88	77	75,65	B							
24	21801031060	RAHMAT SAMSUDIN	86	89	89	89	88	89	84	8,40	90	9,00	88	8,80	88	22,00	89	22,25	89	17,80	88	75	80	94	84	81,74	A							
25	21801031061	SRI RATNA NINGSIH	94	94	96	100	90	97	88	8,80	91	9,10	100	10,00	95	23,75	96	24,00	100	20,00	96	65	80	100	84	80,45	A							
26	21801031062	FENIA AKNANTASARI	87	88	89	100	87	93	88	8,80	87	8,70	86	8,60	90	22,50	88	22,00	100	20,00	91	83	85	100	88	87,19	A							
27	21801031063	MUAJIM	84	73	74	70	77	72	88	8,80	71	7,10	80	8,00	72	18,00	75	18,75	70	14,00	75	30	50	88	45	50,75	D							
28	21801031065	ENDAH NUR CAYANI	87	92	94	88	89	92	88	8,80	89	8,90	86	8,60	90	22,50	97	24,25	88	17,60	91	93	75	100	88	87,20	A							
29	21801031066	SELVYANA MEILANOR ANGGRAENI	93	92	94	100	89	96	88	8,80	90	9,00	98	9,80	100	25,00	87	21,75	100	20,00	94	75	80	100	87	83,70	A							
30	21801031067	RIAN ADI PRANATA	79	81	80	94	82	85	78	7,80	84	8,40	80	8,00	85	21,25	75	18,75	94	18,80	83	78	65	88	79	76,00	B							
31	21801031068	ADI NAJIB RISWANI	55	53	55	41	53	50	60	6,00	50	5,00	50	5,00	60	15,00	50	12,50	41	8,20	52	60	58	81	82	63,56	C							
32	21801031069	ADRIAN KURNIAWAN	82	82	83	80	81	82	78	7,80	82	8,20	85	8,50	85	21,25	80	20,00	80	16,00	82	85	70	100	83	81,21	A							
33	21801031070	VAN WIE BRAMASTA CAHYAPUTRA	79	85	88	94	79	90	78	7,80	80	8,00	80	8,00	90	22,50	85	21,25	94	18,80	86	70	65	100	80	75,45	B							
34	21801031071	MOCH. ALI RUSPENDI	79	80	83	85	77	83	78	7,80	76	7,60	80	8,00	80	20,00	85	21,25	85	17,00	82	88	65	100	82	80,45	A							
35	21801031096	JUPIADI	79	77	78	70	76	75	78	7,80	75	7,50	80	8,00	80	20,00	75	18,75	70	14,00	76	70	68	94	66	72,11	B							
Jumlah Peserta : 35									81,83	8,18	83,46	8,35	83,69	8,37	84,80	21,20	85,69	21,42	84,97	16,99														
																					% Mahasiswa nilai A				43									
																					% Mahasiswa nilai B				31									
																					% Mahasiswa nilai C				20									
																					% Mahasiswa nilai D				3									
																					% Mahasiswa nilai E				3									
																					TOTAL				100									

C Class

REKAPITULASI NILAI AKHIR KELAS IIIC																																	
No.	NPM	Nama Mahasiswa	CLO 1	CLO 2	CLO 3	CLO 4	CLO 5	CLO 6	SUB-CPMK/BOBOT (NILAI HARIAN)												NILAI HARIAN (Assignment) (15%)	Midle Test (25%)	Final Test (25%)	Presence (10%)	Practice (25%)	Final Score							
									Score	Score	Score	Score	Score	Score	1		2		3							4		5		6		Angka	Huruf
															10%	10%	10%	10%	25%	25%						25%	25%	20%	20%				
1	21801031073	M. ABDAN SYAKURO FISYA	87	93	97	100	96	98	88	8,80	100	10,00	86	8,60	93	23,25	100	25,00	100	20,00	96	85	68	100	88	83,45	A						
2	21801031074	SAHRUL EKA PRASETIA	90	93	95	98	89	96	88	8,80	90	9,00	91	9,10	90	22,50	100	25,00	98	19,60	94	75	75	100	84	81,70	A						
3	21801031075	DWI MULYATININGSIH	94	100	100	98	96	99	88	8,80	100	10,00	100	10,00	100	25,00	100	25,00	98	19,60	98	85	58	100	87	80,71	A						
4	21801031076	JIANE AJENG PRATIWI	87	94	96	100	89	97	88	8,80	90	9,00	86	8,60	92	23,00	100	25,00	100	20,00	94	90	65	100	87	83,71	A						
5	21801031077	AJENG WISTIKA DEWI	94	99	99	100	96	99	88	8,80	100	10,00	100	10,00	97	24,25	100	25,00	100	20,00	98	70	78	100	89	82,46	A						
6	21801031078	MUHAMMAD PRAMYODI ERLA	89	94	96	100	89	97	87	8,70	90	9,00	90	9,00	92	23,00	100	25,00	100	20,00	95	70	77	94	85	80,46	A						
7	21801031079	RAGIL FATUL MARDILINA	89	88	83	80	96	82	87	8,70	100	10,00	90	9,00	80	20,00	85	21,25	80	16,00	80	78	78	100	88	82,00	A						
8	21801031080	NABAUT THORIQ	86	84	84	80	84	83	87	8,70	83	8,30	84	8,40	85	21,25	83	20,75	80	16,00	82	56	70	100	83	72,55	B						
9	21801031081	MOH. IMRON ROSIDY	87	84	85	81	85	83	87	8,70	84	8,40	86	8,60	85	21,25	84	21,00	81	16,20	84	56	70	100	86	73,32	B						
10	21801031085	SAHIDA REZA WARDANA	87	91	92	92	88	92	87	8,70	89	8,90	86	8,60	86	21,50	98	24,50	92	18,40	91	90	75	100	88	86,29	A						
11	21801031086	MUHIIBATUL LUBABAH	85	84	84	84	85	84	88	8,80	83	8,30	82	8,20	84	21,00	84	21,00	84	16,80	84	60	78	100	88	77,22	B						
12	21801031087	INDAYU DWINKA IRAWAN	86	84	84	80	85	83	88	8,80	84	8,40	83	8,30	85	21,25	83	20,75	80	16,00	84	69	75	100	88	78,93	B						
13	21801031088	REZA FACHRUR ROZI	85	84	84	80	86	83	88	8,80	85	8,50	82	8,20	85	21,25	83	20,75	80	16,00	84	44	70	88	73	66,48	C						
14	21801031089	NUR IFFATUS SAHIYAH	87	83	83	92	85	86	88	8,80	84	8,40	86	8,60	84	21,00	82	20,50	92	18,40	86	60	73	88	88	74,76	B						
15	21801031090	PUJI RAHAYU LESTARI	90	97	100	100	89	100	88	8,80	90	9,00	92	9,20	100	25,00	100	25,00	100	20,00	97	66	80	100	89	81,70	A						
16	21801031091	FLORYANT ABBY NOAHFARE	85	93	95	100	88	97	85	8,50	90	9,00	85	8,50	90	22,50	100	25,00	100	20,00	94	55	73	100	89	75,78	B						
17	21801031092	SAGUSTIAN FUTUHI AHLAA	88	92	93	100	88	95	85	8,50	90	9,00	90	9,00	90	22,50	95	23,75	100	20,00	93	85	70	100	89	83,76	A						
18	21801031093	AHMAD FAQIHIL GHUFRON	86	85	84	85	87	84	85	8,50	88	8,80	87	8,70	86	21,50	82	20,50	85	17,00	85	90	63	100	89	82,00	A						
19	21801031094	ARIS	93	90	91	86	88	89	85	8,50	90	9,00	100	10,00	96	24,00	85	21,25	86	17,20	90	85	78	100	89	85,74	A						
20	21801031095	ADINDA WIDYA RAHMAWATI	86	85	85	89	86	86	85	8,50	86	8,60	86	8,60	86	21,50	84	21,00	89	17,80	86	85	80	100	88	85,60	A						
21	21801031097	MUNAWIR SAJALI	90	93	93	95	92	93	85	8,50	95	9,50	95	9,50	95	23,75	90	22,50	95	19,00	93	75	80	100	89	83,76	A						
22	21801031098	YUSRIL FIRLY RAMADHAN	93	85	83	100	88	88	85	8,50	90	9,00	100	10,00	85	21,25	80	20,00	100	20,00	89	65	70	100	85	76,56	B						
23	21801031099	AHMAD FARIS ROMADHON	85	83	90	90	75	90	85	8,50	70	7,00	85	8,50	90	22,50	90	22,50	90	18,00	87	80	80	94	83	82,90	A						
24	21801031100	FEBRIYANTO	78	60	60	50	68	57	85	8,50	60	6,00	70	7,00	60	15,00	60	15,00	50	10,00	62	58	44	88	87	61,68	C						
25	21801031102	ALFIAN NASRUDIN	86	89	89	85	88	88	85	8,50	90	9,00	87	8,70	87	21,75	91	22,75	85	17,00	88	51	68	88	78	69,36	C						
26	21801031103	WANDI	86	89	92	100	84	94	85	8,50	83	8,30	86	8,60	90	22,50	93	23,25	100	20,00	91	75	85	100	89	85,02	A						
27	21801031104	HIDAYATUL FIRDA	84	88	90	89	84	89	85	8,50	84	8,40	83	8,30	89	22,25	90	22,50	89	17,80	88	57	80	100	89	77,61	B						
28	21801031105	AISYAH IZZA VIRAHANA	86	89	89	86	88	88	85	8,50	89	8,90	86	8,60	90	22,50	88	22,00	86	17,20	88	56	85	100	89	78,81	B						
29	21801031106	DWI RADITA INDIYANI	88	88	88	89	88	88	85	8,50	90	9,00	90	9,00	88	22,00	87	21,75	89	17,80	88	60	85	100	89	80,06	A						
30	21801031107	NURLAILAH	85	90	88	100	91	92	85	8,50	94	9,40	84	8,40	85	21,25	90	22,50	100	20,00	90	75	55	100	85	75,26	B						
Jumlah Peserta : 30									74,00	7,40	75,46	7,55	75,37	7,54	75,57	18,89	76,77	19,19	77,40	15,48													
																				% Mahasiswa nilai A		57											
																				% Mahasiswa nilai B		33											
																				% Mahasiswa nilai C		10											
																				% Mahasiswa nilai D		0											
																				% Mahasiswa nilai E		0											
																				TOTAL		100											