

VISION

"To become a leading study program in providing education and teaching, research and community service in the field of Biology, especially Environmental Biology, which is professional and has an Islamic personality."

MISSION

1. Providing a moral foundation for biological development and providing enlightenment in the development of faith and piety.
2. Carrying out integrative education and teaching in the field of biology that concentrates on theoretical and practical environments.
3. Carrying out research and development in the field of biology, especially the environment.
4. Organizing community service activities related to biological applications to improve the quality of life of the community.
5. Organizing modern management of study programs that is oriented towards quality, transparency, accountability and professionalism.
6. Establish mutually beneficial cooperation with government and non-government institutions, both domestic and foreign, oriented towards strengthening PS.
7. Building collaboration with various associations in the field of biology.

STRATEGIC GOALS AND OBJECTIVES

- Increase research efforts in the emerging field of biological sciences and develop nationally recognized learning centres for undergraduate and graduate curricula.
- Increase recruitment and support for innovative and exceptional faculty who through research and teaching will develop the scientists, health professionals, government professionals, and mentors of tomorrow.
- Foster an engaging environment where teaching, research, and service will stimulate our students to become leaders for the people of this state, nation, and world.
- Enrich our regional environment with the development of scientific programs that include opportunities for local community participation.

PLO	PLO REDACTIONAL	CATEGORY	TOTAL COURSE	PLO ACHIEVEMENT
1.1	Able to solve science and technology problems in the field of management and utilization of biological and environmental resources through principles of biology and relevant sciences.	Specialized Skills	19	85%
1.2	Capable of applying biological knowledge for personal, societal, and environmental benefits in everyday life.		41	35%

1.3	Able to present alternative solutions to problems in the field of management and utilization of biological and environmental resources within a specific scope, which can be used as a basis for making informed decisions.		2	72%
2.1	Mastering the principles and theoretical concepts of biology supported by relevant sciences.	Mastery of Knowledge	15	81%
2.2	Mastering the concepts, principles, and applications of biological knowledge in the utilization of biological and environmental resources, as well as related fields.		39	83%
2.3	Mastering relevant concepts, principles, and applications of biotechnology.		30	80%
2.4	Mastering the principles and concepts of technology-based measurement, instruments, as well as standard methods in analyzing and synthesizing biological and environmental resources.		0	0%
3.1	Applying logical, critical, systematic, and innovative thinking in the context of developing or implementing science and technology according to their expertise area without disregarding ethics.		25	85%
3.2	Managing learning independently, with quality, and measurably.	General Skills	33	90%
3.3	Developing and maintaining a network of collaboration with mentors, colleagues, and peers both within and outside of their institution.		18	82%
3.4	Taking responsibility for achieving work results either independently or in groups, as well as being capable of		15	87%

	supervising and evaluating the completion of such tasks.			
4.1	Upholding human values in carrying out tasks based on religious, moral, and ethical values and norms.	Attitudes	7	97%
4.2	Appreciating cultural diversity, perspectives, religions, beliefs, as well as the opinions or original findings of others.		7	93%
4.3	Complying with the law and maintaining discipline in societal and national life.		5	97%
4.4	Internalizing the spirit of independence, perseverance, and entrepreneurship.		6	97%

EVALUATION OF PROGRAM LEARNING OUTCOME ACHIEVEMENTS IN THE BIOLOGY STUDY PROGRAM

No	Course Name	Code	Semester	Credits	Grade					PARTICIPANTS KELAS
					A	B	C	D	E	
1	Basic Chemistry	KIM 3004	1	2	18	48	41	5	2	114
2	Basic Chemistry Practicum	KIM 3005	1	1	30	46	34	0	2	112
3	Basic Mathematics	MAT 3003	1	2	32	44	33	1	2	112
4	Indonesian	BHS 6001	1	3	10	9	0	0	2	111
5	Arabic	BHS2003	1	3	27	80	2	0	2	111
6	Pancasila	POL 2001	1	2	77	32	0	0	2	111
7	Islam Studies	SAG 6001	1	4	93	16	0	0	2	111
8	Qiraah Practice	SAR 2001	1	1	82	25	2	0	2	111
9	Practicum of Worship	SAR 2002	1	1	75	31	3	0	2	111
10	Basic Biology	BIO3001	1	2	8	83	18	0	2	111
11	Praktikum Biologi Dasar	BIO 3002	1	1	9	66	33	1	2	111
12	Laboratory Engineering Practicum	BIO 3011	2	1	52	49	8	0	1	110
13	Basic Physics	FIS 3002	2	2	93	15	1	1	0	110
14	Laboratory Engineering	BIO 3010	2	2	59	32	18	0	1	110
15	Plant Structure and Development	BIO 4018	2	3	27	64	18	0	1	110
16	Plant Structure and Development Practicum	BIO 4019	2	1	45	44	20	0	1	110
17	Structure and Development of Animals	BIO 4016	2	3	41	64	4	0	1	110

18	Practicum of Animal Structure and Development	BIO 4017	2	1	13	68	21	6	2	110
19	Basic Ecology	BIO 3024	2	2	34	73	3	0	0	110
20	Civic Education	POL 2002	2	2	59	41	9	1	0	110
21	English	BHS 3008	2	3	71	39	0	0	0	110
22	Biochemistry	BIO 3008	3	2	6	46	73	0	3	128
23	Animal Systematics	BIO 4012	3	1	36	75	16	0	1	128
24	Animal Systematics Practicum	BIO 4013	3	1	16	57	46	9	1	129
25	Plant Systematics Practicum	BIO 4015	3	1	30	76	21	1	1	129
26	Plant Systematics	BIO 4014	3	2	21	77	29	0	2	129
27	Biochemistry Practicum	BIO 3009	3	1	37	55	33	2	2	129
28	Basic Genetics	BIO 3020	3	3	0	58	64	3	4	129
29	Basic Genetics Practicum	BIO 3021	3	1	28	65	34	1	1	129
30	Basic Microbiology	BIO 4022	3	3	16	58	50	4	1	129
31	Basic Microbiology Practicum	BIO 4023	3	1	35	67	25	1	1	129
32	Islam and Science	SAG 6002	3	3	11 5	8	0	0	3	126
33	Cell Biology	BIO 3006	4	2	68	45	17	2	0	132
34	Cell Biology Practicum	BIO 3007	4	1	56	58	17	1	0	132
35	Plant Physiology	BIO 4031	4	3	21	97	14	0	0	132
36	Plant Physiology Practice	BIO 4032	4	1	11	90	30	1	0	132
37	Biostatistics	BIO 4027	4	3	80	34	17	0	1	132
38	Internship Biostatistics	BIO 4028	4	1	10 8	14	8	0	0	130
39	Conservation Biology	BIO 3026	4	2	31	77	23	0	1	132
40	Microbial Physiology	BIO 3048	4	2	25	64	41	2	0	132
41	Animal Physiology	BIO 4029	4	3	34	67	29	0	2	132
42	Animal Physiology Practicum	BIO 4030	4	1	42	59	26	4	1	132
43	Terrestrial Ecology	BIO 3033	4	2	45	82	5	0	0	132
44	Ecology of the waters	BIO 2112	5	2	39	48	11	0	0	98
45	Tissue Culture	BIO 3066	5	2	33	54	9	0	0	96
46	Tissue Culture Practicum	BIO 3067	5	1	27	64	5	0	0	96
47	Natural Resources Management	BIO 3039	5	2	67	30	2	0	0	99
48	Environmental Chemistry	BIO 4040	5	2	15	73	11	0	0	99

49	Environmental Chemistry Practicum	BIO 4041	5	1	63	23	13	0	0	99
50	Principles of Biotechnology	BIO 4044	5	2	48	36	15	0	0	99
51	Molecular Biology	BIO 4046	5	3	52	34	12	1	0	99
52	Molecular Biology Practicum	BIO 4047	5	1	8	59	32	0	0	99
53	Introduction to Bioinformatics	BIO 3049	5	2	74	19	3	3	0	99
54	Aquatic Ecology Practicum	BIO 3036	5	1	79	17	2	0	0	98
55	Evolusi	BIO 2037	5	2	22	68	8	0	0	98
56	Biological Research Methodology	BIO 3052	5	3	39	52	8	0	0	99
57	Biotechnology	BIO 4105	6	2	24	52	1	1	0	78
58	PKL	ABI 4027	6	3	78	0	0	0	2	80
59	Waste Management	BIO 3060	6	2	11	14	2	1	2	30
60	Introduction to Amdal	BIO 2050	6	2	86	6	0	0	0	92
61	Environmental Biotechnology	BIO 3051	6	3	62	16	13	1	0	92
62	Parasitologi	BIO 3061	6	2	28	32	1	1	0	62
63	Entrepreneurship	BIO 2072	6	2	19	0	1	1	0	21
64	Landscape Ecology	BIO 6401	6	2	36	14	0	1	0	51
65	Plant Ecophysiology	BIO 6402	6	2	9	9	1	0	0	19
66	Etnobotani	BIO 6403	6	2	35	1	1	0	0	37
67	Food Microbiology	BIO 6405	6	2	1	25	4	1	2	33
68	Bakteriologi	BIO 6407	6	2	48	1	0	0	1	50
69	Embriologi	BIO 6411	6	2	35	14	1	0	2	52
70	Ethologi	BIO 6412	6	2	25	22	6	0	2	55
71	Iktiologi	BIO 6413	6	2	16	16	4	0	3	39
72	Environmental Toxicology	BIO 4107	7	2	7	8	6	0	1	22
73	Environmental Toxicology Practikum	BIO 4117	7	1	9	4	4	0	0	17
74	Bioethics	BIO 5009	7	2	0	35	73	1	0	109
75	Birders	BIO 3068	7	2	12	17	0	0	2	31
76	Primatology	BIO 3069	7	2	16	31	0	0	3	50
77	Seminar Proposal	ABI 5015	7	1	105	43	1	0	5	154
78	Real Work Lecture (KKN)	ABI 5013	7	4	110	0	0	0	0	110
79	Philosophy of Science and Technology Concepts		7	2	6	2	1	0	0	9

80	Scientific communication Techniques	BIO 3056	7	2	36	65	8	0	0	109	
81	Industrial Microbiology	BIO 3058	7	2	60	1	0	0	1	62	
82	Plant Breeding	BIO 3065	7	2	24	6	0	0	2	32	
83	Phytopathologist	BIO 3064	7	2	31	3	0	0	1	35	
84	Entomology	BIO 3063	7	2	30	10	0	0	1	41	
85	Mycology	BIO 6409	7	2	13	14	0	0	0	27	
86	Fikology	BIO 6410	7	2	16	25	1	0	5	47	
87	Seminar Proposal	ABI 5015	8	1	23	82	1	0	9	327	
88	Results Seminar	ABI 6016	8	1	19	9	41	0	0	5	245
89	Thesis	ABI 9014	8	6	19	1	49	0	0	5	245

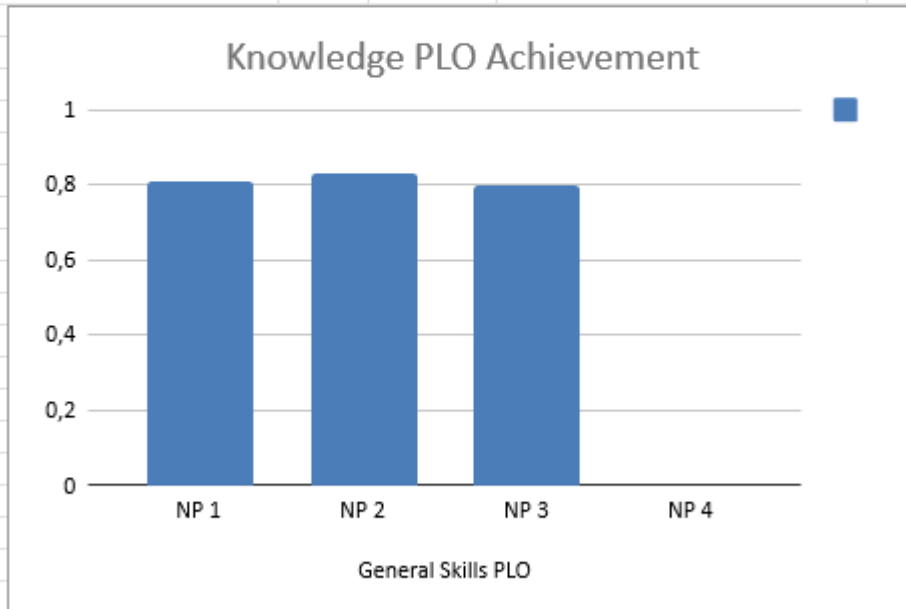
PLO COURSE																
MATHEMATICS STUDY PROGRAM																
No	Course Name	Code	Credit	SPECIAL SKILLS			Kk1	code	Semester	Credit	A	B	C	D	E	
				KK-1	KK-2	KK-3										
				KK-1	KK-2	KK-3	1	Basic Chemistry	KIM 3004	1	2	18	48	41	5	2
1	Basic Chemistry	KIM 3004	2	V			2	Basic Chemistry Practicum	KIM 3005	1	1	30	46	34	0	2
2	Basic Chemistry Practicum	KIM 3005	1	V			3	Basic Biology	BIO3001	1	2	8	83	18	0	2
3	Basic Mathematics	MAT 3003	2				4	Basic Biology Laboratory	BIO 3002	1	1	9	66	33	1	2
4	Indonesian	BHS 6001	3				5	Plant Structure and Development	BIO 4018	2	3	27	64	18	0	1
5	Arabic	BHS2003	3				6	Plant Structure and Development Practicum	BIO 4019	2	1	45	44	20	0	1
6	Pancasila	POL 2001	2				7	Structure and Development of Animals	BIO 4016	2	3	41	64	4	0	1
7	Islam Studies	SAG 6001	4				8	Practicum of Animal Structure and Development	BIO 4017	2	1	13	68	21	6	2
8	Qiraah Practice	SAR 2001	1				9	Basic Ecology	BIO 3024	2	2	34	73	3	0	0
9	Practicum of Worship	SAR 2002	1				10	Animal Systematics	BIO 4012	3	1	36	75	16	0	1
10	Basic Biology	BIO3001	2	V	V		11	Animal Systematics Practicum	BIO 4013	3	1	16	57	46	9	1
11	Praktikum Biologi Dasar	BIO 3002	1	V	V		12	Plant Systematics Practicum	BIO 4015	3	1	30	76	21	1	1

1 2	Laboratory Engineering Practicum	BIO 3011	1				1 3	Plant Systematics	BIO 4014	3	2	21	77	29	0	2	
1 3	Basic Physics	FIS 3002	2				1 4	Biology Cell	BIO 3006	4	2	68	45	17	2	0	
1 4	Laboratory Engineering	BIO 3010	2				1 5	Cell Biology Practicum	BIO 3007	4	1	56	58	17	1	0	
1 5	Plant Structure and Development	BIO 4018	3	V	V		1 6	Plant Physiology	BIO 4031	4	3	21	97	14	0	0	
1 6	Plant Structure and Development Practicum	BIO 4019	1	V	V		1 7	Plant Physiology Practice	BIO 4032	4	1	11	90	30	1	0	
1 7	Structure and Development of Animals	BIO 4016	3	V	V		1 8	ENVIRONMENTAL TOXICOLOGY	BIO 4107	7	2	7	8	6	0	1	
1 8	Practicum of Animal Structure and Development	BIO 4017	1	V	V		1 9	ENVIRONMENTAL TOXICOLOGY PRACTICUM	BIO 4117	7	1	9	4	4	0	0	
1 9	Basic Ecology	BIO 3024	2	V	V		2 0	SEMINAR PROPOSAL	ABI 5015	8	1	235	82	1	0	9	
2 0	Civic Education	POL 2002	2				2 1	Results Seminar	ABI 6016	8	1	199	41	0	0	5	
2 1	English	BHS 3008	3				2 2	Thesis	ABI 9014	8	6	191	49	0	0	5	
2 2	Biochemistry	BIO 3008	2		V												
2 3	Animal Systematics	BIO 4012	1	V				Sum				112 5	126 7	35 2	2 1	3 6	280 1
2 4	Animal Systematics Practicum	BIO 4013	1	V				Percentage				40 %	45 %	13 %	1 %	1 %	100 %
2 5	Plant Systematics Practicum	BIO 4015	1	V				PLO Achievement Percentage				85 %					
2 6	Plant Systematics	BIO 4014	2	V													
2 7	Biochemistry Practicum	BIO 3009	1		V			Kk2	code	Semester	Credit	A	B	C	D	E	
2 8	Basic Genetics	BIO 3020	3		V		1	Basic Biology	BIO3001	1	2	8	83	18	0	2	
2 9	Basic Genetics Practicum	BIO 3021	1		V		2	Praktikum Biologi Dasar	BIO 3002	1	1	9	66	33	1	2	
3 0	Basic Microbiology	BIO 4022	3				3	Plant Structure and Development	BIO 4018	2	3	27	64	18	0	1	

31	Basic Microbiology Practicum	BIO 4023	1				4	Plant Structure and Development Practicum	BIO 4019	2	1	45	44	20	0	1
32	Islam and Science	SAG 6002	3				5	Structure and Development of Animals	BIO 4016	2	3	41	64	4	0	1
33	Cell Biology	BIO 3006	2	V	V		6	Practicum of Animal Structure and Development	BIO 4017	2	1	13	68	21	6	2
34	Cell Biology Practicum	BIO 3007	1	V	V		7	Basic Ecology	BIO 3024	2	2	34	73	3	0	0
35	Plant Physiology	BIO 4031	3	V	V		8	Biokimia	BIO 3008	3	2	6	46	73	0	3
36	Plant Physiology Practice	BIO 4032	1	V	V		9	Biochemistry Practicum	BIO 3009	3	1	37	55	33	2	2
37	Biostatistics	BIO 4027	3				10	Basic Genetics	BIO 3020	3	3	0	58	64	3	4
38	Internship Biostatistics	BIO 4028	1				11	Basic Genetics Practicum	BIO 3021	3	1	28	65	34	1	1
39	Conservation Biology	BIO 3026	2				12	Cell Biology	BIO 3006	4	2	68	45	17	2	0
40	Microbial Physiology	BIO 3048	2				13	Cell Biology Practicum	BIO 3007	4	1	56	58	17	1	0
41	Animal Physiology	BIO 4029	3				16	Plant Physiology	BIO 4031	4	3	21	97	14	0	0
42	Animal Physiology Practicum	BIO 4030	1				17	Plant Physiology Practice	BIO 4032	4	1	11	90	30	1	0
43	Terrestrial Ecology	BIO 3033	2				18	Principles of Biotechnology	BIO 4044	5	2	48	36	15	0	0
44	Ecology of the waters	BIO 2112	2				19	Molecular Biology	BIO 4046	5	3	52	34	12	1	0
45	Tissue Culture	BIO 3066	2				20	Molecular Biology Practicum	BIO 4047	5	1	8	59	32	0	0
46	Tissue Culture Practicum	BIO 3067	1				21	Biotechnology	BIO 4105	6	2	24	52	1	1	0
47	Natural Resources Management	BIO 3039	2				22	PKL	ABI 4027	6	3	78	0	0	0	2
48	Environmental Chemistry	BIO 4040	2				23	Environmental Biotechnology	BIO 3051	6	3	62	16	13	1	0
49	Environmental Chemistry Practicum	BIO 4041	1				24	Parasitologi	BIO 3061	6	2	28	32	1	1	0
50	Principles of Biotechnology	BIO 4044	2		V		25	Entrepreneurship	BIO 2072	6	2	19	0	1	1	0
51	Molecular Biology	BIO 4046	3		V		26	Landscape Ecology	BIO 6401	6	2	36	14	0	1	0

52	Molecular Biology Practicum	BIO 4047	1		V		27	Plant Ecophysiology	BIO 6402	6	2	9	9	1	0	0	
53	Introduction to Bioinformatics	BIO 3049	2				28	Etnobotani	BIO 6403	6	2	35	1	1	0	0	
54	Aquatic Ecology Practicum	BIO 3036	1				9	Matvælaörveru fræði	BIO 6405	6	2	1	25	4	1	2	
55	Evolusi	BIO 2037	2				30	Bakteriologi	BIO 6407	6	2	48	1	0	0	1	
56	Biological Research Methodology	BIO 3052	3				31	Embriologi	BIO 6411	6	2	35	14	1	0	2	
57	Biotechnology	BIO 4105	2		V		32	Ethologi	BIO 6412	6	2	25	22	6	0	2	
58	PKL	ABI 4027	3		V		33	Ictiology	BIO 6413	6	2	16	16	4	0	3	
59	Waste Management	BIO 3060	2				34	Environmental Toxicology	BIO 4107	7	2	7	8	6	0	1	
60	Introduction to Amdal	BIO 2050	2				35	Environmental Toxicology Praktikum	BIO 4117	7	1	9	4	4	0	0	
61	Environmental Biotechnology	BIO 3051	3		V		36	Bioethics	BIO 5009	7	2	0	35	73	1	0	
62	Parasitologi	BIO 3061	2		V		37	Birders	BIO 3068	7	2	12	17	0	0	2	
63	Entrepreneurship	BIO 2072	2		V		38	Primateology	BIO 3069	7	2	16	31	0	0	3	
64	Landscape Ecology	BIO 6401	2		V		39	Scientific communication Techniques	BIO 3056	7	2	36	65	8	0	0	
65	Plant Ecophysiology	BIO 6402	2		V		40	Industrial Microbiology	BIO 3058	7	2	60	1	0	0	1	
66	Etnobotani	BIO 6403	2		V		41	Plant Breeding	BIO 3065	7	2	24	6	0	0	2	
67	Food Microbiology	BIO 6405	2		V		42	Phytopathologist	BIO 3064	7	2	31	3	0	0	1	
68	Bakteriologi	BIO 6407	2		V		43	Entomology	BIO 3063	7	2	30	10	0	0	1	
69	Embriologi	BIO 6411	2		V		44	Mycology	BIO 6409	7	2	13	14	0	0	0	
70	Ethologi	BIO 6412	2		V		45	Fikology	BIO 6410	7	2	16	25	1	0	5	
71	Ictiology	BIO 6413	2		V			Percentage				118	152	58	2	4	336
												2	6	3	5	7	3
72	Environmental Toxicology	BIO 4107	2	V	V	V		PLO Achievement Percentage				35	45	17	1	1	100
												%	%	%	%	%	%

Knowledge PLO Achievement	
NP 1	81%
NP 2	83%
NP 3	80%
NP 4	0%



PLO course																	
BIOLOGY STUDY PROGRAM																	
No	Course Name	Code	Credit	KNOWLEDGE				NP 1	CODE	Semester	Credit	A	B	C	D	E	
				P 1	P 2	P 3	P 4										
1	Basic Chemistry	KIM 3004	2					1	Basic Biology	BIO3001	1	2	8	83	18	0	2
2	Basic Chemistry Practicum	KIM 3005	1					2	Basic Biology Laboratory	BIO 3002	1	1	9	66	33	1	2
3	Basic Mathematics	MAT 3003	2					3	Plant Structure and Development	BIO 4018	2	3	27	64	18	0	1
4	Indonesian	BHS 6001	3					4	Plant Structure and Development Practicum	BIO 4019	2	1	45	44	20	0	1
5	Arabic	BHS2003	3					5	Structure and Development of Animals	BIO 4016	2	3	41	64	4	0	1
6	Pancasila	POL 2001	2					6	Practicum of Animal	BIO 4017	2	1	13	68	21	6	2

							Structure and Development											
7	Islam Studies	SAG 6001	4				7 Basic Ecology	BIO 3024	2	2	34	73	3	0	0			
8	Qiraah Practice	SAR 2001	1				8 Animal Systematics	BIO 4012	3	1	36	75	16	0	1			
9	Practicum of Worship	SAR 2002	1				9 Animal Systematics Practicum	BIO 4013	3	1	16	57	46	9	1			
10	Basic Biology	BIO3001	2	V	V	V	10 Plant Systematics Practicum	BIO 4015	3	1	30	76	21	1	1			
11	Praktikum Biologi Dasar	BIO 3002	1	V	V	V	11 Plant Systematics	BIO 4014	3	2	21	77	29	0	2			
12	Laboratory Engineering Practicum	BIO 3011	1				12 Cell Biology	BIO 3006	4	2	68	45	17	2	0			
13	Basic Physics	FIS 3002	2				13 Cell Biology Practicum	BIO 3007	4	1	56	58	17	1	0			
14	Laboratory Engineering	BIO 3010	2				14 Plant Physiology	BIO 4031	4	3	21	97	14	0	0			
15	Plant Structure and Development	BIO 4018	3	V	V		15 Plant Physiology Practice	BIO 4032	4	1	11	90	30	1	0			
16	Plant Structure and Development Practicum	BIO 4019	1	V	V		Sum				436	1037	307	21	14	1815		
17	Structure and Development of Animals	BIO 4016	3	V	V		Presented				24%	57%	17%	1%	1%	100%		
18	Practicum of Animal Structure and Development	BIO 4017	1	V	V		Percentage of PLO Achievement				81%							
19	Basic Ecology	BIO 3024	2	V														
20	Civic Education	POL 2002	2				NP 2	KODE	Semes ter	Cred it	A	B	C	D	E			
21	English	BHS 3008	3				1 Basic Biology	BIO3001	1	2	8	83	18	0	2			
22	Biochemistry	BIO 3008	2		V	V	2 Basic Biology Laboratory	BIO 3002	1	1	9	66	33	1	2			
23	Animal Systematics	BIO 4012	1	V			3 Plant Structure and Development	BIO 4018	2	3	27	64	18	0	1			
24	Animal Systematics Practicum	BIO 4013	1	V			4 Plant Structure and Development Practicum	BIO 4019	2	1	45	44	20	0	1			

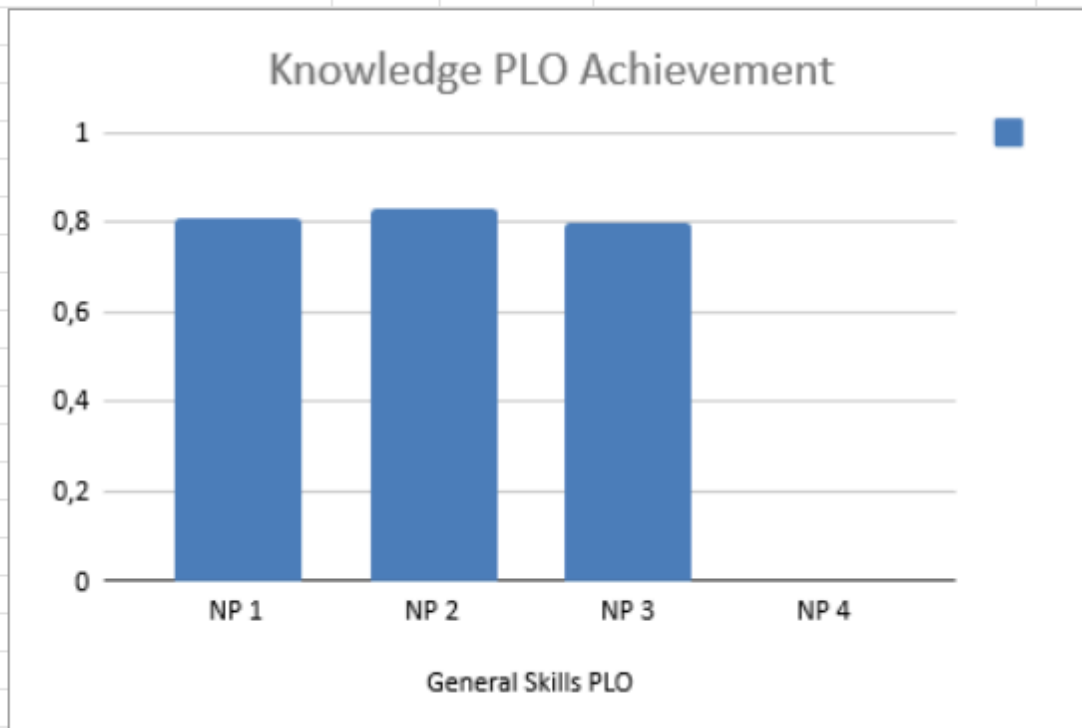
25	Plant Systematics Practicum	BIO 4015	1	v				5	Structure and Development of Animals	BIO 4016	2	3	41	64	4	0	1
26	Plant Systematics	BIO 4014	2	v				6	Practicum of Animal Structure and Development	BIO 4017	2	1	13	68	21	6	2
27	Biochemistry Practicum	BIO 3009	1		v	v		7	Biochemistry	BIO 3008	3	2	6	46	73	0	3
28	Basic Genetics	BIO 3020	3					8	Biochemistry Practicum	BIO 3009	3	1	37	55	33	2	2
29	Basic Genetics Practicum	BIO 3021	1					9	Basic Microbiology	BIO 4022	3	3	16	58	50	4	1
30	Basic Microbiology	BIO 4022	3		v	v		10	Basic Microbiology Practicum	BIO 4023	3	1	35	67	25	1	1
31	Basic Microbiology Practicum	BIO 4023	1		v	v		12	Biology Cell	BIO 3006	4	2	68	45	17	2	0
32	Islam and Science	SAG 6002	3					13	Cell Biology Practicum	BIO 3007	4	1	56	58	17	1	0
33	Cell Biology	BIO 3006	2	v	v	v		14	Plant Physiology	BIO 4031	4	3	21	97	14	0	0
34	Cell Biology Practicum	BIO 3007	1	v	v	v		15	Plant Physiology Practice	BIO 4032	4	1	11	90	30	1	0
35	Plant Physiology	BIO 4031	3	v	v			16	Conservation Biology	BIO 3026	4	2	31	77	23	0	1
36	Plant Physiology Practice	BIO 4032	1	v	v			17	Microbial Physiology	BIO 3048	4	2	25	64	41	2	0
37	Biostatistics	BIO 4027	3					18	Terrestrial Ecology	BIO 3033	4	2	45	82	5	0	0
38	Internship Biostatistics	BIO 4028	1					19	Ecology of the waters	BIO 2112	5	2	39	48	11	0	0
39	Conservation Biology	BIO 3026	2		v	v		20	Tissue Culture	BIO 3066	5	2	33	54	9	0	0
40	Microbial Physiology	BIO 3048	2		v	v		21	Tissue Culture Practicum	BIO 3067	5	1	27	64	5	0	0
41	Animal Physiology	BIO 4029	3					22	Natural Resources Management	BIO 3039	5	2	67	30	2	0	0
42	Animal Physiology Practicum	BIO 4030	1					23	Environmental Chemistry	BIO 4040	5	2	15	73	11	0	0
43	Terrestrial Ecology	BIO 3033	2		v			24	Environmental Chemistry Practicum	BIO 4041	5	1	63	23	13	0	0
44	Ecology of the waters	BIO 2112	2		v			25	Aquatic Ecology Practicum	BIO 3036	5	1	79	17	2	0	0
45	Tissue Culture	BIO 3066	2		v	v		26	Evolusi	BIO 2037	5	2	22	68	8	0	0

46	Tissue Culture Practicum	BIO 3067	1	V	V	27	PKL	ABI 4027	6	3	78	0	0	0	2	
47	Natural Resources Management	BIO 3039	2	V	V	28	Introduction to Amdal	BIO 2050	6	2	86	6	0	0	0	
48	Environmental Chemistry	BIO 4040	2	V	V	29	Landscape Ecology	BIO 6401	6	2	36	14	0	1	0	
49	Environmental Chemistry Practicum	BIO 4041	1	V	V	30	Plant Ecophysiology	BIO 6402	6	2	9	9	1	0	0	
50	Principles of Biotechnology	BIO 4044	2		V	31	Etnobotani	BIO 6403	6	2	35	1	1	0	0	
51	Molecular Biology	BIO 4046	3		V	32	Matvælaörveru fræði	BIO 6405	6	2	1	25	4	1	2	
52	Molecular Biology Practicum	BIO 4047	1		V	33	Bakteriologi	BIO 6407	6	2	48	1	0	0	1	
53	Introduction to Bioinformatics	BIO 3049	2		V	34	Embriologi	BIO 6411	6	2	35	14	1	0	2	
54	Aquatic Ecology Practicum	BIO 3036	1	V		35	Ethologi	BIO 6412	6	2	25	22	6	0	2	
55	Evolusi	BIO 2037	2	V		36	Ictiology	BIO 6413	6	2	16	16	4	0	3	
56	Biological Research Methodology	BIO 3052	3		V	37	Environmental Toxicology	BIO 4107	7	2	7	8	6	0	1	
57	Biotechnology	BIO 4105	2		V	38	Environmental Toxicology Practikum	BIO 4117	7	1	9	4	4	0	0	
58	PKL	ABI 4027	3	V		39	Birders	BIO 3068	7	2	12	17	0	0	2	
59	Waste Management	BIO 3060	2			40	Primatology	BIO 3069	7	2	16	31	0	0	3	
60	Introduction to Amdal	BIO 2050	2	V												
61	Environmental Biotechnology	BIO 3051	3		V		Sum				125	167	53	2	3	351
62	Parasitologi	BIO 3061	2		V		Percentage				36	48	15	1	1	100
63	Entrepreneurship	BIO 2072	2				Percentage of PLO Achievement				83					
64	Landscape Ecology	BIO 6401	2	V												
65	Plant Ecophysiology	BIO 6402	2	V												
							NP 3	KODE	Semester	Credit	A	B	C	D	E	

66	Etnobotani	BIO 6403	2		v			1	Basic Biology	BIO3001	1	2	8	83	18	0	2
67	Food Microbiology	BIO 6405	2		v			2	Basic Biology Laboratory	BIO 3002	1	1	9	66	33	1	2
68	Bakteriologi	BIO 6407	2		v			3	Biochemistry	BIO 3008	3	2	6	46	73	0	3
69	Embriologi	BIO 6411	2		v			4	Biochemistry Practicum	BIO 3009	3	1	37	55	33	2	2
70	Ethologi	BIO 6412	2		v			5	Basic Microbiology	BIO 4022	3	3	16	58	50	4	1
71	Ictiology	BIO 6413	2		v			6	Basic Microbiology Practicum	BIO 4023	3	1	35	67	25	1	1
72	Environmental Toxicology	BIO 4107	2		v			7	Cell Biology	BIO 3006	4	2	68	45	17	2	0
73	Environmental Toxicology Praktikum	BIO 4117	1		v			8	Cell Biology Practicum	BIO 3007	4	1	56	58	17	1	0
74	Bioethics	BIO 5009	2			v		9	Conservation Biology	BIO 3026	4	2	31	77	23	0	1
75	Birders	BIO 3068	2		v			10	Microbial Physiology	BIO 3048	4	2	25	64	41	2	0
76	Primatology	BIO 3069	2		v			11	Tissue Culture	BIO 3066	5	2	33	54	9	0	0
77	Seminar Proposal	ABI 5015	1					12	Tissue Culture Practicum	BIO 3067	5	1	27	64	5	0	0
78	Real Work Lecture (KKN)	ABI 5013	4					13	Natural Resources Management	BIO 3039	5	2	67	30	2	0	0
79	Philosophy of Science and Technology Concepts		2					14	Environmental Chemistry	BIO 4040	5	2	15	73	11	0	0
80	Scientific communication Techniques	BIO 3056	2					15	Environmental Chemistry Practicum	BIO 4041	5	1	63	23	13	0	0
81	Industrial Microbiology	BIO 3058	2			v		16	Principles of Biotechnology	BIO 4044	5	2	48	36	15	0	0
82	Plant Breeding	BIO 3065	2			v		17	Molecular Biology	BIO 4046	5	3	52	34	12	1	0
83	Phytopathologist	BIO 3064	2			v		18	Molecular Biology Practicum	BIO 4047	5	1	8	59	32	0	0
84	Entomology	BIO 3063	2			v		19	Introduction to Bioinformatics	BIO 3049	5	2	74	19	3	3	0
85	Mycology	BIO 6409	2			v		20	Biological Research Methodology	BIO 3052	5	3	39	52	8	0	0
86	Fikology	BIO 6410	2			v		21	Biotechnology	BIO 4105	6	2	24	52	1	1	0
87	Seminar Proposal	ABI 5015	1					22	Environmental Biotechnology	BIO 3051	6	3	62	16	13	1	0
88	Results Seminar	ABI 6016	1					23	Parasitologi	BIO 3061	6	2	28	32	1	1	0

8 9	Thesis	ABI 9014	6					2 4	Bioethics	BIO 5009	7	2	0	35	73	1	0	
				1 5	3 9	3 0	0	2 5	Industrial Microbiology	BIO 3058	7	2	60	1	0	0	1	
								2 6	Plant Breeding	BIO 3065	7	2	24	6	0	0	2	
								2 7	Phytopathologi st	BIO 3064	7	2	31	3	0	0	1	
								2 8	Entomology	BIO 3063	7	2	30	10	0	0	1	
								2 9	Mycology	BIO 6409	7	2	13	14	0	0	0	
								3 0	Fikology	BIO 6410	7	2	16	25	1	0	5	
									Sum				100 5	125 7	52 9	2 1	2 2	283 4
									Percentage				35 %	44 %	19 %	1 %	1 %	100 %
									Presentase Capaian PLO				80 %					
									NP 4	KODE	Semes ter	Cred it	A	B	C	D	E	
													0	0	0	0	0	0
													0%	0%	0%	0 %	0 %	0%
													0%					

Knowledge PLO Achievement	
NP 1	81%
NP 2	83%
NP 3	80%
NP 4	0%



S	Course Name	Code	Cred	GENERAL SKILLS			
				KU1	KU2	KU3	KU4
1	Basic Chemistry	KIM 3004	2				
1	Basic Chemistry Practicum	KIM 3005	1				
1	Basic Mathematics	MAT 3003	2	V			
1	Indonesian	BHS 6001	3				
1	Arabic	BHS2003	3				
1	Pancasila	POL 2001	1				
1	Islam Studies	ISL 6001	4				
1	Qur'ah Practice	SAS 2001	1				
1	Practicum of Worship	SAS 2002	1				
1	Basic Biology	BIO5501	2				
1	Praktikum Biologi Dasar	BIO 3002	1				
1	Laboratory Engineering Practicum	BIO 3011	1				
1	Basic Physics	FS 3002	2				
1	Laboratory Engineering	BIO 3010	2				
1	Plant Structure and Development	BIO 4018	3				
1	Plant Structure and Development Practicum	BIO 4019	1				
1	Structure and Development of Animals	BIO 4016	3				
1	Practicum of Animal Structure and Development	BIO 4017	1				
1	Basic Ecology	BIO 3024	2	V	V		V
1	Civic Education	POL 2002	2				
1	English	BHS 3008	3				
1	Biochemistry	BIO 3008	2	V			
1	Animal Systematics	BIO 4012	1				
1	Animal Systematics Practicum	BIO 4013	1				
1	Plant Systematics Practicum	BIO 4014	1				
1	Plant Systematics	BIO 4015	1				
1	Biochemistry Practicum	BIO 3009	1	V			
1	Basic Genetics	BIO 3020	3	V			
1	Basic Genetics Practicum	BIO 3021	1	V			
1	Basic Microbiology	BIO 4022	3	V	V		V
1	Basic Microbiology Practicum	BIO 4023	1	V	V		V
1	Islam and Science	ISL 6002	3				
1	Cell Biology	BIO 3006	2	V	V		V
1	Cell Biology Practicum	BIO 3007	1	V	V		V
1	Plant Physiology	BIO 4011	3				
1	Plant Physiology Practicum	BIO 4012	1				
1	Plant Physiology Practicum	BIO 4023	1	V	V		V
1	Biostatistics	BIO 4017	3	V			
1	Internship Biostatistics	BIO 4018	1	V			
1	Conservation Biology	BIO 3016	2				
1	Microbial Physiology	BIO 3048	2				
1	Animal Physiology	BIO 4019	3				
1	Animal Physiology Practicum	BIO 4020	1				
1	Terrestrial Ecology	BIO 3023	2	V	V		V
1	Ecology of the waters	BIO 2112	2	V	V		V
1	Tissue Culture	BIO 3066	2	V	V		V
1	Tissue Culture Practicum	BIO 3067	1	V	V		V
1	Natural Resources Management	BIO 3019	2	V	V		V
1	Environmental Chemistry	BIO 4040	2	V	V		V
1	Environmental Chemistry Practicum	BIO 4041	1	V	V		V
1	Principles of Biotechnology	BIO 4044	2	V	V		V
1	Molecular Biology	BIO 4046	3	V	V		V
1	Molecular Biology Practicum	BIO 4047	1	V	V		V

Ku1	Code	Semester	Credit	A	B	C	D	E
2 Basic Ecology	BIO 3024	2	2	34	73	3	0	0
3 Biochemistry	BIO 3008	3	2	6	46	73	0	3
4 Biochemistry Practicum	BIO 3009	3	1	37	55	33	2	2
5 Basic Genetics	BIO 3020	3	3	0	58	64	3	4
6 Basic Genetics Practicum	BIO 3021	3	1	28	65	34	1	1
7 Basic Microbiology	BIO 4022	3	3	16	58	50	4	1
8 Basic Microbiology Practicum	BIO 4023	3	1	35	67	25	1	1
9 Cell Biology	BIO 3006	4	2	68	45	17	2	0
10 Cell Biology Practicum	BIO 3007	4	1	56	58	17	1	0
11 Terrestrial Ecology	BIO 3023	4	2	45	82	5	0	0
12 Ecology of the waters	BIO 2112	5	2	39	48	11	0	0
13 Tissue Culture	BIO 3066	5	2	33	54	9	0	0
14 Tissue Culture Practicum	BIO 3067	5	1	27	64	5	0	0
15 Natural Resources Management	BIO 3019	5	2	67	30	2	0	0
16 Environmental Chemistry	BIO 4040	5	2	15	73	11	0	0
17 Environmental Chemistry Practicum	BIO 4041	5	1	83	23	13	0	0
18 Aquatic Ecology Practicum	BIO 3036	5	1	79	17	2	0	0
19 English	BIO 3027	5	2	22	68	8	0	0
20 PPL	ABR 4027	6	3	78	0	0	0	2
21 Environmental Toxicology	BIO 4107	7	2	7	8	6	0	1
22 Environmental Toxicology Practicum	BIO 4417	7	1	9	4	0	0	0
23 SEM/NAK PROPOSAL	ABI 5015	8	1	235	82	1	0	9
24 Results Seminar	ABI 6016	8	1	199	41	0	0	5
25 Thesis	ABI 9014	8	6	191	49	0	0	5
Sum				1421	1112	426	15	36
Percentage				46%	39%	14%	0%	1%
Percentage of PLO Achievement				8%				

Ku2	Code	Semester	Credit	A	B	C	D	E
2 Biostatistics	BIO 4028	4	3	80	34	17	0	1
3 Internship Biostatistics	BIO 4028	4	1	108	14	8	0	0
4 Principles of Biotechnology	BIO 4044	5	2	48	36	15	0	0
5 Molecular Biology	BIO 4046	5	3	52	26	14	1	0
6 Molecular Biology Practicum	BIO 4047	5	1	8	59	32	0	0
7 Introduction to Bioinformatics	BIO 3049	5	2	74	19	3	3	0
8 Biological Research Methodology	BIO 3052	5	3	39	52	8	0	0
9 Biotechnology	BIO 4105	6	2	24	52	1	1	0
10 Introduction to Amal	BIO 2050	6	2	86	6	0	0	0
11 Environmental Biotechnology	BIO 3051	6	3	62	16	13	1	0
12 Parasitology	BIO 3051	6	2	28	32	1	1	0
13 Landscape Ecology	BIO 6401	6	2	36	14	0	1	0
14 Plant Ecophysiology	BIO 6402	6	2	9	9	1	0	0
15 Embriologi	BIO 6403	6	2	35	1	0	0	0
16 Food Microbiology	BIO 6405	6	2	1	25	4	1	2
17 Bakteriologi	BIO 6407	6	2	48	1	0	0	1
18 Embriologi	BIO 6413	6	2	35	14	1	0	2
19 Ethologi	BIO 6412	6	2	32	22	6	0	2
20 Iktiologi	BIO 6413	6	2	16	16	4	0	3
21 Bioethics	BIO 5009	7	2	0	35	73	1	0
22 Ethics	BIO 5061	7	1	11	11	0	0	0

General Skills PLO Achievement	
Ku 1	85%
Ku 2	80%
Ku 3	87%
Ku 4	87%



GENERAL SKILLS PLO Achievement	
Ku 1	85%
Ku 2	80%
Ku 3	87%
Ku 4	87%

57	Biotechnology	BIO 4105	2	V	V	V						
58	PKL	ABI 4027	3	V								
59	Waste Management	BIO 3060	2									
60	Introduction to Amdal	BIO 2050	2		V							
61	Environmental Biotechnology	BIO 3051	3		V	V						
62	Parasitologi	BIO 3061	2		V							
63	Entrepreneurship	BIO 2072	2									
64	Landscape Ecology	BIO 4401	2		V							
65	Plant Ecophysiology	BIO 4402	2		V							
66	Etnobotani	BIO 4403	2		V							
67	Food Microbiology	BIO 4405	2		V	V						
68	Bakteriologi	BIO 4407	2		V	V						
69	Embriologi	BIO 6411	2		V	V						
70	Ethologi	BIO 6412	2		V	V						
71	Iktiologi	BIO 6413	2		V	V						
72	Environmental Toxicology	BIO 4107	2		V		V					
73	Environmental Toxicology Practicum	BIO 4117	1	V		V	V					
74	Bioethics	BIO 5009	2		V	V						
75	Birders	BIO 3068	2		V	V						
76	Primatology	BIO 3069	2		V	V						
77	Seminar Proposal	ABI 5015	1		V	V						
78	Real Work Lecture (KKN)	ABI 5013	4									
79	Philosophy of Science and Technology Concepts	BIO 5056	2		V							
80	Scientific communication Techniques	BIO 4117	1	V		V	V					
81	Industrial Microbiology	BIO 3058	2		V	V	V					
82	Plant Breeding	BIO 3065	2		V	V						
83	Phytopathologist	BIO 3064	2		V	V						
84	Entomology	BIO 3063	2		V	V						
85	Mycology	BIO 4409	2		V	V						
86	Fikology	BIO 4410	2		V	V						
87	Seminar Proposal	ABI 5015	1		V	V						
88	Results Seminar	ABI 6016	1	V	V							
89	Thesis	ABI 9014	6	V	V							
			25	33	18	15						

27	Phytopathologist	BIO 3064	7	2	31	3	0	0	1				
28	Entomology	BIO 3063	7	2	30	10	0	0	1				
29	Mycology	BIO 4409	7	2	13	14	0	0	0				
30	Fikology	BIO 4410	7	2	16	25	1	0	5				
31	Seminar Proposal	ABI 5015	8	1	235	82	1	0	9				
32	Results Seminar	ABI 6016	8	1	199	41	0	0	5				
33	Thesis	ABI 9014	8	6	191	49	0	0	5				
	Sum				1677	835	210	10	45		2777		
	Percentage				60%	30%	8%	0%	2%		100%		
	Percentage of PLO Achievement				90%								
	Ku3												
	Code	Semester	Credit	A	B	C	D	E					
1	Principles of Biotechnology	BIO 4044	5	2	48	36	15	0	0				
2	Molecular Biology	BIO 4046	5	3	52	34	12	1	0				
3	Molecular Biology Practicum	BIO 4047	5	1	8	59	32	0	0				
4	Biotechnology	BIO 4105	6	2	24	52	1	1	0				
5	Environmental Biotechnology	BIO 3051	6	3	62	16	13	1	0				
6	Food Microbiology	BIO 4405	6	2	1	25	4	1	2				
7	Bacteriologi	BIO 4407	6	2	48	1	0	0	1				
8	Embriologi	BIO 6411	6	2	35	14	1	0	2				
9	Ethologi	BIO 6412	6	2	25	22	6	0	2				
10	Iktiologi	BIO 6413	6	2	16	16	4	0	3				
11	Bioethics	BIO 5009	7	2	0	35	73	1	0				
12	Birders	BIO 3068	7	2	12	17	0	0	2				
13	Primatology	BIO 3069	7	2	16	31	0	0	3				
14	Plant Breeding	BIO 3065	7	2	24	6	0	0	2				
15	Phytopathologist	BIO 3064	7	2	31	3	0	0	1				
16	Entomology	BIO 3063	7	2	30	10	0	0	1				
17	Mycology	BIO 4409	7	2	13	14	0	0	0				
20	Fikology	BIO 4410	7	2	16	25	1	0	5				
	Sum				461	416	162	5	24		1068		
	Percentage				43%	39%	15%	0%	2%		100%		
	Percentage of PLO Achievement				82%								
	Ku4												
	Code	Semester	Credit	A	B	C	D	E					
1	Basic Ecology	BIO 3024	2	2	34	73	3	0	0				
2	Basic Microbiology	BIO 4022	3	3	16	58	50	4	1				
3	Basic Microbiology Practicum	BIO 4023	3	1	35	67	25	1	1				
4	Cell Biology	BIO 3006	4	2	68	45	17	2	0				
5	Cell Biology Practicum	BIO 3007	4	1	56	58	17	1	0				
6	Terrestrial Ecology	BIO 3033	4	2	45	82	5	0	0				
7	Ecology of the waters	BIO 2112	5	2	39	48	11	0	0				
8	Tissue Culture	BIO 3066	5	2	33	54	9	0	0				
9	Tissue Culture Practicum	BIO 3067	5	1	27	64	5	0	0				
10	Natural Resources Management	BIO 3039	5	2	67	30	2	0	0				
11	Environmental Chemistry	BIO 4040	5	2	15	73	11	0	0				
12	Environmental Chemistry Practicum	BIO 4041	5	1	63	23	13	0	0				
13	Environmental Toxicology	BIO 4107	7	2	7	8	6	0	1				
14	Environmental Toxicology Practicum	BIO 4117	7	1	9	4	4	0	0				
15	Industrial Microbiology	BIO 3058	7	2	60	1	0	0	1				
	Sum				574	688	178	8	4		1452		
	Percentage				40%	47%	12%	1%	0%		100%		
	Percentage of PLO Achievement				87%								

PLO COURSE
BIOLOGY STUDY PROGRAM

Nama Mata Kuliah	Code	Cred	ATTITUDE				
			S1	S2	S3	S4	
ic Chemistry	KIM 3004	2					
ic Chemistry Practicum	KIM 3005	2					
ic Mathematics	MAT 3003	2					
Sonsian	BHS 6001	3	V	V		V	
abik	BHS 2003	3					
ncasila	POL 2001	2	V	V	V	V	
lm Studies	SAS 6001	4	V	V	V	V	
raah Practice	SAR 2001	1	V	V	V	V	
cticum of Worship	SAR 2002	1	V	V	V	V	
ic Biology	BIO 3001	2					
litium Biologi Dasar	BIO 3002	1					
aboratory Engineering Practicum	BIO 3011	1					
ic Physics	FIS 3002	2					
aboratory Engineering	BIO 3010	2					
nt Structure and Development	BIO 4018	3					
nt Structure and Development Practi	BIO 4019	1					
ulture and Development of Animals	BIO 4016	1					
xticium of Animal Structure and Devel	BIO 4017	1					
ic Ecology	BIO 3024	2					
ic Education	POL 2002	2	V	V			
elin	BHS 3008	3					
hemistry	BIO 3008	2					
imal Systematics	BIO 4012	1					
imal Systematics Practicum	BIO 4013	1					
nt Systematics Practicum	BIO 4015	1					
nt Systematics	BIO 4014	2					
chemistrly Practicum	BIO 3009	1					
ic Genetics	BIO 3020	2					
ic Genetics Practicum	BIO 3021	1					
ic Microbiology	BIO 4022	3					
ic Microbiology Practicum	BIO 4023	1					
lm and Science	SAS 6002	3	V	V	V	V	
il Biology	BIO 3006	2					
il Biology Practicum	BIO 3007	1					
nt Physiology	BIO 4021	2					
nt Physiology Practice	BIO 4022	1					
stistics	BIO 4027	3					
tership Biostatistics	BIO 4028	1					
nservation Biology	BIO 3026	2					
icrobial Physiology	BIO 3048	2					
imal Physiology	BIO 4029	3					
imal Physiology Practicum	BIO 4030	1					
restrial Ecology	BIO 3033	2					
ology of the waters	BIO 2112	2					
use Culture	BIO 3068	2					
use Culture Practicum	BIO 3067	1					
atural Resources Management	BIO 3039	2					
vironmental Chemistry	BIO 4040	2					
icroenvironmental Chemistry Practicum	BIO 4041	1					
inciples of Biotechnology	BIO 4044	2					

S1												
	Code	Semester	Credit	A	B	C	D	E				
1	Indonesian	BHS 6001	1	3	109	0	0	0	2			
2	Pancasila	POL 2001	1	2	77	32	0	0	2			
3	Islam Studies	SAG 6001	1	4	83	16	0	0	2			
4	Qur'ah Practice	SAR 2001	1	1	82	15	2	0	2			
5	Practicum of Worship	SAR 2002	1	1	75	31	3	0	2			
6	Civic Education	POL 2002	2	2	59	41	9	1	0			
7	Islam and Science	SAG 6002	3	3	115	8	0	0	3			
8	Seminar Proposal	ABI 5015	8	1	235	82	1	0	9			
9	Results Seminar	ABI 6016	8	1	199	41	0	0	5			
10	Thesis	ABI 9014	8	6	191	49	0	0	5			
	Sum				1235	325	15	1	32		1608	
	Percentage				77%	20%	1%	0%	2%		100%	
	PLO Achievement Percentage				97%							
S2												
	Code	Semester	Credit	A	B	C	D	E				
1	Indonesian	BHS 6001	1	3	35	67	25	1	1			
2	Pancasila	POL 2001	1	2	77	32	0	0	2			
3	Islam Studies	SAG 6001	1	4	83	16	0	0	2			
4	Qur'ah Practice	SAR 2001	1	1	82	15	2	0	2			
5	Practicum of Worship	SAR 2002	1	1	75	31	3	0	2			
6	Civic Education	POL 2002	2	2	59	41	9	1	0			
7	Islam and Science	SAG 6002	3	3	115	8	0	0	3			
	Sum				536	220	39	2	12		809	
	Percentage				66%	27%	5%	0%	1%		100%	
	PLO Achievement Percentage				93%							
S3												
	Code	Semester	Credit	A	B	C	D	E				
1	Pancasila	POL 2001	1	2	77	32	0	0	2			
2	Islam Studies	SAG 6001	1	4	83	16	0	0	2			
3	Qur'ah Practice	SAR 2001	1	1	82	15	2	0	2			
4	Practicum of Worship	SAR 2002	1	1	75	31	3	0	2			
7	Islam and Science	SAG 6002	3	3	115	8	0	0	3			
	Sum				442	112	5	0	11		570	
	Percentage				76%	20%	1%	0%	2%		100%	
	PLO Achievement Percentage				97%			</				

ECTS

No	Name of Course	Code of Course	Lecture (Face to Face) (SCU)	Number of lecture per Semester	Practical (at Laboratory or filed) (SCU)	Number of Practical Per Semester	Total Hours Lecture (Face to Face) Per Semester	Hours of Midterm And Final Exam Per Semester	Total Hours Practical	Total Hours of Structure and Self Study Per semester	Lecture (ECTS)	Practical (ECTS)
SEMESTER I												
1	Indonesian	NAS 6013203	3	14			35,00	3,00	0,00	56	3,76	
2	Arabic	UIN 6021204	3	14			35,00	3,00	0,00	56	3,76	
3	Islamic Studies	UIN 6032201	4	14			46,67	3,00	0,00	74,666667	4,97	
4	Basic Biology	FST 6095101	2	14			23,33	3,00	0,00	46,666667	2,92	
5	Practicum Basic Biology	FST 6095102	0	0	1	14	0,00	3,00	35,00	23,333333	0,00	
6	Calculus	FST 6094125	2	14			23,33	3,00	0,00	46,666667	2,61	
7	Basic Chemistry	FST 6096201	2	14			23,33	3,00	0,00	46,666667	2,61	
8	Practicum Basic Chemistry II	FST 6096202	0	0	1	14	0,00	3,00	35,00	23,333333	0,00	
9	Basic Physics	FST 6097101	2	14			23,33	3,00	0,00	46,666667	2,92	
8	Total SCU		20							TOTAL ECTS FOR SEMESTER 1 THAT IS EQUALTO 23 SCU =		
SEMESTER II												
1	English	UIN 6014203	3	14			35,00	3,00	0,00	56	3,76	
2	Laboratory Technique	FST 6095105	2	14			23,33	3,00	0,00	46,666667	2,92	
3	Plant Structure and Development	FST 6095107	3	14			35,00	3,00	0,00	70	4,32	
4	Practicum Plant Structure and Development	FST 6095108	0	0	1	14	0,00	3,00	35,00	23,333333	0,00	

No	Name of Course	Code of Course	Lecture (Face to Face) (SCU)	Number of lecture per Semester	Practical (at Laboratory or filed) (SCU)	Number of Practical Per Semester	Total Hours Lecture (Face to Face) Per Semester	Hours of Midterm And Final Exam Per Semester	Total Hours Practical	Total Hours of Structure and Self Study Per semester	Lecture (ECTS)	Practical (ECTS)
5	Animal Systematics	FST 6095111	2	14			23,33	3,00	0,00	46,666667	2,92	
6	Practicum Animal Systematics	FST 6095112	0	0	1	14	0,00	3,00	35,00	23,333333	0,00	
7	Pancasila and Civic Education	NAS 6112201	3	14			35,00	3,00	0,00	56	3,76	
8	Cell Biology	FST 6095124	2	14			23,33	3,00	0,00	46,666667	2,92	
9	Introduction to Information and Communications Technology	FST 6091101	2	14			23,33	3,00	0,00	37,333333	2,55	
10	Practicum Qira'ah and Worship	UIN 6033205	2	14	0	0	23,33	3,00	0,00	56	3,29	
	Total SCU		21									
TOTAL ECTS FOR SEMESTER 2 THAT IS EQUAL TO 23 SCU =												
SEMESTER III												
1	Basic Ecology	FST 6095103	3	14			35,00	3,00	0,00	56	3,76	
2	Practicum Basic Ecology	FST 6095103	0	0	1	14	0,00	3,00	35,00	18,666667	0,00	
3	Genetics	FST 6095104	3	14			35,00	3,00	0,00	56	3,76	
4	Praktikum Genetics	FST 6095105	0	0	1	14	0,00	3,00	35,00	18,666667	0,00	
5	Basic Microbiology	FST 6096114	2	14			23,33	3,00	0,00	37,333333	2,55	
6	Practicum Basic Microbiology	FST 6096115	0	0	1	14	0,00	3,00	35,00	18,666667	0,00	
7	Plant Systematics	FST 6096116	3	14			35,00	3,00	0,00	56	3,76	
8	Practicum Plant Systematics	FST 6096117	0	0	1	14	0,00	3,00	35,00	18,666667	0,00	
9	Animal Structure and Development	FST 6096110	3	14			35,00	3,00	0,00	56	3,76	

No	Name of Course	Code of Course	Lecture (Face to Face) (SCU)	Number of lecture per Semester	Practical (at Laboratory or filed) (SCU)	Number of Practical Per Semester	Total Hours Lecture (Face to Face) Per Semester	Hours of Midterm And Final Exam Per Semester	Total Hours Practical	Total Hours of Structure and Self Study Per semester	Lecture (ECTS)	Practical (ECTS)
10	Practicum Animal Structure and Development	FST 6096111	0	0	1	14	0,00	3,00	35,00	18,666667	0,00	
11	Biochemistry	FST 6096225	2	14			23,33	3,00	0,00	37,333333	2,55	
12	Practicum Biochemistry	FST 6096226	0	0	1	14	0,00	3,00	35,00	18,666667	0,00	
	Total SCU		22							TOTAL ECTS FOR SEMESTER 3 THAT IS EQUAL TO 22 SCU =		
SEMESTER IV												
1	Elementary Statistics	FST 6094106	3	14			35,00	3,00	0,00	70	4,32	
2	Conservation Biology	FST 6095112	2	14			23,33	3,00	0,00	46,666667	2,92	
3	Microbial Physiology	FST 6095113	2	14			23,33	3,00	0,00	46,666667	2,92	
4	Animal Physiology	FST 6095114	3	14			35,00	3,00	0,00	70	4,32	
5	Practicum Animal Physiology	FST6095115	0	0	1	14	0,00	3,00	35,00	23,333333	0,00	
6	Plant Physiology	FST 6095116	3	14			35,00	3,00	0,00	70	4,32	
7	Practicum Plant Physiology	FST 6095117	0	0	1	14	0,00	3,00	35,00	23,333333	0,00	
8	Islam and Science	UIN 6032202	3	14			35,00	3,00	0,00	56	3,76	
	Mandatory Course		18									
	Electives		4									
1	Ornithology	FST 6095202	2	14			23,33	3,00	0,00	56	3,29	
2	Bacteriology	FST 6095204	2	14			23,33	3,00	0,00	56	3,29	
3	Phycology	FST 6095205	2	14			23,33	3,00	0,00	56	3,29	

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4	Terrestrial Ecology	FST 6095207	2	14			23,33	3,00	0,00	56	3,29	
5	Urban Entomology	FST 6095208	2	14			23,33	3,00	0,00	56	3,29	
6	Islamic Phylosophy	FL8011	2	14			23,33	3,00	0,00	56	3,29	
7	Science Phylosophy	FL4061	2	14			23,33	3,00	0,00	56	3,29	
	Total SCU		22									
TOTAL ECTS FOR SEMESTER 4 THAT IS EQUAL TO 23 SCU =												
SEMESTER V												
1	Molecular Biology	FST 6095118	2	14			23,33	3,00	0,00	56	3,29	
2	Practicum Molecular Biology	FST 6095119	0	0	1	14	0,00	3,00	35,00	28	0,00	
3	Natural Resource and Management	FST 6095120	2	14			23,33	3,00	0,00	56	3,29	
4	Principles of Biotechnology	FST 6095121	2	14			23,33	3,00	0,00	56	3,29	
5	Chemical Environment	FST 6096251	2	14			23,33	3,00	0,00	56	3,29	
6	Practicum Chemical Environment	FST 6096252	0	0	1	14	0,00	3,00	35,00	28	0,00	
7	Research Methodology	UIN 6000208	3	14			35,00	3,00	0,00	70	4,32	
	Mandatory Course		13							0		
	Electives		8							0		
1	Plant Tissue Cultur	FST 6095209	2	14			23,33	3,00	0,00	56	3,29	
2	Aquatic Ecology	FST 6095210	2	14			23,33	3,00	0,00	56	3,29	
3	Mycology	FST 6095211	2	14			23,33	3,00	0,00	56	3,29	
4	Ethology	FST 6095212	2	14			23,33	3,00	0,00	56	3,29	

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5	Secondary Metabolism	FST 6095213	2	14			23,33	3,00	0,00	56	3,29	
6	Mammology	FST 6095214	2	14			23,33	3,00	0,00	56	3,29	
7	Palynology	FST 6095215	2	14			23,33	3,00	0,00	56	3,29	
8	Population Genetics	FST 6095216	2	14			23,33	3,00	0,00	56	3,29	
9	Herpetology	FST6095217	2	14			23,33	3,00	0,00	56	3,29	
10	Ecotourism	FST6095218	2	14			23,33	3,00	0,00	56	3,29	
			21									
	Total SCU											
TOTAL ECTS FOR SEMESTER 5 THAT IS EQUAL TO 21 SCU =												
SEMESTER VI												
1	Evolution	FST 6095122	2	14			23,33	3,00	0,00	46,666667	2,92	
2	Introduction to Bioinformatics	FST 6095123	2	14			23,33	3,00	0,00	46,666667	2,92	
3	Scientific Communication Techniques	FST 6095124	2	14			23,33	3,00	0,00	46,666667	2,92	
4	Internship (PKL)	UIN 6000207	4	22			0,00	0,00	0,00	154	6,16	
	Mandatory Course		10							0		
	Electives		10							0		
5	Food Microbiology	FST 6095219	2	14			23,33	3,00	0,00	56	3,29	
6	Parasitology	FST 6095220	2	14			23,33	3,00	0,00	56	3,29	
7	Plant Ecophysiology	FST 6095221	2	14			23,33	3,00	0,00	56	3,29	

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8	Landscape Ecology	FST 6095222	2	14			23,33	3,00	0,00	56	3,29	
9	Ethnobotany	FST 6095223	2	14			23,33	3,00	0,00	56	3,29	
10	Embryology	FST 6095224	2	14			23,33	3,00	0,00	56	3,29	
11	Waste Treatment	FST 6095225	2	14			23,33	3,00	0,00	56	3,29	
12	Environmental Biotechnology	FST 6095226	2	14			23,33	3,00	0,00	56	3,29	
13	Plant Biotechnology	FST 6095227	2	14			23,33	3,00	0,00	56	3,29	
14	Introduction to Environmental Impact Analysis	FST6095228	2	14			23,33	3,00	0,00	56	3,29	
15	Immunology	FST 6095229	2	14			23,33	3,00	0,00	56	3,29	
16	Halal Food	FST 6095230	2	14			23,33	3,00	0,00	56	3,29	
17	Malacology	FST6095231	2	14			23,33	3,00	0,00	56	3,29	
18	Primatology	FST6095232	2	14			23,33	3,00	0,00	56	3,29	
19	Biology Strategy and Learning	FTK6017150	2	14			23,33	3,00	0,00	56	3,29	
20	Biology Learning Media and Technology	FTK6017153	2	14			23,33	3,00	0,00	56	3,29	
21	Evaluation of Biology Learning	FTK6017155	2	14			23,33	3,00	0,00	56	3,29	
23												
	Total SCU		20									
								TOTAL ECTS FOR SEMESTER 6 THAT IS EQUAL TO 21 SCU =				
SEMESTER VII												
1	Bioethics	FST6095125	2	14			23,33	3,00	0,00	46,666667	2,92	

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2	Technopreneurship	FST6092035	2	14			23,33	3,00	0,00	46,666667	2,92	
3	Community Service Program	UIN 6000206	4	24			0,00	0,00	0,00	154	6,16	
4	Proposal Seminar	FST 6095126	1	22			0,00	0,00	0,00	55	2,20	
	Mandatory Course		9							0		
	Electives		6							0		
4	Industrial Microbiology	FST6095233	2	14			23,33	3,00	0,00	56	3,29	
5	Phytopathology	FST6095235	2	14			23,33	3,00	0,00	56	3,29	
6	Plant Breeding	FST6095235	2	14			23,33	3,00	0,00	56	3,29	
7	Environmental Toxicology	FST6095237	2	14			23,33	3,00	0,00	56	3,29	
8	Biomaterials and Nanotechnology	FST6095238	2	14			23,33	3,00	0,00	56	3,29	
9	Genetical Modified	FST6095239	2	14			23,33	3,00	0,00	56	3,29	
10	Ichthyology	FST6095242	2	14			23,33	3,00	0,00	56	3,29	
11	Marine Biology	FST6095244	2	14			23,33	3,00	0,00	56	3,29	
12	Virology	FST6095240	2	14			23,33	3,00	0,00	56	3,29	
	Total SCU		15									
								TOTAL ECTS FOR SEMESTER 7 THAT IS EQUAL TO 8 SCU =				
SEMESTER VIII												
1	Final Project (Thesis)	UIN 6000312	6	30			0,00	0,00	0,00	330	13,20	

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2	Seminar	UIN 6000313	1	30			0,00	0,00	0,00	55	2,20	
	Total SCU		7					TOTAL ECTS FOR SEMESTER 8 THAT IS EQUAL TO 7 SCU =				
								Total Credits (SKS or SCU) for Completion of Bachelor Program				
			148					Total Credits (ECTS) for Completion of Bachelor Program				