



# Universitas Negeri Jakarta

## Diploma Supplement

The purpose of the Diploma Supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It is free from any value judgements, equivalence statements or suggestions about recognition. This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO.

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION	
1.1. Last nama(s)	1.2 First name(s)
[REDACTED]	Auliya
1.3 date of Birth (dd/mm/yy)	1.4 Student identification number or code (if available)
29 [REDACTED]	[REDACTED]
2. INFORMATION IDENTIFYING THE QUALIFICATION	
2.1 Name of qualification and (if applicable) title conferred (in original language)	2.2 Main field(s) of study for the qualification
Bachelor's Degree (Sarjana Strata 1)	Chemistry
2.3 Name and status of awarding institution (in original language)	
Universitas Negeri Jakarta	
2.4 Name and status of institution (if different from 2.3) administering studies (in original language)	2.5 Language(s) of instruction/examination
Same as 2.3	Indonesian Language
3. INFORMATION ON THE LEVEL AND DURATION OF THE QUALIFICATION	
3.1 Level of the qualification	3.2 Official duration of programme in credits years
Bachelor's Degree	4 years, 2 semester per year, 14 week of lecture and 2 weeks exam period per semester, 216-240 ECTS
3.3 Access requirements(s)	
Based on the Minister of Research, Technology and Higher Education Regulation Number 126 of 2016 concerning New Student Admissions for Undergraduate Programs at State Universities, carried out through: National Selection for State Universities (SNMPTN), Joint Selection for State Universities (SBMPTN), and Independent Selection. The SBMPTN is a selection based on the results of a written exam in printed form (paper based testing) or using a computer (computer based testing), or a combination of the results of a written exam and a skill test for prospective students, conducted jointly under the coordination of the central committee.	
4. INFORMATION ON THE PROGRAMME COMPLETED AND THE RESULTS OBTAINED	
4.1. Mode of Study	4.2 Programme requirements
Full-time	<b>Requirements</b> The Bachelor's Degree is awarded to students who have successfully completed all courses in the curriculum, and have obtained accumulative grade point average of at least 2.0 on scale 1.0-4.0

	<p><b>Objectives</b></p> <p>To possess academic capabilities, innovative, competitive, and lifelong learning as chemistry educators, novice researchers, and entrepreneurs, who are able to:</p> <ol style="list-style-type: none"> <li>1. possess academic capabilities, innovative, adaptive, competitive, and lifelong learning</li> <li>2. be professionals with attitudes, work ethics, responsibility, leadership, communication skills, professionalism, and can work individually and collaborate in groups</li> <li>3. argue scientifically to solve career, community, nation, and global problems</li> </ol>
4.3. Program Details	

CODE	COURSES	CREDIT	ECTS	SCORE	CREDIT x SCORE
32251011	Practicum of Basic Physics	1	1.5	B	3.0
33250903	Environmental Education	3	4.5	B+	9.9
30051121	Olympism	1	1.5	A	4.0
33250891	Practicum of Basic Chemistry I	1	1.5	A-	3.7
33150013	General Biology	3	4.5	B	9.0
32251012	Basic Physics	2	3.0	B+	6.6
31150703	Calculus	3	4.5	B	9.0
00051142	Indonesian Language	2	3.0	A	8.0
00051122	Pancasila	2	3.0	A	8.0
00052033	Islamic Education	3	4.5	A	12.0
33250152	Mathematical Chemistry	2	3.0	A	8.0
33150312	Laboratory Knowledge	2	3.0	A-	7.4
33250671	Practicum of Chemical Thermodynamic	1	1.5	A-	3.7
33150013	Practicum of Basic Chemistry II	1	1.5	A	4.0
33250513	Basic Chemistry II	3	4.5	B-	8.1
30050042	English	2	3.0	B-	5.4
33250702	Computer	2	3.0	A	8.0
00051262	Basic Social and Cultural Science	2	3.0	A	8.0
33250212	English for Chemistry	2	3.0	A-	7.4
33250662	Entrepreneurship	2	3.0	A	8.0
33250913	Basic Organic Chemistry	3	4.5	B-	8.1
33250251	Practicum of Synthesis Organic Chemistry	1	1.5	A	4.0
33250711	Practicum of Chemical Kinetics	1	1.5	A	4.0
33251002	Literature of Chemistry	2	3.0	B+	6.6
33250263	Chemical Kinetics	3	4.5	A	12.0
00051062	Civil Education	2	3.0	A	8.0
33250222	Practicum of Qualitative and Quantitative Analysis	2	3.0	A-	7.4
33250933	Qualitative and Quantitative Chemical Analysis	3	4.5	A	12.0
30055053	Atomic and Inorganic Compounds Structures	3	4.5	B+	9.9
33250422	Surface Chemistry	2	3.0	B	6.0
33250233	Separation Chemistry	3	4.5	B-	8.1
33250281	Practicum of Separation Chemistry	1	1.5	A-	3.7
33250803	Basics of Inorganic Reactions	3	4.5	B+	9.9
30055091	Practicum of Organic Reactions Basic and Structure	1	1.5	A	4.0

CODE	COURSES	CREDIT	ECTS	SCORE	CREDIT x SCORE
33151032	Practicum of Isolation and Characterization of Organic Compounds	2	3.0	A-	7.4
33250173	Stereo Chemistry	3	4.5	B+	9.9
33250343	Structure and Function of Biomolecules	3	4.5	A-	11.1
33250721	Practicum of Structure and Function of Biomolecules	1	1.5	A-	3.7
33250362	Nano science and Nanomaterial	2	3.0	A	8.0
33250323	Chemical Bonds	3	4.5	B	9.0
33250333	Instrumental Chemical Analysis	3	4.5	C+	6.9
33250393	Bimolecular Metabolism	3	4.5	B	9.0
30055131	Practicum of Coordination Chemistry	1	1.5	A-	3.7
33250742	Synthesis and Characterization of Nanomaterial	2	3.0	A	8.0
33250292	Practicum of Instrumental Chemical Analysis	2	3.0	A	8.0
30055151	Practicum of Bimolecular Metabolism	1	1.5	A	4.0
33250783	Molecule Spectroscopy	3	4.5	A-	11.1
33250382	Inorganic Chemistry Synthesis	2	3.0	B+	6.6
33250303	Coordination Chemistry	3	4.5	A	12.0
33251092	Statistics	2	3.0	A-	7.4
33250682	Elemental Chemistry	2	3.0	A	8.0
33250103	Molecular Structure Elucidation	3	4.5	B+	9.9
33250053	Research Methodology	3	4.5	A	12.0
33250632	Chemistry Seminar	2	3.0	A	8.0
33250872	Material Chemistry	2	3.0	A	8.0
33250861	Practicum Synthesis and Identification Inorganic Molecule	1	1.5	A-	3.7
33250183	Organic Compounds Reaction and Mechanism	3	4.5	B+	9.9
33250412	Bioinorganic	2	3.0	A	8.0
33250572	Solid Chemistry	2	3.0	A	8.0
33250582	Environmental Chemistry	2	3.0	A	8.0
33150802	Organometallic Chemistry	2	3.0	A	8.0
30052072	Thesis Proposal Seminar	2	3.0	A	8.0
00053002	Internship Program	2	3.0	A	8.0
33250562	Polymer Chemistry	2	3.0	A-	7.4
33250961	Practicum of Environmental Chemistry	1	1.5	A	4.0
33251053	Applied Electrochemistry	3	4.5	A-	11.1
33250032	Toxicology	2	3.0	A-	7.4
33250553	Microbiology	3	4.5	A	12.0
33250193	Chemical Thermodynamics	3	4.5	A-	11.1
30055024	Thesis	4	6.0	A	16.0

Number of Courses = 71

Total Credits = 155 (232,5 ECTS)

Total Weight = 558.3

$$= \left\{ \frac{\text{Total (Credits X Weight)}}{\text{Total Credits}} \right\} = \left\{ \frac{558.3}{155} \right\} = 3,60$$

GPA

Judicium = Very Satisfactory

4.4 Grading system and, if available, grade distribution table						4.5 Overall classification of the qualification (in original language)
Letter grades	Grade points	% points	Number of graduates	% of each evaluation	Traditional grading system	N.A
A	4	86-100			Excellent	
A-	3,67	81-85				
B+	3,33	76-80			Very Good	
B	3	71-75				
B-	2,67	66-70				
C+	2,33	61-65			Good	
C	2	56-60				
C-	1,67	51-55			Satisfactory	
D	1,7	46-50				
E	0	0-45			Fail	

## 5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study

5.2 Access to a regulated profession (if applicable)

May apply to the master programme

This degree enables the holder to practice the profession

## 6. ADDITIONAL INFORMATION

6.1 Additional information

6.2 Further information sources

N.A.

Program Degree of Chemistry Education,  
[www.fmipa.unj.ac.id](http://www.fmipa.unj.ac.id)

## 7. CERTIFICATION OF THE SUPPLEMENT

7.1 Date

7.2 Name and Signature

Jakarta, 27<sup>th</sup> September 2021

7.3 Capacity

Dean of Faculty of Mathematic and Sciences



Prof. Dr. Muktiningsih, M.Si  
 NIP. 196405111989032001

## 8. INFORMATION ON THE NATIONAL EDUCATION SYSTEM

### Structure and Degree System

The educational system in Indonesia is structured in streams consisting of formal education, nonformal education, and informal education. Formal education consists of three levels—basic, secondary, and higher education—and includes several types—general, vocational, professional, vocational-technical, religious, and special education. Early childhood education and Kindergartens are provided prior to basic education in all streams (formal, non-formal, and informal education). Basic education lays a foundation for secondary education and takes place in two stages: primary, Grades 1 to 6 (ages 7 to 12), and junior secondary, Grades 7 to 9 (ages 13 to 15). Secondary education (Grades 10 to 12, ages 16 to 18) is the continuation of basic education and comprises general secondary and vocational secondary education.

Two major categories in the Higher Education System in Indonesia are academic higher education (*pendidikan tinggi akademik*) and specific higher education (*pendidikan tinggi spesifik*). Government and private sector institutions can provide higher education in the form of universities (*universitas*), institutes (*institut*), polytechnics (*politeknik*), colleges/schools (*sekolah tinggi*), academies (*akademi*), and community colleges (*akademi komunitas*). Learning outcomes in higher education are part of the autonomous rights of each higher education institution. Each study program may choose to compile its own learning outcomes or tailor one based on a given template.

In the Indonesian education system, graduates of four-diploma and undergraduate programs have at least mastered the theoretical concepts of certain areas of knowledge and skills in general and the theoretical concepts of specific sections in these areas of knowledge and skills in depth. the calculation of the learning load in the block system, module, or other form is determined according to the needs in meeting learning outcomes. Bachelor's degree is obtained after a person has studied 4-7 years in a university. a minimum study load of 144 credits (216 ECTS). The Master Degree obtained in 2-4 years, a minimum study load 36 SKS (90 ECTS).

In higher education of Indonesia, the acquirement of competences in attitude, knowledge, and skills is partially obtained through work experience, which is either generally categorized as an internship (*kerja praktik*) or an apprenticeship (*pemagangan*). It is important to note that in practice the term internship is often used interchangeably among higher education institutions with fieldwork practice (*praktik kerja lapangan*), community service studies (*kuliah kerja nyata*), or a varied version of the three terms.

**The Indonesian Qualification Framework (IQF).** Based on the Presidential Decree Number 8/2012, The Standard Qualification of Higher education in Indonesia refers to Kerangka Kualifikasi Nasional Indonesia (the Indonesian National Qualification Framework, hence shorten as KKNl). Expected learning outcomes are formulated very clearly, because they are based on the formulation of KKNl and Standar Nasional Pendidikan Tinggi (National Standard for Higher Education, hence shorten as SN DIKTI). The Standard of Under graduated program based on The Indonesian Qualification Framework is level 6 and 7.

Higher Education Level						Award Degrees	Length (Year)	Minimum Completed learning Load (Semester credit units)	Total ECTS Credits (Year x 60 ECTS)	Total Students Workload (h) (1 ECTS=35-30h)
Type of Program	IQF (KKNl) Level									
Doctor, Applied Doctor, and Subspecialist	9	Doctorate	4-7	42	180 (min)	4.500-5400				
Master, Applied Master, and Specialist	8	Master's Degree	2-4	36	60-120	1.500-3.600				
General Profession	6 and 7	Bachelor's Degree	2-3	24	36-69	720-1.020				
Bachelor with Honours and Professional Bachelor	6 and 7	Non Degree	4-7	144	216-240	4.320-4.620				
Bachelor	5	Non Degree	3-5	108	162	3.240-3.540				
Associate	4	Non Degree	2-4	72	108	2.160-2.460				
1-Year Diploma	3	Non Degree	1-2	36	54	1.080-1.380				

  

Schooling Age	Formal Education				Nonformal Education	
	Higher Education	Doctoral Degree (Program Doktor S3)	Specialized II	Master's Degree (Program Magister S2)	Specialized I	Courses
22	Bachelor's Degree (Program Sarjana S1)	4-year Diploma (D4)	3-year Diploma (D3)	2-year Diploma (D2)		
21			1-year Diploma			
20						
19						
18	Secondary Education	Secondary School (Sekolah Menengah Atas/Madrasah Aliyah)	Vocational School (Sekolah Menengah Kejuruan)		Nonformal Secondary School (Paket C)	Home Schooling (Pendidikan Keluarga)
17						
16						
15						
14	Basic Education	Lower Secondary School (Sekolah Menengah Pertama/Madrasah Tsanawiyah)			Nonformal Lower Secondary School (Paket B)	Home Schooling (Pendidikan Keluarga)
13						
12						
11		Primary School (Sekolah Dasar/Madrasah Ibtidaiyah)			Nonformal Primary School (Paket A)	
10						
9						
8						
7						
6	Preschool	Kindergarten (Taman Kanak-Kanak/Raudatul Athfal)			Play group (Kelompok Bermain)	Home Schooling (Pendidikan Keluarga)
5					Child care (Tempat Penitipan Anak)	