

TRANSLATED VERSION OF DIPLOMA

Number: 462012021000479

SERIAL NUMBER : 2021118100661

MINISTRY OF EDUCATION, CULTURE, RESEARCH, AND TECHNOLOGY  
THE UNIVERSITY OF JEMBER

The Ministerial Decree PTIP Number 151 Year 1964 Dated 9 November 1964



This is to certify that

*Nadhea Ayu Sukma*

Student Number 171810401051 Year of Enrollment 2017

Born in Banyuwangi on 8<sup>th</sup> November 1998

has successfully accomplished on 28<sup>th</sup> July 2021 and fulfilled all academic requirements of Bachelor's Program of

The Faculty of Mathematics and Sciences

Department of Biology

Study Program of Biology

Thereby the holder is awarded a diploma and degree

*Sarjana Sains (S.Si.)*  
*(Bachelor of Science)*

with all the rights and responsibilities there to pertaining.

Certified in Jember on 9<sup>th</sup> October 2021.

Dean

Faculty of Mathematics and Sciences,

Achmad Sjaifullah

NIP 195910091986021001

Verified by

Vice Rector of Academic, Student and Alumni Affairs,

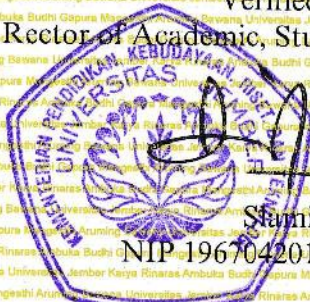
Rector,

Iwan Taruna

NIP 196910051994021001

Stamin

NIP 196704201992011001



NOMOR SERI : 2021118100661

# KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI UNIVERSITAS JEMBER

Keputusan Menteri PTIP No. 151 Tahun 1964 tanggal 9 November 1964

Nomor: 462012021000479

Dengan ini menyatakan bahwa

*Nadhea Ayu Sukma*

Nomor Induk Mahasiswa 171810401051 Tahun Masuk 2017

lahir di Banyuwangi tanggal 8 November 1998

dinyatakan lulus tanggal 28 Juli 2021 dan memenuhi segala syarat pendidikan pada

Program Sarjana Fakultas Matematika dan Ilmu Pengetahuan Alam

Jurusan Biologi

Program Studi Biologi

Kepadaanya diberikan ijazah dan gelar

*Sarjana Sains (S.Si.)*

beserta segala hak dan kewajiban yang melekat pada gelar tersebut.

Diberikan di Jember pada tanggal 9 Oktober 2021.



Dekan  
Fakultas Matematika dan Ilmu Pengetahuan Alam,

*Achmad Stafullah*  
Drs. Achmad Stafullah, M.Sc., Ph.D  
NIP 195910091986021001



  
Dekan Iwan Taruna, M.Eng.  
NIP 196910051994021001



# MINISTRY OF EDUCATION, CULTURE, RESEARCH, AND TECHNOLOGY THE UNIVERSITY OF JEMBER

The Ministerial Decree PTIP Number 151 year 1964 Dated 9 November 1964  
Address : Jln. Kalimantan No. 37 PO Box 159 Tegal Boto Campus Jember 68121  
Phone : 62 - 331 - 330224, 336580, 339029; Fak. 62 - 331 - 339029  
Website : [www.unej.ac.id](http://www.unej.ac.id)

## TRANSCRIPT

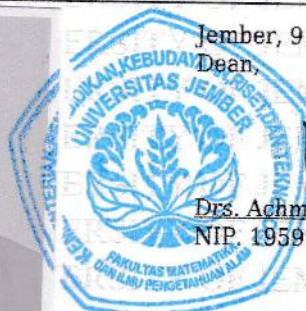
Number : 123/MIPA/S1.Transkrip/2021

FACULTY : MATHEMATICS AND SCIENCES  
DEPARTMENT : BIOLOGY  
STUDY PROGRAM : BIOLOGY  
NAME : NADHEA AYU SUKMA  
PLACE AND DATE OF BIRTH : BANYUWANGI, 8 NOVEMBER 1998  
REGISTRATION NUMBER : 171810401051  
ENROLMENT YEAR : 2017  
DATE OF GRADUATION : 28 JULY 2021  
CERTIFICATE SERIES NUMBER : 2021118100661  
CERTIFICATE NUMBER : 462012021000479

NO	COURSES	C	GRADES		G x C	NO	COURSES	C	GRADES		G x C
			LETTER	NUMBER					LETTER	NUMBER	
1	Fundamental Biology	4	A	4	16	27	Aquatic Ecology	3	A	4	12
2	Basic Chemistry	4	AB	3.5	14	28	Mycology	2	B	3	6
3	General Physics	4	A	4	16	29	Introduction to Human Resources Management	2	A	4	8
4	English	2	AB	3.5	7	30	Animal Physiology	4	AB	3.5	14
5	Islamic Education	2	A	4	8	31	Biogeography	4	A	4	16
6	Calculus	4	A	4	16	32	Bioinformatics	2	A	4	8
7	Cell Biology	2	A	4	8	33	Environmental Science	2	A	4	8
8	Plant Structure	4	A	4	16	34	Health Microbiology	2	A	4	8
9	Microbiology	3	A	4	12	35	Plant Physiology	4	A	4	16
10	Basic Biosystematics	2	AB	3.5	7	36	Biostatistics	2	AB	3.5	7
11	Indonesian	2	A	4	8	37	Tissue Culture	2	A	4	8
12	Biochemistry	3	A	4	12	38	Introduction to Entrepreneurship	2	A	4	8
13	Animal Structure	4	A	4	16	39	Mangrove Ecology	2	A	4	8
14	Indonesian Ideology	2	A	4	8	40	Phytoremediation	2	A	4	8
15	Protist	4	A	4	16	41	Research Methodology	2	A	4	8
16	Plant Development	3	AB	3.5	10.5	42	Community Services Training	3	A	4	12
17	Introduction to Environmental Science	2	A	4	8	43	Microbiological Analysis Techniques	2	A	4	8
18	Animal Development	3	A	4	12	44	Virology	2	A	4	8
19	Terrestrial Ecology	3	B	3	9	45	Evolution	3	A	4	12
20	Microbial Physiology	3	A	4	12	46	Health Biotechnology	3	A	4	12
21	Molecular Biology	4	A	4	16	47	Biokonversi	2	A	4	8
22	Genetics	4	A	4	16	48	Biological Conservation	2	A	4	8
23	Civic Education	2	A	4	8	49	Microtechnic	2	A	4	8
24	Diversity of Ecosystems	2	A	4	8	50	Tropical Forest Ecology	2	A	4	8
25	Animal Systematics	4	A	4	16	51	Final Project	6	A	4	24
26	Plant Systematics	4	A	4	16						
TOTAL		80			311.5	TOTAL		64			251

Title Of Final Project  
GROWTH PATTERN AND DEGRADATION POWER OF CAFFEINE-  
DEGRADING BACTERIA CONSORTIUM

Total Of Credits : 144  
Total Of Credits x Grades : 562.5  
Grade Point : 3.91  
Predicate : Cumlaude



Jember, 9 October 2021  
Dean,

*[Signature]*  
Drs. Achmad Sjaifullah, M.Sc., Ph.D  
NIP. 195910091986021001



# KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI UNIVERSITAS JEMBER

Keputusan Menteri PTIP No. 151 Tahun 1964 Tanggal 9 Nopember 1964  
Alamat : Jln. Kalimantan No. 37 PO Box 159 Kampus Tegal Boto Jember 68121  
Telepon : (0331) - 330224, 336580, 339029; Fak. (0331) - 339029  
Website : [www.unej.ac.id](http://www.unej.ac.id)

## TRANSKRIP

Nomor: 123/MIPA/S1.Transkrip/2021

FAKULTAS : MATEMATIKA DAN ILMU PENGETAHUAN ALAM NIM : 171810401051  
JURUSAN : BIOLOGI TAHUN MASUK : 2017  
PROGRAM STUDI : BIOLOGI TANGGAL LULUS : 28 JULI 2021  
NAMA : NADHEA AYU SUKMA NOMOR SERI UJASAH : 2021118100661  
TEMPAT, TANGGAL LAHIR : BANYUWANGI, 8 NOVEMBER 1998 NOMOR UJASAH : 462012021000479

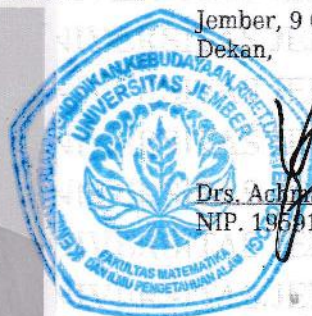
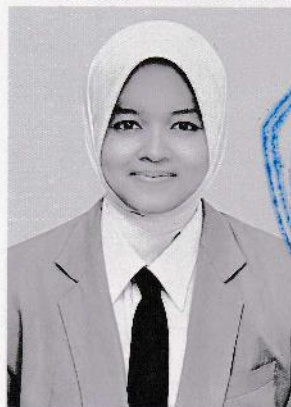
NO	MATAKULIAH	SKS	NILAI		N x K	NO	MATAKULIAH	SKS	NILAI		N x K
			HURUF	ANGKA					HURUF	ANGKA	
1	Biologi Dasar	4	A	4	16	27	Ekologi Akuatik	3	A	4	12
2	Kimia Dasar	4	AB	3.5	14	28	Mikologi	2	B	3	6
3	Fisika Dasar	4	A	4	16	29	Pengantar MSDM	2	A	4	8
4	Bahasa Inggris	2	AB	3.5	7	30	Fisiologi Hewan	4	AB	3.5	14
5	Pendidikan Agama Islam	2	A	4	8	31	Biogeografi	4	A	4	16
6	Kalkulus	4	A	4	16	32	Bioinformatika	2	A	4	8
7	Biologi Sel	2	A	4	8	33	Ilmu Lingkungan	2	A	4	8
8	Struktur Tumbuhan	4	A	4	16	34	Mikrobiologi Kesehatan	2	A	4	8
9	Mikrobiologi	3	A	4	12	35	Fisiologi Tumbuhan	4	A	4	16
10	Biosistematika Dasar	2	AB	3.5	7	36	Biostatistik	2	AB	3.5	7
11	Bahasa Indonesia	2	A	4	8	37	Kultur Jaringan	2	A	4	8
12	Biokimia	3	A	4	12	38	Pengantar Kewirausahaan	2	A	4	8
13	Struktur Hewan	4	A	4	16	39	Ekologi Mangrove	2	A	4	8
14	Pendidikan Pancasila	2	A	4	8	40	Fitoremediasi	2	A	4	8
15	Protista	4	A	4	16	41	Metodologi Penelitian	2	A	4	8
16	Perkembangan Tumbuhan	3	AB	3.5	10.5	42	KKN	3	A	4	12
17	Pengantar Ilmu lingkungan	2	A	4	8	43	Teknis Analisis Mikrobiologi	2	A	4	8
18	Perkembangan Hewan	3	A	4	12	44	Virologi	2	A	4	8
19	Ekologi Terrestrial	3	B	3	9	45	Evolusi	3	A	4	12
20	Fisiologi Mikroba	3	A	4	12	46	Bioteknologi Kesehatan	3	A	4	12
21	Biologi Molekuler	4	A	4	16	47	Biokonversi	2	A	4	8
22	Genetika	4	A	4	16	48	Konservasi Biologi	2	A	4	8
23	Pendidikan Kewarganegaraan	2	A	4	8	49	Mikroteknik	2	A	4	8
24	Keanekaragaman Ekosistem	2	A	4	8	50	Ekologi Hutan Tropis	2	A	4	8
25	Sistematika Hewan	4	A	4	16	51	Tugas Akhir / Skripsi	6	A	4	24
26	Sistematika Tumbuhan	4	A	4	16						
JUMLAH		80			311.5	JUMLAH		64			251

Judul Tugas Akhir  
POLA PERTUMBUHAN DAN DAYA DEGRADASI KONSORSIUM  
BAKTERI PENDEGRADASI KAFEIN

Jumlah SKS : 144  
Jumlah N x K : 562.5  
IP Kumulatif : 3.91  
Predikat : Dengan Pujian

Jember, 9 Oktober 2021  
Dekan,

Drs. Achmad Sjaifullah, M.Sc., Ph.D.  
NIP. 195910091986021001





**SURAT KETERANGAN PENDAMPING IJAZAH**

*Diploma Supplement*

Nomor: 123/MIPA/S1.SKPI/2021

Surat Keterangan Pendamping Ijazah (SKPI) merupakan dokumen yang menyatakan kemampuan kerja, penguasaan pengetahuan, dan sikap/moral pemegangnya. SKPI disiapkan oleh Universitas Jember sesuai dengan Kerangka Kualifikasi Nasional Indonesia (KKNI) dan Konvensi UNESCO tentang pengakuan studi, ijazah dan gelar pendidikan tinggi.

*A Diploma Supplement (DS) is a document that provides the information of work ability, mastery of knowledge and attitudes/morale of the holder. DS is prepared by the University of Jember based on the Indonesia Qualifications Framework (IQF) and the UNESCO Convention on the recognition of studies, diplomas and degrees of higher education.*

**1. IDENTITAS PEMEGANG SURAT KETERANGAN PENDAMPING IJAZAH**

*1. Identity of the Holder*

**NAMA LENGKAP**

*Full Name*

NADHEA AYU SUKMA

**TAHUN LULUS**

*Year of Completion*

2021

**TEMPAT, TANGGAL LAHIR**

*Place and Date of Birth*

BANYUWANGI, 8 NOVEMBER 1998

**NOMOR IJAZAH**

*Diploma Reference Number*

462012021000479

**NIM**

*Student Identification Number*

171810401051

**GELAR**

*Name of Qualification*

SARJANA SAINS (S.Si.)

**2. IDENTITAS PENYELENGGARA PROGRAM PENDIDIKAN**

*2. Identity of The University*

**SK PENDIRIAN PERGURUAN TINGGI**

*Decree of University Establishment*

SK Menteri PTIP No.151 tahun 1964 tertanggal 9 November 1964

*Decree Of The Minister of Higher Education and Science number 151 Year 1964*

**AKREDITASI PERGURUAN TINGGI**

*Accreditation of Institution*

A

A

**FAKULTAS**

*Faculty*

FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM

*Mathematics and Sciences*

**PROGRAM STUDI DAN AKREDITASI**

*Departement and Accreditation*

BIOLOGI DAN 2

*BIOLOGY AND 2*

**JENIS DAN JENJANG PENDIDIKAN**

*Type and Level of Education*

AKADEMIK (S1)

**JENJANG KUALIFIKASI SESUAI KKNI**

*Level of qualification in the National Qualification Framework*

LEVEL 6

**PERSYARATAN PENERIMAAN**

*Entry Requirement*

Lulusan SMA/MA/SMK/MK sederajat

*Graduate of Secondary School*

**BAHASA PENGANTAR DALAM PERKULIAHAN**

*Language of Instruction*

Bahasa Indonesia dan Bahasa Inggris pada program studi tertentu

*Indonesia and English in a Certain Subjects*

**SISTEM PENILAIAN**

*Grading System*

A=4, AB=3.5, B=3, BC=2.5, C=2, CD=1.5, D=1, DE=0.5, E=0

**LAMA STUDI REGULER**

*Required Length of Study*

4 (empat) tahun untuk Sarjana (S1)

*4 (four) years for Sarjana (S1)*

**JENIS DAN JENJANG STUDI LANJUTAN**

*Access for futher study*

MASTER (S2)

**SERTIFIKASI PROFESI (JIKA ADA)**

*Professional certificate (If Applicable)*

### 3. KUALIFIKASI DAN HASIL CAPAIAN PEMBELAJARAN

#### 3. Qualification and Achieved Learning Outcomes

##### A. Capaian Pembelajaran

###### SIKAP DAN TATA NILAI

Lulusan memiliki kepribadian sikap dan perilaku yang ditunjukkan dengan pengabdian kepada Tuhan Yang Maha Esa dan sikap keagamaan; menegakkan nilai-nilai kemanusiaan dalam menjalankan tugas berdasarkan agama, moral dan etika; kegiatan yang berkaitan dengan etika akademik; kontribusi pada peningkatan kualitas hidup masyarakat, bangsa, negara, dan peradaban berdasarkan Pancasila; kebanggaan, patriotisme, nasionalisme dan tanggung jawab kepada bangsa dan negara; apresiasi terhadap keragaman budaya, pandangan, agama, dan keyakinan, serta anti plagiarisme; taat hukum dan disiplin dalam kehidupan bermasyarakat dan bernegara

###### PENGUASAAN PENGETAHUAN

Lulusan memiliki penguasaan pengetahuan yang dibidangnya, ditunjukkan dengan penguasaan konsep teoritis di bidangnya secara umum dan konseptoritis bagian khusus secara mendalam, serta mampu menggunakannya dalam menyelesaikan masalah prosedural, dengan mempertimbangkan aspek lingkungan dan bisnis.

###### KETERAMPILAN UMUM

Lulusan memiliki ketrampilan umum dan khusus yang terkait dengan bidangnya, seperti ditunjukkan dengan Mampu mengambil keputusan yang akurat, didasari pada hasil analisis informasi dan data dengan mempertimbangkan pendekatan lingkungan, bisnis dan mampumengkomunikasi kannya serta mengedepankan keramahan sosial. Mampu memberikan kontribusi yang bertanggung jawab secara personal maupun dalam organisasi dengan keterbukaan, etis, adaptif dan sebagaipekerjasama yang handal. Mampu mengaplikasikan pengetahuan dan memanfaatkan bidang keahliannya secara adaptif terhadap lingkungan dan bisnis sebagai wujud pengembangan diri dalam bekerja dan bermasyarakat.

###### KETERAMPILAN KHUSUS

- Uji Kompetensi Kultur Jaringan level II oleh BNSP-LSP Pertanian Organik

##### B. Aktivitas, Prestasi dan Penghargaan

##### A. Learning Outcomes

###### ATTITUDE AND VALUES

*The graduate has personality shown by: his/her devotion to God Almighty and religious attitude; upholding values of humanity in the line of duty based on religion, morals and ethics; activities related to academic ethics; contribution for the improvement of life quality of the society, the nation, the state, and civilization based on Pancasila; pride, patriotism, nationalism and responsibility to the state and the nation; appreciation to the cultural diversity, views, religions, and beliefs, as well as awareness of being an anti-plagiarism; obedience of the law and discipline in the social and civil life.*

###### ACADEMIC CAPACITY

*The graduate has academic capacity performed by his/her mastery of theoretical concepts of the common field and in-depth mastery of particular theoretical concepts, capabilities to use it for problem solving concerning procedural issues by considering environmental and business aspects.*

###### TRANSFERABLE SKILL

*The graduate possesses transferable skills related to his/her field of study as demonstrated by: the ability to perform accurate decision making based on the results of information and data analysis by considering the environmental and business approaches; and by the ability to communicate and prioritizing social hospitality; capabilities to contribute personally and to contribute to the organisation transparently, ethically, adaptively as reliable cooperator; capabilities to apply knowledge and to use expertise adapted to the environment and the business as a form of self-development at work and in the society.*

###### SPECIFIC ABILITY

- competency certified of tissue culture Level II by BNSP-LSP Pertanian Organik

##### B. Activities, Achievements and Award

Lulusan juga memiliki nilai tambah dibidangnya ditunjukkan dengan adanya sertifikat kompetensi/ professional sebagai berikut :

- Peserta PELATIHAN KOMPUTASI "Be a Master Programming with Mathematical Computation Training"
- Peserta Kuliah Umum "Tren dan Aplikasi Bioteknologi untuk Kesejahteraan Manusia"
- Peserta Seleksi Tingkat Wilayah Olimpiade Nasional Matematika dan Ilmu Pengetahuan Alam Perguruan Tinggi 2019
- Peserta Workshop IT "Bulid Competent Generation with Technology for Better Future"
- Mentor Asisten Praktikum "Biologi Dasar, Mikrobiologi, Perkembangan Hewan, Kultur Jaringan, Fisiologi Mikroba, dan Virologi"
- Peserta Workshop Penulisan Artikel
- Peserta Pelatihan Program Kreativitas Mahasiswa "Menggali Kreativitas dan Potensi Mahasiswa dalam Pembuatan PKM"
- Peserta Webinar Series 3 "Pharmaceutical Science and Technology for the New Normal Era" (Pharmacotherapy Update on COVID-19" Aspek Klinis dan Tinjauan Molekuler)
- Mentor Praktikum Ilmu Dasar Keperawatan 2020
- Peserta Uji Kompetensi Kultur Jaringan Level II oleh BNSP-LSP Pertanian Organik
- Peserta Webinar "Memperiapkan Masyarakat Menghadapi New Normal"
- Peserta Webinar Peminatan PKIP FKM UNEJ (3) "Penulisan Artikel Kualitatif Terkait Pandemi COVID-19 dan Strategi Tembus Jurnal Bereputasi"
- Peserta Webinar "Konservasi Keanekaragaman Hayati dan tantangannya di Masa Pandemi COVID-19"
- Peserta Bimbingan Teknis Kompetensi Kultur Jaringan Level II
- Peserta Webinar Series 4 " Pharmaceutical Science and Technology for New Normal Era" (Tantangan dan Peluang Industri Farmasi di Era New Normal)
- Peserta Pelatihan Karya Tulis Ilmiah dan Program Kreativitas Mahasiswa "Menjadikan Generasi Muda sebagai Saintis Milenial dengan Karya Tulis yang Kreatif, Inovatif, dan Kompetitif"
- Peserta Seminar X Agromedis "Tetap Meneliti di Masa Pandemi"
- Peserta Pemilihan Mahasiswa Berprestasi 2020
- Peserta Webinar "Trend Masa Depan dan Pengembangan Obat COVID-19 di Indonesia"
- Peserta Webinar Nasional Series 7 "Potensi Pemanfaatan Obat Tradisional di Indonesia dan India dalam Penanganan COVID-19"
- Peserta Webinar "Peran Mikrobiologi di Industri 4.0" Institut Teknologi Sumatera
- Peserta Kompetisi Nasional Mahasiswa Bidang MIPA 2020
- Peserta Seleksi Kompetisi Nasional Matematika dan Ilmu Pengetahuan Alam 2020
- Peserta Kuliah Online Minat Riset Kimia Organik/Hayati Series 7 "Metabolit Sekunder Antikolesterol" (Metabolit Sekunder dari Famili Simaroubaceae sebagai Antikolesterol)
- Peserta Webinar Kajian Produk Berbahan Alam : Seri 1 " Preparasi dan Produksi Metabolit Sekunder dari Tumbuhan"
- Peserta Seminar Online "Out Door Biology Learning Urgensi Study Lapangan"
- Peserta RESEARCHER WEEK (Peningkatan Output Hasil Penelitian) Tips dan Trix Menulis dan Publikasi Artikel pada Jurnal Nasional Terakreditasi dan Internasional Bereputasi
- Peserta Virtual Seminar Nasional Biologi 3 "Peran Genetika Molekuler dalam Perspektif Konservasi Keanekaragaman Hayati"
- Peserta Kuliah Online Minat Riset Kimia Organik/Hayati Series 10 "Antimalaria : Tantangan dan Harapan" (Potensi Senyawa Aminoalkylated sebagai Antimalaria)
- Peserta Webinar "Kupas Tuntas Vaksin COVID-19"

The graduate has additional value as evinced by the certificate of competence or professional competence as follow:

- Participant of Computation Training "Be a Master Programming with Mathematical Computation"
- Participant of Stadium Generale "Trends and Applications of Biotechnology for Human Welfare"
- Participant of Competition on National Mathematics and Natural Sciences (KN MIPA)
- Participant of Workshop on Technology and Information "Bulid Competent Generation with Technology for Better Future"
- Tutor of Practical Assistance in Biology Courses
- Participant of Article Writing Workshop
- Participant of Training on Student Creativity Program "Exploring Student Creativity and Potential to Propose Student Creativity Proposal"
- Participant of Webinar Series 3 "Pharmaceutical Science and Technology for the New Normal Era" (Pharmacotherapy Update on COVID-19" Clinical Aspects and Molecular Overview)
- Tutor of Practical Assistance in Basic Nursing Course
- Participant of Competency Certification for Plant Tissue Culture Level II
- Participant of Webinar "Preparing Society for the New Normal"
- Participant of Webinar for PKIP FKM UNEJ Interesting (3) "Writing of Qualitative Articles Related to the COVID-19 Pandemic and Strategies for Transmitting Reputable Journals"
- Participant of Webinar on Biodiversity Conservation and its Challenges in the Time of the COVID-19 Pandemic
- Participant of Technical Guidance for Plant Tissue Culture Level II
- Participant of Webinar Series 4 "Pharmaceutical Science and Technology for the New Normal Era" (Challenges and Opportunities for the Pharmaceutical Industry in the New Normal Era)
- Participant of Scientific Writing Training and Student Creativity Program "Making the Young Generation as Millennial Scientists with Creative, Innovative, and Competitive Writing"
- Participant of Seminar on Agromedical X "Keep Researching in a Pandemic Period"
- Participant of Selection the Most Outstanding Students
- Participant of Webinar "Future Trends and Development of COVID-19 Drugs in Indonesia"
- Participant of National Webinar Series 7 "The Potential of Traditional Medicine Utilization in Indonesia and India in Handling COVID-19"
- Participant of Webinar "The Role of Microbiology in Industry 4.0" Sumatera Institute of Technology
- Participant of Competition on National Mathematics and Natural Sciences (KN MIPA)
- Participant of Competition on National Mathematics and Natural Sciences (KN MIPA)
- Participant of Online Lecture on Research Interest in Organic/Biological Chemistry Series 7 "Secondary Metabolites of Anticholesterol" (Secondary Metabolites of the Simaroubaceae Family as Anticholesterol)
- Participant of Webinar Study on Natural Products: Series 1 "Preparation and Production of Secondary Metabolites from Plants"
- Participant of Online Seminar "Out Door Biology Learning Urgency Field Study"
- Participant of RESEARCHER WEEK (Increasing Research Results Output) Tips and Tricks for Writing and Publication of Articles in Reputable National and International Accredited Journals
- Participant of Virtual National Biology Seminar 3 "The Role of Molecular Genetics in the Perspective of Biodiversity Conservation"
- Participant of Online Lecture on Research Interest in Organic/Biological Chemistry Series 10 "Antimalarial: Challenges and Hopes" (Potential of Aminoalkylated Compounds as Antimalarials)
- Participant of Webinar "Covid-19 Vaccine Peel"

Lulusan juga memiliki nilai tambah diluar bidangnya yang terkait ketrampilan dan sikap dalam kewirausahaan seperti ditunjukkan dengan partisipasi/ prestasinya dalam kegiatan sebagai berikut:

- Peserta Kuliah Umum " Pengembangan UKM melalui Standarisasi dan Penilaian Kesesuaian" Badan Standarisasi Nasional

Lulusan juga memiliki ketrampilan dan sikap adaptif terhadap perubahan, sadar lingkungan dan lingkungan sosial, pembelajar reflektif dan sebagai problem solver yang bertanggung jawab, ditunjukkan dengan partisipasi/ prestasinya dalam kegiatan sebagai berikut:

- Peserta Biologi Peduli Lingkungan 2018 di Pantai Payangan, Jember
- Peserta Biologi Peduli Lingkungan 2019 "One Mangrove, One Life, One Future" di Pantai Payangan, Jember
- Peserta Bina Desa 2019 "Satu Langkah kecil wujudkan Desa Mandiri"

Lulusan juga memiliki kemampuan untuk mempengaruhi dan mendorong orang lain agar bekerja keras dalam mencapai suatu tujuan, yang ditunjukkan oleh pengalamannya melalui kegiatan:

- Panitia Biological Science Day IX 2018
- Anggota Divisi Penelitian dan Pengembangan (Litbang) HIMPUNAN MAHASISWA JURUSAN BIOLOGI (HIMABIO) (2019)
- Panitia Biological Science Day X "Optimize Your Biology with Us!"
- Panitia Dies Natalis Himabio "Flaming Art : Flavouring Music with Art"

Lulusan juga memiliki kemampuan menyampaikan pendapat/gagasan yang efektif baik secara lisan maupun tulisan sesuai dengan kaidah komunikasi.

- Peserta Latihan Kepemimpinan Manajemen Mahasiswa-Tingkat Dasar (LKMM-TD) "Membangun Generasi Muda Berjiwa Kepemimpinan yang Berkarakter dan Berintegritas dalam Lingkup Keorganisasian"
- Peserta Pengenalan Kehidupan Kampus (PK2) Mahasiswa Baru Universitas Jember 2017/2018
- Peserta P2MABA JURUSAN BIOLOGI 2017
- Peserta P2MABA FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM 2017
- Peserta Diskusi Daring "RUU PUNGKAS (Penghapusan Kekerasan Seksual) Sebagai Upaya Menjaga Nilai kemanusiaan"
- Fasilitator Kuliah Umum "Cara Produksi Pangan Olahan yang Baik" Badan Standarisasi Nasional
- Peserta OPEN TALK "Stay Safe and Healthy on A New Normal Era"

Lulusan juga memiliki komitmen yang tinggi, dan mampu bertahan dalam menghadapi hambatan dan rintangan dalam mencapai tujuan, yang dapat ditelusuri dari berbagai pengalaman mahasiswa dalam berbagai kegiatan berikut:

- Peserta Kullah Kerja Nyata "Back to Village"

#### 4. Sistem Pendidikan Tinggi

Sistem Pendidikan Tinggi Pendidikan tinggi merupakan jenjang pendidikan setelah pendidikan menengah yang terdiri dari (1) pendidikan akademik yang memiliki fokus dalam penguasaan ilmu pengetahuan dan (2) pendidikan vokasi yang menitikberatkan pada persiapan lulusan untuk mengaplikasikan keahliannya; dan (3) pendidikan profesi bagi lulusan program sarjana yang dipersiapkan untuk memiliki keahlian khusus. Perguruan tinggi yang menyelenggarakan pendidikan akademis dalam jenjang pendidikan Sarjana (S1), Program Profesi, Magister (S2), Program Spesialis (SP1), Program Spesialis (SP2) dan Program Doktor (S3). Sedangkan pendidikan vokasi menawarkan program Diploma I, II, III dan IV, serta Magister dan Doktor Terapan.

The graduate also has additional value beyond his expertise pertinent to entrepreneurial skill and attitude as evinced by his participation or achievement in the following activities:

- Participant of Public Lecture "UKM Development through Standardization and Conformity Assessment" National Standardization Agency

The graduate also master skills, adaptive attitude to change, environmental awareness, and social milieu, and adaptive learning skill as well as responsible problem-solving ability as evinced by his participation or achievement in the following activities:

- Participant of Biological Social Events for Concerned the Environment
- Participant of Biological Social Events for Concerned the Environment "One Mangrove, One Life, One Future"
- Participant of Village Development Program "One small step to create an Independent Village"

The graduate also has the capability of influencing and encouraging others to work hard and achieve a goal, which is proven by his/her experiences in the following activities:

- Committee of Scientific Writing Competition and Biology Olympiad "Biological Science Day IX"
- Member of Research and Development Division (R & D) BIOLOGY STUDENTS ASSOCIATION (2019)
- Committee of Scientific Writing Competition and Biology Olympiad "Biological Science Day X"
- Committee of 22nd Biology Student Association (HIMABIO) "Bakteriophage" Diesnatalist

The graduate also has the ability to effectively convey opinion or idea, through either spoken or written communication, which adheres to communication convention.

- Participant of Training on Student Management Leadership in Basic Level
- Participant of New Students Orientation in the University of Jember
- Participant of New Student Orientation 2017 in the Department of Biology, Faculty of Mathematic and Natural Sciences, University of Jember
- Participant of New Student Orientation in Faculty of Mathematic and Natural Sciences, University of Jember
- Participant of Online Discussion on Elimination of Sexual Violence as an Effort to Maintain Human Values"
- Facilitator of Stadium Generale "Good Manufacturing Practices" National Standardization Agency
- Participant of Open Talk "Stay Safe and Healthy on A New Normal Era"

The graduate also has high commitment and the ability to withstand obstruction and challenges in achieving objectives, which can be traced from their various experiences in the following activities:

- Participant of Community Service Program "Back to Village"

#### 4. Higher Education System

The higher education system is the one conducted after secondary education, which comprises (1) academic education for knowledge mastery; and (2) vocational education for preconditioning graduates with expertise applications; (3) professional education for undergraduates with specialized expertise. Higher education institution with academic education offers programs consisting Bachelor, Master, Profession, Specialist 1 (SP1), Specialist 2 (SP2) and Doctorate Program. The vocational education institution conducts program including one-year Diploma (Diploma I), two-year Diploma (Diploma II), Three-year Diploma (D III) and four-year Diploma program (D IV), applied master and applied doctorate program.



Penyelenggaraan pendidikan menggunakan satuan kredit semester (sks) menyatakan besarnya beban studi mahasiswa, pengakuan atas keberhasilan usaha belajar mahasiswa dan besarnya usaha belajar yang diperlukan mahasiswa untuk menyelesaikan suatu program, baik program semesteran maupun program lengkap. Beban 1 sks merupakan satuan beban 170 menit kegiatan belajar mahasiswa per minggu per semester, dapat berupa kombinasi dari kegiatan tatap muka, tutorial, responsi, seminar dan kegiatan laboratorium, bengkel atau studio.

Kinerja mahasiswa dalam pembelajaran untuk suatu mata kuliah dinyatakan dengan huruf dan angka yang mencerminkan kualitas kinerja. Huruf A setara dengan angka 4 (empat) berkategori istimewa, huruf AB setara dengan angka 3,5 (tiga koma lima) berkategori sangat baik, huruf B setara dengan angka 3 (tiga) berkategori baik, huruf BC dengan angka 2,5 (dua koma lima) berkategori cukup baik, huruf C setara dengan angka 2 (dua) berkategori cukup, huruf CD setara dengan angka 1,5 (satu koma lima) berkategori kurang, huruf D setara dengan angka 1 (satu) berkategori kurang, huruf DE setara dengan angka 0,5 (nol koma lima) berkategori kurang, dan huruf E setara dengan angka 0 (nol) berkategori sangat kurang.

Penyelesaian program pendidikan tinggi ditandai dengan ketuntasan capaian pembelajaran disetiap program studi dan sesuai dengan jenjang pendidikannya. Program diploma satu dengan beban belajar paling sedikit 36 sks, diselesaikan dalam rentang waktu 2-4 semester. Program Diploma dua dengan beban belajar paling sedikit 72 sks, diselesaikan dalam rentang waktu 4-6 semester. Program diploma tiga dengan beban belajar paling sedikit 108 sks, diselesaikan dalam rentang waktu 6-8 semester. Program diploma empat setara dengan program sarjana, diselesaikan dengan beban belajar paling sedikit 144 sks, dalam rentang waktu 8-14 semester. Program profesi dengan beban belajar minimal 24 sks, diselesaikan dalam rentang waktu 2-6 semester setelah menyelesaikan program sarjana. Program magister dan magister terapan, dan spesialis dengan beban belajar minimal 36 sks, diselesaikan dalam rentang waktu 3-8 semester. Program doktor, doktor terapan, dan subspecialis beban belajar minimal 36 sks, 6-14 semester.

Penerimaan mahasiswa didasarkan atas beberapa persyaratan dan prosedur serta proses seleksi yang tidak diskriminatif dan berkualitas. Skema seleksi dilakukan secara nasional dan lokal. Seleksi nasional melalui jalur SNMPTN (Seleksi Nasional Masuk Perguruan Tinggi Negeri); dan SBMPTN (Seleksi Bersama Masuk Perguruan Tinggi Negeri). Mekanisme Seleksi Lokal atau Mandiri yang dilakukan oleh Universitas. Peserta Seleksi adalah lulusan pendidikan menengah atas atau yang sederajat dan lulus pada ujian masuk masing-masing perguruan tinggi. Kandidat mahasiswa S2 harus memiliki ijazah Sarjana (S1) atau yang sederajat dan lulus ujian seleksi masuk perguruan tinggi. Untuk S3, Mahasiswa harus memiliki ijazah S2 atau yang sederajat dan lulus seleksi masuk.

The System of Semester Credit Unit (SCU) is applied during the program to determine the load of subjects taken by the students and to indicate students' achievement and success during their study. The credit units also represent duration and expected academic work required by the student to finish the program both in one semester (6 months period) and in the entire time of study. The value of 1 SCU equals to 170 minutes of learning activity per week in one semester by combining activities of lectures, tutorials, responses, seminars, laboratory works, workshops or studio activities.

Students learning performance for one subject is marked in letters and numbers indicating the performance quality. Scaling System is determined as follows

Grade	GPA Value	Qualification
A	4	Excellent
AB	3.5	Very good
B	3	Good
BC	2.5	Satisfactory
C	2	Fair
CD	1.5	Poor
D	1	Poor
DE	0.5	Fail
E	0	Fail

A completion of a program is marked by a successful completeness of learning achievement in each study program in accordance with the level of education. Below is the period of completion

Program	Unit Credit Points to be completed	Period of Completion
Diploma I	36	2-4 semesters
Diploma II	72	4-6 semesters
Diploma III	108	6-8 semesters
Diploma IV (equals to undergraduate)	144	8-14 semesters
Profession	36	2-6 semesters (taken after bachelor degree completion)
Doctorate, applied doctorate, subspecialist	36	6-14 semesters

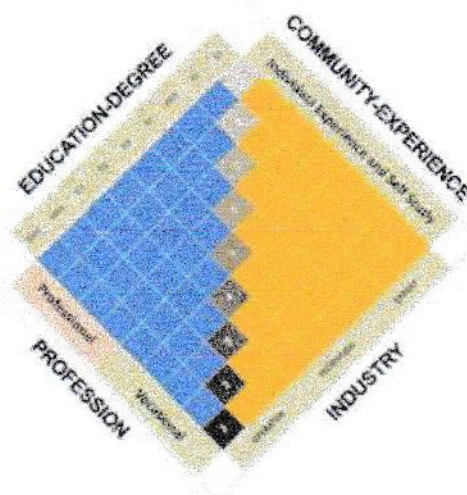
Student admission is based on requirements and procedures through indiscriminating and qualified selection process. The selection scheme is done nationally through SNMPTN (National Admission Selection for State University) and SBMPTN (National Admission Test for State University). Local Selection is conducted by the university. Eligibility for bachelor degree admission is specified to high school graduates. A bachelor degree is required for master program admission and a master degree is compulsory for doctorate program. Passing the university entrance test for the admission is prerequisite.

## 5. Kerangka Kualifikasi Nasional Indonesia

Kerangka Kualifikasi Nasional Indonesia (KKNI) adalah kerangka penjenjangan kualifikasi dan kompetensi tenaga kerja Indonesia yang menyandingkan, menyetarakan, dan mengintegrasikan sektor pendidikan dengan sektor pelatihan dan pengalaman kerja dalam suatu skema pengakuan kemampuan kerja yang disesuaikan dengan struktur di berbagai sektor pekerjaan. KKNI merupakan perwujudan mutu dan jati diri Bangsa Indonesia terkait dengan sistem pendidikan nasional, sistem pelatihan kerja nasional serta sistem penilaian kesetaraan capaian pembelajaran nasional, yang dimiliki Indonesia sebagai acuan dalam menghasilkan sumberdaya manusia yang bermutu dan produktif. Jenjang kualifikasi dalam KKNI adalah tingkat capaian pembelajaran yang disepakati secara nasional, disusun berdasarkan ukuran hasil pendidikan dan/atau pelatihan yang diperoleh melalui pendidikan formal, nonformal, informal, atau pengalaman kerja. Jenjang kualifikasi, dimulai dari kualifikasi 1 sebagai kualifikasi terendah hingga kualifikasi 9 sebagai kualifikasi tertinggi. Setiap sektor dan jenjang kualifikasi memiliki deskriptor tersendiri yang terdiri dari deskripsi umum dan deskripsi spesifik. Deskripsi umum mendeskripsikan karakter, kepribadian, sikap dalam berkarya, etika, moral dari setiap manusia dan berlaku pada setiap jenjang. Deskripsi spesifik mendeskripsikan cakupan keilmuan (science), pengetahuan (knowledge), pemahaman dan keterampilan yang dikuasai seseorang bergantung pada jenjangnya.

## 5. Indonesian National Qualification Framework

The Indonesian National Qualification Framework (IQF) is a framework denoting levels of Indonesian workforce qualifications and competence. The framework compares, equalizes, and integrates the education and training sectors as well as work experience in a scheme recognizing work competence based on the structures of various work sectors. The Framework manifests the quality and identity of the Indonesians in terms of the national education system, national workforce training system and standardized national learning outcomes. It works as a reference to produce qualified and productive human resources. IQF is an independent system bridging the education and training sectors to establish national human resources. It is qualified and certified through the scheme of formal, non-formal and informal education, job training or work experience. The qualification level is the level of nationally standardized learning outcome based on the outcome of education process and/or training acquired through formal education, non-formal, informal, or work experience as shown in Figure 1. IQF consists of nine (9) levels of qualification, starting from the scale of 1 to 9 from the lowest to the highest. IQF has general and specific descriptors. The general descriptors indicate the character, the personality, the work attitude, ethics and moral applicable at every level of the framework while specific descriptors demonstrate the scope of science, knowledge, understanding (know-how) and skills of student's capabilities referring to IQF qualification.



SKPI diberikan untuk mendeskripsikan hasil capaian pembelajaran dan kompetensi kerja lulusan yang diperoleh selama studi, baik melalui kegiatan Kurikuler, extra kurikuler, non-kurikuler dan pengalaman Kerja  
*The Diploma Supplement describes achieved learning outcomes and working competence of the graduates through academic and non-academic activities as well as working experiences and apprenticeship during the period of study.*

Jember, 11-10-2021  
Dekan Fakultas Matematika dan Ilmu Pengetahuan Alam  
Dean of Faculty of Mathematics and Sciences



Drs. Achmad Sjaifullah, M.Sc., Ph.D  
NIP. 195910091986021001

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**BADAN NASIONAL  
SERTIFIKASI PROFESI  
INDONESIAN PROFESSIONAL  
CERTIFICATION AUTHORITY**

# SERTIFIKAT KOMPETENSI CERTIFICATE OF COMPETENCE

**No. A 097 01619 01139 0000211 2020**

Dengan ini menyatakan bahwa,  
This is to certify that,

**Nadhea Ayu Sukma**

**No. Reg.KULJARTANKJ02 0211 2020**

Telah kompeten pada Bidang :  
Is competent in the area of :

**PERTANIAN  
AGRICULTURE**

Dengan Kualifikasi / Kompetensi :  
With Qualification / Competency :

**LEVEL II KULTUR JARINGAN  
Level II Tissue Culture**

Sertifikat ini berlaku untuk 3 ( tiga ) tahun  
This Certificate is valid for 3 ( three ) years

Malang, 24 September 2020

Atas Nama ( On Behalf of ) BNSP :  
**Lembaga Sertifikasi Profesi Pertanian Nasional  
National Agriculture Professional Certification Body**



**Drs. SURINI SANTOSO, M.Si**

**Ketua  
Chairman**



