



POLITEKNIK TEKNOLOGI NUKLIR INDONESIA BADAN RISET DAN INOVASI NASIONAL



I J A Z A H

diberikan kepada

IDA UKHRIZA UMAMI

Nomor Induk Mahasiswa: 021800011

lahir di Batang pada tanggal 06 Januari 2000 dengan Nomor Induk Kependudukan 3325064601000001.

Yang bersangkutan telah menyelesaikan pendidikan Sarjana Terapan pada

Program Studi Elektronika Instrumentasi

terakreditasi Baik Sekali berdasarkan Keputusan LAM Teknik No. 0095/SK/LAM Teknik/VST/VIII/2022

dan dinyatakan lulus pada tanggal 19 Agustus 2022,

sehingga kepadanya diberikan gelar

Sarjana Terapan Teknik (S.Tr.T.)

beserta hak dan kewajiban yang melekat.

Yogyakarta, 15 Oktober 2022

Direktur



Dr. Eng. ZAINAL ARIEF, S.T., M.T.

NIP. 19670128 199003 1 002



Wakil Direktur Bidang Akademik

Dr. MUHTADAN, M.Eng.

NIP. 19830301 200604 1 004

TRANSKRIP AKADEMIK
ACADEMIC TRANSCRIPT

No: 11/TA/Poltek Nuklir/ELINS/2022

Nama Mahasiswa : IDA UKHRIZA UMAMI
Name of Student

Tempat, Tanggal Lahir : Batang, 06 Januari 2000 / January 06, 2000
Place, Date of Birth

Nomor Induk Mahasiswa : 021800011
Student Registration Number

Program Studi : **Elektronika Instrumentasi**
Study Program
Elektronika Instrumentasi
(Accredited with "Very Good" from Independent Accreditation Institute of Engineering on August 21, 2022 with the Decree No. 0095/SK/LAM Teknik/VST/VIII/2022)

Tanggal Masuk : **03 September 2018 / September 03, 2018**
Date of Registration

Tanggal Kelulusan : **19 Agustus 2022 / August 19, 2022**
Date of Completion

Program Pendidikan : **Sarjana Terapan / Applied Bachelor**
Education Program

Gelar : **Sarjana Terapan Teknik / Bachelor of Applied Engineering**
Degree Granted

Prestasi Akademik
Academic Achievement

Jumlah Mata Kuliah : 71
Number of Subject

Jumlah SKS : 144
Number of Credit

Indeks Prestasi Kumulatif (IPK) : 3.72
Cumulative Grade Point Average

Predikat : Dengan Pujian
Predicate
Cumlaude

Keterangan Nilai
Score's Note

Huruf Alphabetical	Nilai Value	Makna Meaning
A	4	Sangat Baik Very Good
B	3	Baik Good
C	2	Cukup Average
D	1	Kurang Poor

IPK GPA	Predikat Predicate
≥ 3.51	Dengan Pujian (Masa Studi ≤ 4 tahun) Cumlaude (Study Period ≤ 4 years)
3.01 – 3.50	Sangat Memuaskan Very Satisfactory
2.76 – 3.00	Memuaskan Satisfactory

Yogyakarta, 15 Oktober 2022 / October 15, 2022



Direktur / Director

Dr. Eng. ZAINAL ARIEF, S.T., M.T.
NIP. 19670128 199003 1 002

Ketua Program Studi / Head of Study Program

Dr. SUTANTO, M.Eng.
NIP. 19820218 200604 1 016

DAFTAR NILAI AKADEMIK
LIST OF ACADEMIC SCORES

No.	Mata Kuliah	Subjects	SKS	Nilai	Bobot
			Credit	Grade	Weight
Semester I					
1	F201UW Fisika Dasar I	<i>Fundamentals of Physics I</i>	2	A	8
2	I101DW Bahasa Inggris	<i>English</i>	2	B	6
3	I200UW Praktikum Fisika Dasar I	<i>Practicum of Basic Physics I</i>	2	B	6
4	I202UW Matematika I	<i>Mathematics I</i>	2	A	8
5	I303UW Elektronika Dasar	<i>Fundamentals of Electronics</i>	2	A	8
6	I304UW Praktikum Elektronika Dasar	<i>Practicum of Basic Electronics</i>	2	A	8
7	I505DW Praktikum Teknologi Informasi	<i>Practicum of Information Technology</i>	1	A	4
8	N100DW Pendidikan Agama	<i>Religion Education</i>	2	A	8
9	N322UW Aplikasi Teknik Nuklir	<i>Application of Nuclear Engineering</i>	2	A	8
10	N404UW Keselamatan dan Kesehatan Kerja	<i>Occupation Health and Safety</i>	2	A	8
11	N405UW Praktikum Keselamatan dan Kesehatan Kerja	<i>Practicum of Occupational Health and Safety</i>	2	A	8
No.	Mata Kuliah	Subjects	SKS	Nilai	Bobot
			Credit	Grade	Weight
Semester II					
12	F202UW Fisika Dasar II	<i>Fundamentals of Physics II</i>	2	A	8
13	F203UW Alat Ukur dan Teknik Pengukuran	<i>Measuring Instrument and Measurement Technique</i>	2	A	8
14	I201UW Praktikum Fisika Dasar II	<i>Practicum of Basic Physics II</i>	2	B	6
15	I206DW Kimia Umum	<i>General Chemistry</i>	2	A	8
16	I305UW Elektronika Analog	<i>Analog Electronics</i>	2	A	8
17	I306UW Praktikum Elektronika Analog	<i>Practicum of Analog Electronics</i>	2	B	6
18	I311UW Praktikum Gambar Teknik Elektronika	<i>Practicum of Electrical Engineering Drawing</i>	2	A	8
19	N215DW Statistik	<i>Statistics</i>	2	A	8
20	N218UW Matematika II	<i>Mathematics II</i>	2	A	8
21	N524DW Praktikum Bahasa Inggris	<i>Practicum of English</i>	2	A	8
No.	Mata Kuliah	Subjects	SKS	Nilai	Bobot
			Credit	Grade	Weight
Semester III					
22	F205UW Praktikum Alat Ukur dan Teknik Pengukuran	<i>Practicum of Measuring Instrument and Measurement Technique</i>	2	A	8
23	F206UW Matematika Teknik	<i>Engineering Mathematics</i>	2	A	8
24	F207UW Termodinamika Teknik	<i>Engineering Thermodynamics</i>	2	B	6
25	I218UW Teknik Listrik	<i>Electrical Engineering</i>	1	A	4
26	I219UW Praktikum Pemrograman Komputer dan Struktur Data	<i>Practicum of Computer Programming and Data Structure</i>	2	A	8
27	I222DW Praktikum Teknik Listrik	<i>Practicum of Electrical Engineering</i>	2	A	8
28	I307UW Elektronika Digital	<i>Digital Electronics</i>	2	A	8
29	I308UW Praktikum Elektronika Digital	<i>Practicum of Digital Electronics</i>	2	A	8
30	N219UW Fisika Modern	<i>Modern Physics</i>	2	A	8
31	N220UW Alat Deteksi dan Pengukuran Radiasi	<i>Radiation Detection and Measurement Equipment</i>	2	A	8

No.	Mata Kuliah	Subjects	SKS	Nilai	Bobot
			Credit	Grade	Weight
Semester IV					
32	I230UW Pitrn dan Pembangkit Daya	Nuclear Power Plant and Power Generator	2	B	6
33	I309UW Dasar Teknik Kendali	Fundamentals of Control Engineering	2	B	6
34	I315UW Instrumentasi Nuklir	Nuclear Instrumentation	2	A	8
35	I316UW Praktikum Instrumentasi Nuklir	Practicum of Nuclear Instrumentation	2	B	6
36	I326UW Teknik dan Pengolahan Isyarat	Signal Processing Technology	2	B	6
37	I329UW Praktikum Sistem Mikroprosesor	Practicum of Microprocessor System	2	A	8
38	N101DW Bahasa Indonesia	Indonesian Language	2	B	6
39	N103DW Pendidikan Kewarganegaraan	Civic Education	2	A	8
40	N21UW Praktikum Alat Deteksi dan Pengukuran Radiasi	Practicum of Radiation Detection and Measurement Equipment	2	A	8
41	N25UW Perpindahan Panas	Heat Transfer	2	A	8
No.	Mata Kuliah	Subjects	SKS	Nilai	Bobot
			Credit	Grade	Weight
Semester V					
42	I313UW Teknik Instrumentasi dan Kendali	Instrumentation and Control Engineering	2	B	6
43	I314UW Elektronika Nuklir	Nuclear Electronics	2	B	6
44	I317UW Praktikum Teknik dan Instrumentasi Kendali.	Practicum of Control Instrumentation and Engineering	2	B	6
45	I318UW Praktikum Elektronika Nuklir	Practicum of Nuclear Electronics	2	B	6
46	I334UW Mikrokontroler dan Plc	Microcontroller and PLC	2	B	6
47	I335UW Praktikum Mikrokontroler dan Plc	Practicum of Microcontroller and PLC	2	B	6
48	I431DW Manajemen Mutu Industri	Industrial Quality Management	2	A	8
49	N104DWX Pancasila	Pancasila	2	A	8
50	N406UW Proteksi dan Keselamatan Radiasi	Radiation Protection and Safety	2	A	8
51	N407UW Praktikum Proteksi dan Keselamatan Radiasi	Practicum of Radiation Protection and Safety	2	A	8
No.	Mata Kuliah	Subjects	SKS	Nilai	Bobot
			Credit	Grade	Weight
Semester VI					
52	F314UW Teknik Uji Tak Rusak	Non Destructive Testing	2	A	8
53	F315UW Praktikum Teknik Uji Tak Rusak	Practicum of Non-Destructive Testing	2	A	8
54	I320UW Teknik Kendali Digital	Digital Control Engineering	2	B	6
55	I322UW Pemeliharaan Instrumentasi Nuklir	Nuclear Instrumentation Maintenance	2	A	8
56	I323UW Perancangan Instrumentasi	Instrumentation Design	2	B	6
57	I325UW Praktikum Pemeliharaan Instrumentasi Nuklir	Practicum of Nuclear Instrumentation Maintenance	2	A	8
58	I340UW Praktikum Sistem Kendali Terdistribusi	Practicum of Distributed Control System	2	A	8
59	I344UW Teknik Antarmuka Komputer dan Akuisisi Data	Computer Interface Engineering and Data Acquisition	2	B	6
60	I345UW Praktikum Antarmuka Komputer dan Akuisisi Data	Practicum of Computer Interface Engineering and Data Acquisition	2	A	8
61	N412DW Ekonomi Teknik	Engineering Economics	2	B	6

No.	Mata Kuliah	Subjects	SKS	Nilai	Bobot
			Credit	Grade	Weight
Semester VII					
62	I353DM Teknik Pencitraan Medik	Medical Imaging Technology	2	A	8
63	I354DM Praktikum Teknik Pencitraan Medik	Practicum of Medical Imaging Technology	2	A	8
64	I355DM Instrumentasi Medik	Medical Instrumentation	2	A	8
65	I356DM Praktikum Instrumentasi Medik	Practicum of Medical Instrumentation	2	A	8
66	I357DM Anatomi Fisiologi	Anatomy and Physiology	2	A	8
67	I358DM Praktikum Teknologi Akselerator	Practicum of Accelerator Technology	2	A	8
68	I446DW Metodologi Penelitian	Research Methodology	2	A	8
69	N415UW Praktikum Peraturan Perundang-undangan Ketenaganukliran	Practicum of Nuclear Regulatory Legislation	2	A	8
No.	Mata Kuliah	Subjects	SKS	Nilai	Bobot
Semester VIII					
70	TN1859 Kerja Praktik	Internship	3	A	12
71	TN1860 Tugas Akhir	Final Project	5	A	20
Judul Tugas Akhir: (Title of Bachelor Thesis)					
Karakterisasi Spektrometer X-MET8000 Handheld XRF Analyzer Untuk Analisis Paduan Logam					
Characterization of X-MET8000 Handheld XRF Analyzer Spectrometer For Metal Alloy Analysis					

Ketua Program Studi Elektronika Instrumentasi
Head of Electronic Instrumentation Study Program

Dr. Eng. Sutanto, M. Eng.
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