

CURRICULUM VITAE

PERSONAL INFORMATION

Name : Septian Rizldi
Place, Date of Birth : Sampit, 6 September 1998
Domicilie : Griya Candramas Blok IO No. 33 Sidoarjo
Sex : Male
Marital Status : Single
Email : septianrzld17@gmail.com
Linkedin : [linkedin.com/in/septianrizaldi](https://www.linkedin.com/in/septianrizaldi)



EDUCATIONAL BACKGROUND

Bachelor of Applied Science, Electric and Instrumentation Engineering (2017-2021)

Sepuluh Nopember Institute of Technology (ITS) - GPA: 3.01 of 4.00.

Final Task/ Thesis: "Design A Cost Effective Automatic Fish Cracker Dryer System in an Effort to Increase The Production and Hygiene of Fish Crackers in Kenjeran."

ABOUT ME

When I was college, I have experience practical work in instrument and Electrical Field Operator at the PT. Perta Daya Gas and learn about Identify Documents in instrumentation such as P&ID, PFD, Instrument Hook Up, Loop diagram, Wiring Diagram, Cause and Effect Diagram, Maintenance Instrument and Basic installation and sizing field instrument. Then, I have internship in my major to design sytem air conditioning in Laboratory Computer to make a system for controlling indoor air temperature and humidity automatically to maintain indoor thermal comfort. I activated involved in the organizational academic and non-academic programs such as Staff laboratory in Control & Safety Instrument Laboratorium and I was trusted to be a Deputy Head Department Internal of BEM Faculty of Vocations and was given the responsibility of open areas of talent interest and hold forums related to the internal conditions of the Vocational Faculty. Beside that. I also participated in the big event held by BEM ITS to Welcome the arrival of new student and i was participated as cadre chori for the Instrumentation Student Association. I am familiar with simulation & Design software such as Matlab, Proteus, Psim, Autocad P&ID, Sketch-Up, and Solidworks. Then PLC Software such as CX-One and DCS Software such as Centum VP.

WORK EXPERIENCE

- **Practical works or internship for 1 month at PT. Perta Daya Gas as Electrical and Instrument Field Operator, Semarang, Indonesia (June 2019 – July 2019)**
Identify Documents in instrumentation such as P&ID, PFD, Instrument Hook Up, Loop diagram, and Cause and Effect Diagram, Maintenance instrument and Basic installation and sizing field instrument, Identify Control System for Process gas engine compressor. Understand the process performance of the control system in the gas engine compressor and perform an analysis of the resulting process variables. Identify Monitoring Temperature, pressure, vibrayion for Process gas engine compressor.
- **Internship at Departement Instrumentation Engineering in Surabaya, Indonesia (September 2020-Janurary 2021)**
Identify the layout of the room to be controlled by the comfort conditions of the room, calculating the Cooling Load needs in each room and designing a system for controlling temperature and humidity in the room automatically to maintain thermal comfort in the room.

ORGANIZATION EXPERIENCE

- **Deputy Head Departement BEM Faculty of Vocations ITS (2020 – 2021)**
Discussions related to the problem internal family of instrumentation engineering students as well as academic at the Department level.

- **Staff of Wave Courses, Laboratory Control & Safety Departement Instrumentation (2019)**
Composing transverse wave practicum materials and sound waves, creating a schedule of practicum activities, and evaluating practicum activities.
- **Cadre Chori for The Instrumentation Student Association at Instrumentation Engineering (2019 – 2020)**
Creating a plot for the formation of new student characters in accordance with the vision and mission of the association, department and institute by looking at the existing and still relevant regulations
- **Mentor Group of New Student in GERIGI 2019 at Sepuluh Nopember Institute of Technology (2019)**
Provide a good example for new students and provide direction on what is on campus by looking at the situation, organization, student activities and others as well as providing materials that are in accordance with the needs of new students

ACHIEVEMENT

- **At the 2020 Electrical Competition (ELCO) with the theme "The Role of Indonesian Youth towards a Golden Indonesia Through Sustainable Development Goals 2045" At UNY as Participant.** With paper "Automatic Fish Dryer Using Split AC with Heating Dehumidifier Method to Face Sustainable Development Goals (SDG'S) Towards Golden Indonesia 2045."

CERTIFICATE AND TRAINING

- Training DCS Centum VP, Yokogawa Indonesia (2021)
- Training Safety Instrumented System, Yokogawa Indonesia (2021)

ABILITY

TOOLS & TECHNOLOGIES <ul style="list-style-type: none"> <input type="checkbox"/> MS. OFFICE <input type="checkbox"/> AUTOCAD & AUTOCAD P&ID <input type="checkbox"/> MATLAB <input type="checkbox"/> CX-ONE 	KNOWLEDGE <ul style="list-style-type: none"> ▪ INSTRUMENT (P,T,F,L) & SAEFTY ▪ ELECTRICAL WIRING ▪ MEASUREMENT & CALIBRATION ▪ F&G & HVAC SYSTEM ▪ C & LADDER DIAGRAM 	INTERPERSONAL SKILL <ul style="list-style-type: none"> <input type="checkbox"/> LEADERSHIP <input type="checkbox"/> PROBLEM SOLVING <input type="checkbox"/> INDONESIAN (active) <input type="checkbox"/> ENGLISH (passive)
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1. IJAZAH



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI
INSTITUT TEKNOLOGI SEPULUH NOPEMBER
Terakreditasi A oleh BAN-PT, SK No. 288/SK/BAN-PT/Akred/PT/XI/2018

No. 303022021000711

memberikan

IJAZAH

kepada:

Septian Rizaldi

Nomor Pokok Mahasiswa : 10511710000083
Nomor Induk Kependudukan : 3515170609980005
Lahir di Sampit, tanggal 9 Juni 1998

pada tanggal 25 Agustus 2021 telah menyelesaikan Pendidikan Sarjana Terapan (D4)
Program Studi Teknologi Rekayasa Instrumentasi
(Terakreditasi Baik oleh BAN-PT, SK No. 9079/SK/BAN-PT/Akred/ST/VI/2021)
berhak menyandang gelar

SARJANA TERAPAN TEKNIK (S.Tr.T.)

Diterbitkan di Surabaya pada tanggal 1 September 2021

DEKAN
Fakultas Vokasi

Prof. Ir. Muhammad Sigit Darmawan, M.Eng.Sc., Ph.D.
NIP 19630726 198903 1 003



REKTOR



Prof. Dr. Ir. Mochamad Ashari, M.Eng.
NIP 19651012 199003 1 003

ITS 0021018

2. TRANSKIP NILAI

INSTITUT TEKNOLOGI SEPULUH NOPEMBER TRANSKIP / ACADEMIC TRANSCRIPT



FAKULTAS
VOKASI
FACULTY OF
VOCATIONAL

Program Studi /
Study Program : Teknologi Rekayasa Instrumentasi /
Instrumentation Engineering Technology
Nama / Name : Septian Rizaldi
NRP / ID No : 10511710000083
Tempat, Tanggal Lahir /
Place, Date of Birth : Sampit
9 Juni 1998
Gelar / Degree : Sarjana Terapan Teknik (S.Tr.T.)

Indeks Prestasi / GPA : 3.01
Tahun Masuk / Entrance Year : 2017
Tahun Lulus / Graduation Year : 2021
Lama Studi / Length of Study : 8 semester
Predikat / Predicate : Sangat Memuaskan / Very Satisfactory
Nomor Ijazah / Diploma No : 303022021000711

No	Kode	Mata Kuliah	Sem	Kr	Nilai	No	Kode	Mata Kuliah	Sem	Kr	Nilai
1	GI141101	Pendidikan Agama Islam	1	2	A	21	VI180308	Geometri	3	3	BC
2	SK180101	Kimia 1	1	3	BC	22	VI180309	Termodinamika Terapan	3	3	AB
3	TF145211	Fisika Terapan	1	4	BC	23	VI180311	Ilmu	3	3	B
4	TF145212	Matematika Terapan	1	4	C	24	VI180414	Elektronika Digital	4	3	B
5	TF145214	Manajemen Teknik	1	2	AB	25	VI180416	Teori dan Transduksi	4	3	B
6	TF145313	Pengantar Metrologi dan Instrumentasi	1	2	AB	26	VI180416	Sistem Pengolahan Sinyal	4	3	B
7	TF145315	Informasi dan Komunikasi	1	2	BC	27	VI180418	Standard and Code	4	3	C
8	TF145316	Statistika	1	2	BC	28	VI180419	Elektronika	4	2	C
9	UG180712	Bahasa Indonesia	1	2	A	29	VI180501	Menggambar Instrumen	4	2	C
10	UG141105	Wawasan Kebangsaan	2	3	AB	30	VI180520	Instrumentasi	4	3	AB
11	UG141108	Bahasa Inggris	2	3	B	31	VI180521	Smart Technology Application	5	4	B
12	TF145321	Perencanaan Komputer	2	3	BC	32	VI180522	Microcontroller Programming	5	3	B
13	TF145322	Computer Programming	2	3	AB	33	VI180524	Teknik Otomasi	5	3	B
14	TF145323	Sistem Hidrolika dan Hidrolika Sistem	2	3	C	34	VI180526	Automation Engineering	5	3	B
15	TF145324	Rangkaian Listrik	2	3	B	35	VI180527	Transfer Panas	5	3	B
16	VI180303	Teknik Pengukuran dan Kalibrasi	2	3	B	36	VI180528	Science Knowledge: Daya Listrik	5	3	B
17	VI180305	Measurement and Calibration Techniques	2	3	B	37	VI180528	Rectifier Power Conversion Systems	5	2	C
18	VI180306	Applied Mathematics	2	3	AB	38	UG191915	Teknik Perawatan dan Perbaikan	5	2	C
19	VI180307	Elektronika Analog	2	3	AB	39	VI180529	Maintenance and Repair Techniques	5	2	C
20	VI180308	Analog Electronics	2	3	AB	40	VI180530	Technique	5	2	C
21	VI180309	Teknik Kalibrasi	2	3	AB	41	VI180531	Engineering Commissioning	5	3	AB
22	UG191913	Calibration Techniques	2	2	C	42	VI180532	Engineering Commissioning	5	3	AB
23	VI180310	Circuit	3	3	AB	43	VI180533	Sistem Transmisi	6	3	B
24	VI180311	System Dynamics	3	3	AB	44	VI180534	Embedded System	6	2	AB
25	VI180312	Instrumentation Engineering	3	3	AB	45	VI180535	HELO	6	2	AB
26	VI180313	Instrumentation Engineering	3	3	AB	46	VI180536	ASO	6	2	AB
27	VI180314	Instrumentation Engineering	3	3	AB	47	VI180537	Sistem Kontrol Terdistribusi	6	3	AB
28	VI180315	Instrumentation Engineering	3	3	AB	48	VI180538	Distributed Control System	6	3	AB
29	VI180316	Instrumentation Engineering	3	3	AB	49	VI180539	Sistem Instrumentasi Industri	6	3	AB
30	VI180317	Instrumentation Engineering	3	3	AB	50	VI180540	Industrial Instrumentation System	6	3	AB
31	VI180318	Instrumentation Engineering	3	3	AB	51	VI180541	Industrial Instrumentation System	6	3	AB
32	VI180319	Instrumentation Engineering	3	3	AB	52	VI180542	Industrial Instrumentation System	6	3	AB
33	VI180320	Instrumentation Engineering	3	3	AB	53	VI180543	Industrial Instrumentation System	6	3	AB
34	VI180321	Instrumentation Engineering	3	3	AB	54	VI180544	Industrial Instrumentation System	6	3	AB
35	VI180322	Instrumentation Engineering	3	3	AB	55	VI180545	Industrial Instrumentation System	6	3	AB
36	VI180323	Instrumentation Engineering	3	3	AB	56	VI180546	Industrial Instrumentation System	6	3	AB
37	VI180324	Instrumentation Engineering	3	3	AB	57	VI180547	Industrial Instrumentation System	6	3	AB
38	VI180325	Instrumentation Engineering	3	3	AB	58	VI180548	Industrial Instrumentation System	6	3	AB
39	VI180326	Instrumentation Engineering	3	3	AB	59	VI180549	Industrial Instrumentation System	6	3	AB
40	VI180327	Instrumentation Engineering	3	3	AB	60	VI180550	Industrial Instrumentation System	6	3	AB
41	VI180328	Instrumentation Engineering	3	3	AB	61	VI180551	Industrial Instrumentation System	6	3	AB
42	VI180329	Instrumentation Engineering	3	3	AB	62	VI180552	Industrial Instrumentation System	6	3	AB
43	VI180330	Instrumentation Engineering	3	3	AB	63	VI180553	Industrial Instrumentation System	6	3	AB
44	VI180331	Instrumentation Engineering	3	3	AB	64	VI180554	Industrial Instrumentation System	6	3	AB
45	VI180332	Instrumentation Engineering	3	3	AB	65	VI180555	Industrial Instrumentation System	6	3	AB
46	VI180333	Instrumentation Engineering	3	3	AB	66	VI180556	Industrial Instrumentation System	6	3	AB
47	VI180334	Instrumentation Engineering	3	3	AB	67	VI180557	Industrial Instrumentation System	6	3	AB
48	VI180335	Instrumentation Engineering	3	3	AB	68	VI180558	Industrial Instrumentation System	6	3	AB
49	VI180336	Instrumentation Engineering	3	3	AB	69	VI180559	Industrial Instrumentation System	6	3	AB
50	VI180337	Instrumentation Engineering	3	3	AB	70	VI180560	Industrial Instrumentation System	6	3	AB
51	VI180338	Instrumentation Engineering	3	3	AB	71	VI180561	Industrial Instrumentation System	6	3	AB
52	VI180339	Instrumentation Engineering	3	3	AB	72	VI180562	Industrial Instrumentation System	6	3	AB
53	VI180340	Instrumentation Engineering	3	3	AB	73	VI180563	Industrial Instrumentation System	6	3	AB
54	VI180341	Instrumentation Engineering	3	3	AB	74	VI180564	Industrial Instrumentation System	6	3	AB
55	VI180342	Instrumentation Engineering	3	3	AB	75	VI180565	Industrial Instrumentation System	6	3	AB
56	VI180343	Instrumentation Engineering	3	3	AB	76	VI180566	Industrial Instrumentation System	6	3	AB
57	VI180344	Instrumentation Engineering	3	3	AB	77	VI180567	Industrial Instrumentation System	6	3	AB
58	VI180345	Instrumentation Engineering	3	3	AB	78	VI180568	Industrial Instrumentation System	6	3	AB
59	VI180346	Instrumentation Engineering	3	3	AB	79	VI180569	Industrial Instrumentation System	6	3	AB
60	VI180347	Instrumentation Engineering	3	3	AB	80	VI180570	Industrial Instrumentation System	6	3	AB
61	VI180348	Instrumentation Engineering	3	3	AB	81	VI180571	Industrial Instrumentation System	6	3	AB
62	VI180349	Instrumentation Engineering	3	3	AB	82	VI180572	Industrial Instrumentation System	6	3	AB
63	VI180350	Instrumentation Engineering	3	3	AB	83	VI180573	Industrial Instrumentation System	6	3	AB
64	VI180351	Instrumentation Engineering	3	3	AB	84	VI180574	Industrial Instrumentation System	6	3	AB
65	VI180352	Instrumentation Engineering	3	3	AB	85	VI180575	Industrial Instrumentation System	6	3	AB
66	VI180353	Instrumentation Engineering	3	3	AB	86	VI180576	Industrial Instrumentation System	6	3	AB
67	VI180354	Instrumentation Engineering	3	3	AB	87	VI180577	Industrial Instrumentation System	6	3	AB
68	VI180355	Instrumentation Engineering	3	3	AB	88	VI180578	Industrial Instrumentation System	6	3	AB
69	VI180356	Instrumentation Engineering	3	3	AB	89	VI180579	Industrial Instrumentation System	6	3	AB
70	VI180357	Instrumentation Engineering	3	3	AB	90	VI180580	Industrial Instrumentation System	6	3	AB
71	VI180358	Instrumentation Engineering	3	3	AB	91	VI180581	Industrial Instrumentation System	6	3	AB
72	VI180359	Instrumentation Engineering	3	3	AB	92	VI180582	Industrial Instrumentation System	6	3	AB
73	VI180360	Instrumentation Engineering	3	3	AB	93	VI180583	Industrial Instrumentation System	6	3	AB
74	VI180361	Instrumentation Engineering	3	3	AB	94	VI180584	Industrial Instrumentation System	6	3	AB
75	VI180362	Instrumentation Engineering	3	3	AB	95	VI180585	Industrial Instrumentation System	6	3	AB
76	VI180363	Instrumentation Engineering	3	3	AB	96	VI180586	Industrial Instrumentation System	6	3	AB
77	VI180364	Instrumentation Engineering	3	3	AB	97	VI180587	Industrial Instrumentation System	6	3	AB
78	VI180365	Instrumentation Engineering	3	3	AB	98	VI180588	Industrial Instrumentation System	6	3	AB
79	VI180366	Instrumentation Engineering	3	3	AB	99	VI180589	Industrial Instrumentation System	6	3	AB
80	VI180367	Instrumentation Engineering	3	3	AB	100	VI180590	Industrial Instrumentation System	6	3	AB
81	VI180368	Instrumentation Engineering	3	3	AB	101	VI180591	Industrial Instrumentation System	6	3	AB
82	VI180369	Instrumentation Engineering	3	3	AB	102	VI180592	Industrial Instrumentation System	6	3	AB
83	VI180370	Instrumentation Engineering	3	3	AB	103	VI180593	Industrial Instrumentation System	6	3	AB
84	VI180371	Instrumentation Engineering	3	3	AB	104	VI180594	Industrial Instrumentation System	6	3	AB
85	VI180372	Instrumentation Engineering	3	3	AB	105	VI180595	Industrial Instrumentation System	6	3	AB
86	VI180373	Instrumentation Engineering	3	3	AB	106	VI180596	Industrial Instrumentation System	6	3	AB
87	VI180374	Instrumentation Engineering	3	3	AB	107	VI180597	Industrial Instrumentation System	6	3	AB
88	VI180375	Instrumentation Engineering	3	3	AB	108	VI180598	Industrial Instrumentation System	6	3	AB
89	VI180376	Instrumentation Engineering	3	3	AB	109	VI180599	Industrial Instrumentation System	6	3	AB
90	VI180377	Instrumentation Engineering	3	3	AB	110	VI180600	Industrial Instrumentation System	6	3	AB
91	VI180378	Instrumentation Engineering	3	3	AB	111	VI180601	Industrial Instrumentation System	6	3	AB
92	VI180379	Instrumentation Engineering	3	3	AB	112	VI180602	Industrial Instrumentation System	6	3	AB
93	VI180380	Instrumentation Engineering	3	3	AB	113	VI180603	Industrial Instrumentation System	6	3	AB
94	VI180381	Instrumentation Engineering	3	3	AB	114	VI180604	Industrial Instrumentation System	6	3	AB
95	VI180382	Instrumentation Engineering	3	3	AB	115	VI180605	Industrial Instrumentation System	6	3	AB
96	VI180383	Instrumentation Engineering	3	3	AB	116	VI180606	Industrial Instrumentation System	6	3	AB
97	VI180384	Instrumentation Engineering	3	3	AB	117	VI180607	Industrial Instrumentation System	6	3	AB
98	VI180385	Instrumentation Engineering	3	3	AB	118	VI180608	Industrial Instrumentation System	6	3	AB
99	VI180386	Instrumentation Engineering	3	3	AB	119	VI180609	Industrial Instrumentation System	6	3	AB
100	VI180387	Instrumentation Engineering	3	3	AB	120	VI180610	Industrial Instrumentation System	6	3	AB

Catatan Nilai / Grade Explanation (Points)

A : Intemer / Excellent (4)
AB : Baik Sekali / Very Good (3.5)
B : Baik / Good (3)
BC : Cukup Baik / Satisfactory (2.5)
C : Cukup / Fair (2)
D : Kurang / Poor (1)
E : Kurang Sekali / Very Poor (0)

Tugas Akhir / Final Project

RANCANG BANGUN SISTEM PENGENDALAN KURUP KAN OTOMATIS HEMAT BIAYA SEBAGAI UPAYA MENINGKATKAN HASIL PRODUKSI DAN HIGIENITASKURUP KAN DI KENJARAN
DESIGN A COST-EFFECTIVE AUTOMATIC FISH CRACKER DRYER SYSTEM IN AN EFFORT TO INCREASE THE PRODUCTION AND HYGIENE OF FISH CRACKERS IN KENJARAN

Pembimbing / Advisor : Brian Rofli S.M.T.



Prof. Dr. Ir. Mochamad Ashari, M.Eng.Sc., Ph.D.
NIP 19651012 199003 1 003

3. SERTIFIKAT GERIGI 2019



4. SERTIFIKAT YOKOGAWA INDONESIA

REF. NO : TRC21-VIII-474



YOKOGAWA

Certificate
OF APPRECIATION

Septian Rizaldi

In appreciation of your attendance to the training
Safety Instrumented System Appreciation

Conducted by PT. Yokogawa Indonesia, Plaza Oleos
August 9, 2021



Arsil Ardhy
Trainer



Embun Marintan
Training Center Lead

REF. NO : TRC21-VIII-494



YOKOGAWA

Certificate
OF APPRECIATION

Septian Rizaldi

In appreciation of your attendance to the training
Centum VP Basic Operation & Basic Engineering

Conducted by PT. Yokogawa Indonesia, Plaza Oleos
August 10 & 12, 2021



Desva Prinka Khoirun Nisa
Trainer



Embun Marintan
Training Center Lead

5. SERTIFIKAT ORGANIZATION



6. SERTIFIKAT PENGGANTI MAGANG



SERTIFIKAT
KELULUSAN TUGAS PENGGANTI MAGANG

DIBERIKAN KEPADA :
Septian Rizaldi
N R P : 10511710000083

Telah menyelesaikan TUGAS PENGGANTI MAGANG 14 SKS (Kode VI190731)
di Departemen Teknik Instrumentasi, Fakultas Vokasi, Institut Teknologi Sepuluh Nopember
selama 16 Minggu (02 September 2020 sampai 24 Desember 2020) dengan Judul :

"Design Air Conditioning Control System di ruangan DTIns"

Surabaya, 16 Februari 2021
Kepala Departemen Teknik Instrumentasi
Fakultas Vokasi - ITS

Dr. Ir. Totok Soehartanto, DEA
NIP : 19650309 199002 1 001

7. SERTIFIKAT TOEFL



Ministry of Education, Culture, Research, and Technology
Institut Teknologi Sepuluh Nopember
Centre for Languages and Cultures



To Whom it may concern

This is to certify that

Name : SEPTIAN RIZALDI
Registration Number : 10511710000083
Institution : Instrumentation Engineering

took the ITS EFL Test administered by Centre for Languages and Cultures - ITS on 20 August 2021 with the following results:

Listening Comprehension	: 48
Grammar	: 50
Reading Comprehension	: 47
Total Score	: 483

Score Range 310 - 627

Serial number : T/2817/IT2.IV.3.2.5/TU.00.00/REK.12021
Date of issuance : September 20, 2021
Valid for 2 years from the test date
Not to be photocopied



Director

Ratna Rintaningrum, S.S., M.Ed., Ph.D
NIP. 19710615 199802 2 001