CURRICULUM VITAE



ARI SENTOSA, S.T

E & I Technician / Electrical Engineer

+62 853 5558 3245
arisentosa09@gmail.com
www.linkedin.com/in/arisentosa

OBJECTIVE

I have been qualified as Instrument Inspector by IKBAL M Yos Batam. Experience both operation – project, oil & gas, chemical industry, food & beverage. Knowledgeable in the design of electrical, instrument, piping & instrument diagram systems, fabrication, installation, termination, completion, commissioning, hazardous area, follow safety rule and have concentrated knowledge of the implementation process as well. I have been experience leading teams and working collaboratively with others in fast - paced environments. Personal aptitude and experience working with engineering design software to achieve the result that match up to specifications and fit the job. Project management experience and ability to see projects through from concept, design to execution with teamwork.

PERSONAL DETAILS

Full name	: Ari Sentosa, S.T
Date of birth	: Duri, 02 September 1996
Nationality	: Indonesia
Phone	: +62 853 5558 3245
Email	: arisentosa09@gmail.com
Marital Status	: Single
Avaibility	: Immediately
Address	: Blok C3, Botania Garden, Belian, Batam, Kepulauan Riau, Indonesia

EDUCATIONAL BACKGROUND

Major	: Bachelor Degree of Electrical Engineering
University	: University of Muhammadiyah Yogyakarta - 2018
GPA	: 3.63 out of scale 4.00

PROFESIONAL TRAINING & COURSE

- COGII 40 – E & I Inspector – IKBAL M YOS Batam. No. Cert. On Process
- Instrument Maintenance Technician Level 2 BNSP – LSP IMI. No Cert. On Process

- EN : Basic of Explosion Protection (KHROHNE Oil & Gas – E-Learning)
- Basic Inspection Method (CWB Group – E-Learning)
- Oil & Mining Awareness Class – Global Integritas Sertifikasi
- Basic Instrument Inspection Training – Anak Teknik Indonesia
- Electrical Power System Analysis ETAP – Anak Teknik Indonesia
- Pelatihan Manajemen Resiko K3 – PT Borneo Indo Safety
- Site Quality Assurance for SF6 Gas Insulated Switchgear – High Volt Technology

EXPERIENCES

1. Course : Certified Oil & Gas Instrument Inspector 40 – IKBAL M YOS Batam
   Period : October 2021 – Febuary 2022
   Learn :

   Electrical & Instrument Document, Drawing, Safety in Oil & Gas, Cable Glanding, Fabrication, Termination, Support Installation, Cable Tray/Ladder, Cable Testing, Instrument Controller, Equipment Installation, WHCP, ITR, ITP, Hazardous Area, Fire & Gas System, PAGA System, ESD, Junction Box, Mechanical Completion, Commissioning, Calibration and Functional Test Instrument, E&I Inspection, Punch-List, Preservation, Material Selection.

2. Company : PT Aneka Gas Industri Tbk (Samator Group)
   Jobs : Staff CS Application Engineer & Technician
   Period : December 2019 – May 2021
   Job Descriptions:
   - Develop and maintain programs for preventive maintenance & corrective maintenance programs, and also ensure that all programmed are updated on company safety, compliance and standards.
   - Checking and Maintain a list of current assets, such as tank cryogenic and equipment the installation tank, piping, regulator, valve, pressure gauge, transmitter, flow meter, telemetry, pump, evaporator, freezing tunnel, panel control, termination, installation & maintenance.
   - Perform maintenance, repair and purging of all existing machinery and equipment
   - Responsible for the effective use of tools and minimizing machine damage
   - Make identification, analysis and resolve customer complaints quickly and accurately.
   - Maintaining document historical database (all documents, hard copy and soft copy) and make report to supervisor and manager in a timely manner.
   - Closely monitor maintenance order and preventive maintenance work via SAP and closing outstanding work via SAP.
   - Coordinate with other department and other suitable project.

3. Company : PT Indonesia Power UP Suralaya
   Jobs : Research for Final Skripsi
   Period : January 2018 – April 2018
   Job Description:

   In PLTU Suralaya, I analyzed the performance of generator, which at coal fired power plant Suralaya has generator with capacity 3400MW.

4. Company : PT Pertamina RU II Dumai
   Jobs : Internship Engineering (Electrical & Instrument Inspection Engineer)
   Period : October 2017 – November 2017
   Job Description:
   In Pertamina RU II, I conducted preventive maintenance of electrical equipment, relay protection, transformer ES#3 damage investigation with Dissolved Gas Analysis (DGA) method, Create report and Presentation.

PROJECT EXPERIENCES

1. PT Indofood CBP Sukses Makmur (May 2020)
   Overhaul Freezing Tunnel Machine and Installation
2. PT JFE Steel Galvanizing Indonesia (April 2020)
   Overhaul Maintenance Installation Hydrogen System & Leak Test
3. PT Hirundo (April 2020)
   Maintain Pump Leak and Tank
4. PT Kartika Tirta Hema (March 2020)
   Commissioning Installation, Test Pressure and Leak Test with Ventis Gas Detector
5. PT Coca Cola Amatil Indonesia (March 2020)
   Safety Valve Calibration & Maintain Installation N2
6. PT HCMI (Januari 2020)
   Calibration Safety Valve Tanki O2 and CO2
7. PT Samator Gas Industri Cilegon (December 2019)
   Overhaul Pump, Tank and Evaporator
8. PT Indonesia Power UP Suralaya (April 2018)
   Analysis of Excitation System of Synchronous Generator Performance
9. PT Pertamina RU II Dumai (November 2017)
   Investigation of damage transformer by using DGA

SKILLS

1. Computer Skills: Microsoft Office, ETAP, AutoCAD, PLC, SAP, Corel and Photoshop
2. Language Proficiency: Indonesian (Native), Malay (Professional), English (Professional)
3. Other Skills:
   - Understand in Electrical Instrument & Telecommunication (wiring diagram, cable gland, termination, technical drawing, troubleshooting, piping, hazardous area, PAGA, fire & gas, calibration, inspection, punch list, machine installation, etc.)
   - Good understanding in preventive and corrective maintenance
   - Good analysis and problem solving for continues improvement
   - Excellent in communication & presentation
   - Good to work as a teamwork, leadership, detail oriented and working attitude
   - Document Control

Yayasan Pendidikan "IKBAL - M - YOS" Batam

Ilmu Kelautan Bina Alumni Maritim @ Yos-Soedarso Batam, Kepri, Indonesia, as
Professional Maritime & Oil Offshore Engineering Vocational School & Trainings

IKBAL-M-YOS

TRAINING PROGRAMS:

1. MIGAS, APITINDO, DISNAKER & LA LPK:
   - Dual Certified Welding Inspector (CWII) including Competency Certification of Senior Welding Inspector (KKNI – VI) by BNSP and Accreditation by LA-LPK no: 783/ LA-LPK/XII/2017
   - Dual Certified Maritime & Oil Offshore Engineering Industries Coating Inspector (CMCII) Level II including Competency Certification of Coating Inspector by BNSP and Accreditation by LA-LPK no : 583/ LA-LPK/III/2019
   - Dual Certified Oil & Gas Industries Instrument Inspector (COGII) including Competency Certification of Maintenance Equipment Technician Level II (KKNI – V) by BNSP and Accreditation by LA-LPK no: 581/ LA-LPK/III/2019
   - Dual Certified Maritime Industries Safety Officer / Petugas Pengawas Keselamatan & Kesehatan Kerja (CMSOI / P2K3) including Competency Certification of Occupational Health & Safety Intermediate (KKNI – V) by BNSP and Accreditation by LA-LPK no: 782/ LA-LPK/XII/2017
   - Certified Surface Underwater Visual Inspector (CSUVI)
   - Certified Pressure Vessel Inspector (CPVI), optional ASME International NY
   - Certified Ship & Oil Offshore Engineering Survey for Non Surveyor (CSSI)
2. Assesment Center (Tempat Uji Kompetensi / TUK) of LSP Inspektur Maritim Indonesia Licensed by Badan Nasional Sertifikasi Profesi (BNSP) - (www.lsp-imi.org)
3. Authorized Training Establishment (ATE) For Training & Certification NDT (VT, MT, PT, UT, RI) Level 2 Based on EN 473 / ISO 9712 Certified by RTC Testing & Diagnostic as UKAS Accredited Certification Body
4. MIGAS, APITINDO, DISNAKER, LA-LPK & ASNT LEVEL III, Certified ASNT UT, RI, MT, PT, & ET Level II and Accreditation by LA-LPK no: 582/ LA-LPK/III/2019
5. APITINDO, DISNAKER, DINDIK, Certified Maritime & Offshore Engineering (CMOE)
6. ISO 9001 : 2015 training program and Other Training Program (OTP), etc

BANK ACCOUNT BNI 1946 BATAM, attn. Yayasan IKBAL-M-YOS, No. 0062246158

SURAT IZIN KEPALA BPM-PTSP PEMKO BATAM NO.0003/LPK/BPMPTSP-BTM/II/2016 MELALUI: SK DISNAKER BATAM NO.0015/TK.3/I/2016, APITINDO NO. 116/AP-KU/XI/2000, SKT MIGAS NO. 166/1/SKT-02/PMDN/2015, ASME INTERNATIONAL NY, USA MoU DATED 05 MAY 2003, MEMBER OF SWS – C1751, MEMBER OF NDTSS (SINGAPORE) NO. 420512, MEMBER OF BRITISH INSTITUTE OF NDT NO. 009861, MEMBER OF ASNT NO. 185958, EN 473 / ISO 9712 NDT Level 2 AUTHORIZED TRAINING ESTABLISMENT (ATE) NO. ATE/IDNO1, ASSESMENT CENTER (TUK) OF LSP INSPEKTUR MARITIM INDONESIA,SK-002 & SK-003/LSP-IMI/XII/2013.

No : 16386/EM/2022

OIL & GAS INDUSTRIES INSTRUMENT INSPECTOR

With this letter we are please to certify that mentioned below :

Name	:	**ARI SENTOSA**
Place of Birth / Date	:	Duri / 02 September 1996
Address	:	Perumahan Botania Garden Block C3 RT 001 RW 043 No.9 Belian Batam
Hand Phone	:	(+62) 853 5558 3245
Age	:	25 years old

Is one (1) of our student on "Oil & Gas Industries Instrument Inspector Course" 40th enrollment, Conducted in association with MIGAS, APITINDO, BNSP and DISNAKER.

The course was completed on 26 January 2022 and
The related certificate still in processing progress.

This interim certificate is issued without prejudice and valid upon received original certificate.

Batam, 09 February 2022
Director
Yayasan Ikbal-M-Yos Batam
Ronny Andalas
By,

Eko Julianto
General Secretary

Kampus Utama : Garama Citra Hill Complex Block R No. 3, 4, 6 & 7, Jl. Yos Soedarso, Batu Ampar, Pulau Batam 29432
Phone : (0778) 412757, 413010, Fax : (0778) 413470
Kampus II : Taman Merapi Subur Complex Block A1, No. 3, 4, & 5, Tembesi Batu Aji , Batam
Phone : (0778) 7375437, Fax: (0778) 7375436
Email: ikbalmyos@ikbalmyos.com or kampusdua@ikbalmyos.com or pakartek@ikbalmyos.com
Website: www.ikbalmyos.com

13-15962

MAJELIS PENDIDIKAN TINGGI PIMPINAN PUSAT MUHAMMADIYAH

UNIVERSITAS MUHAMMADIYAH YOGYAKARTA

Terakreditasi "A", berdasarkan Surat Keputusan Badan Akreditasi Nasional Pendidikan Tinggi, Nomor: 5237/SK/BAN-PT/Akred/PT/XII/2017, tanggal 27 Desember 2017
***Accredited "A"**, based on The Decree of The National Higher Education Accreditation Board, Number: 5237/SK/BAN-PT/Akred/PT/XII/2017, on December 27, 2017*

Nomor Akta Pendirian / *Number of Establishment Certificate* : A-1/01.E/PW/1981, 26 Maret 1981
Keputusan Menteri Pendidikan dan Kebudayaan Republik Indonesia / *Decree of The Ministry of Education and Culture Republic of Indonesia* : 0417/0/1985, 1 Oktober 1985

بِسْمِ اللَّهِ الرَّحْمَٰنِ الرَّحِيمِ

I J A Z A H

Nomor Seri Ijazah / *Serial Number of Certificate* : 43146/UMY/T/0112/VII/2018
NIN : 202012018000865

Dengan ini menyatakan bahwa / *This is to confirm that :*

ARI SENTOSA

Tempat dan Tanggal Lahir / *Place and Date of Birth* : Duri, 2 September 1996
Nomor Pokok Mahasiswa / *Student Number* : 20140120112

Telah menyelesaikan dan memenuhi semua persyaratan pendidikan jenjang Strata-1 serta dinyatakan lulus pada tanggal 28 Mei 2018
Has successfully fulfilled all prescribed requirements of the Stratum-1 on May 28, 2018

Pada / *At the* :
Fakultas / *Faculty* : Teknik / *Engineering*
Program Studi / *Study Program* : Teknik Elektro / *Electrical Engineering*

kepadanya dilimpahkan segala hak dan kewajiban yang berhubungan dengan ijazah yang dimilikinya, serta berhak memakai gelar

Sarjana Teknik (S.T.)

*rightfully uses the degree of **Bachelor of Engineering**, and is therefore awarded all the rights and obligations granted to the degree.*



Rektor / *Rector*

Dr. Ir. Gunawan Budiyanto, M.P.
NIP. 19601120 198903 1 001

Yogyakarta, 21 Juli 2018
Dekan / *Dean*

Ir. Ghazul Ikhsan, S.T., M.T., Ph.D.
NIK. 19720524199804 123 037

UMY UNIVERSITAS MUHAMMADIYAH YOGYAKARTA

Unggul & Islami

TRANSKRIP AKADEMIK *(ACADEMIC TRANSCRIPT)*

No. 058/A.4-II/TRANS-TE/VII/2018

Nama *Name*	:	**Ari Sentosa**
Tempat, Tanggal Lahir *Place and Date of Birth*	:	**Duri, 2 September 1996**
Nomor Mahasiswa *Registration Number*	:	**20140120112**
Nomor Seri Ijazah *Serial Number of Certificate*	:	**43146/UMY/T/0112/VII/2018**
Nomor Akta Pendirian *Number of Establishment Certificate*	:	**A-1/01.E/PW/1981, 26 Maret 1981**
Fakultas / Program Studi *Faculty / Department*	:	**Teknik / Teknik Elektro** *Engineering / Electrical Engineering*

DAFTAR NILAI *(LIST OF GRADES)*

NO.	Matakuliah	*Subjects*	SKS *Credit*	NILAI *Grades*
1	Agama I	*Religious I*	2	B
2	Bahasa Indonesia	*Bahasa Indonesia*	2	B
3	Pancasila dan Kewarganegaraan	*Pancasila and Civic Education*	3	A
4	Bahasa Inggris I	*English I*	2	B
5	Kalkulus	*Calculus*	3	B
6	Fisika Elektro	*Electrical Physics*	2	A
7	Kimia Teknik dan Ilmu Lingkungan	*Engineering Chemistry and Environmental Science*	3	B
8	Pengantar Teknik Elektro	*Introdiction to Electrical Engineering*	3	A
9	Laboratorium Pengantar Teknik Elektro	*Introdiction to Electrical Engineering Laboratory*	1	B
10	Agama II	*Religious II*	2	B
11	Bahasa Inggris II	*English II*	2	B
12	Matematika Elektro	*Electrical Mathematics*	3	A
13	Organisasi dan Arsitektur Komputer	*Computer Organization and Architectures*	2	A
14	Rangkaian Listrik	*Electric Circuits*	4	A
15	Laboratorium Rangkaian Listrik	*Electric Circuits Laboratory*	1	B
16	Sistem Tenaga Listrik	*Electrical Power System*	4	A
17	Laboratorium Sistem Tenaga Listrik	*Electrical Power System Laboratory*	1	A
18	Pengukuran Besaran Listrik	*Electrical Measurement*	2	B
19	Kemuhammadiyahan	*Kemuhammadiyahan*	2	B
20	Bahasa Inggris III	*English III*	2	B
21	Rangkaian Elektronika	*Electronics Circuits*	4	B
22	Laboratorium Rangkaian Elektronika	*Electronics Circuits Laboratory*	1	B
23	Teknologi dan Aplikasi Elektromagnetik	*Electromagnetics Technology and Application*	3	A
24	Mesin-mesin Listrik	*Electric Machines*	4	A
25	Laboratorium Mesin-mesin Listrik	*Electric Machines Laboratory*	1	B
26	Algoritma dan Pemrograman	*Algorithms and Programming*	2	B
27	Laboratorium Algoritma dan Pemrograman	*Algorithms and Programming Laboratory*	1	A
28	Hukum Perburuhan	*Labor Law*	2	A
29	Bahasa Inggris IV	*English IV*	2	A
30	Manajemen Bisnis Ketenagalistrikan	*Electrical Power Business Management*	2	A
31	Probabilitas dan Statistika	*Probability and Statistics*	2	B
32	Metode Numerik dan Komputasi	*Numerical Methods and Computing*	2	A
33	Laboratorium Metode Numerik dan Komputasi	*Numerical Methods and Computing Laboratory*	1	A
34	Sistem Kontrol dan Instrumentasi	*Control System and Instrumentation*	3	B
35	Laboratorium Sistem Kontrol dan Instrumentasi	*Control System and Instrumentation Laboratory*	1	A
36	Sistem Telekomunikasi	*Telecommunication System*	3	A
37	Laboratorium Sistem Telekomunikasi	*Telecommunication System Laboratory*	1	A
38	Technopreneurship	*Technopreneurship*	2	A
39	Bahasa Inggris V	*English V*	2	A
40	Metode Optimasi	*Optimization Methods*	2	B

Bersambung ke sebaliknya *(Continued)*

ADDRESS
Kampus Terpadu UMY
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+62 274 387646 - Ext. 115

www.umy.ac.id

Nama / *Name* : **Ari Sentosa**

Nomor Mahasiswa / *Registration Number* : **20140120112**

DAFTAR NILAI *(LIST OF GRADES)*

NO.	Matakuliah	*Subjects*	SKS *Credit*	NILAI *Grades*
41	Sistem Digital	*Digital Systems*	2	B
42	Laboratorium Sistem Digital	*Digital Systems Laboratory*	1	B
43	Sinyal dan Sistem	*Signals and Systems*	3	A
44	Pengolahan Sinyal Digital	*Digital Signal Processing*	2	A
45	Teknik Instalasi Listrik	*Electrical Installation Techniques*	2	B
46	Laboratorium Teknik Instalasi Listrik	*Electrical Installation Techniques Laboratory*	1	B
47	Mikrokontroler dan Robotika	*Microcontroller and Robotics*	2	A
48	Laboratorium Mikrokontroler dan Robotika	*Microcontroller and Robotics Laboratory*	1	A
49	Bahasa Inggris VI	*English VI*	2	A
50	Elektronika Daya dan Electrical Drives	*Power Electronics and Electrical Drives*	3	A
51	Laboratorium Elektronika Daya dan Electrical Drives	*Power Electronics and Electrical Drives Laboratory*	1	A
52	Kerja Praktek	*Job Training*	2	A
53	Jaringan Komputer	*Computer Networks*	2	A
54	Laboratorium Jaringan Komputer	*Computer Networks Laboratory*	1	B
55	Instalasi Listrik Gedung Bertingkat	*Electrical Installation for High Rise Building*	3	B
56	Laboratorium Instalasi Listrik Gedung Bertingkat	*Electrical Installation for High Rise Building Laboratory*	1	A
57	Sistem Komunikasi Digital	*Digital Communication System*	2	A
58	Etika Rekayasa	*Engineering Ethics*	2	B
59	Metode Penelitian dan Teknik Presentasi	*Research Methods and Presentation Technique*	2	A
60	Manajemen Proyek	*Project Management*	2	A
61	Otomasi Industri	*Industrial Automations*	2	B
62	Laboratorium Otomasi Industri	*Industrial Automations Laboratory*	1	A
63	Teknologi Pembangkit Tenaga Listrik	*Electrical Power Generation Technology*	3	A
64	Proteksi Sistem Tenaga Listrik	*Electrical Power System Protection*	3	A
65	Transmisi dan Distribusi	*Transmission and Distribution*	3	A
66	Kuliah Kerja Nyata	*Community Development Program*	3	A
67	Tugas Akhir	*Final Project*	4	A
68	Sidang Tugas Akhir	*Final Project Seminar*	2	A

JUDUL SKRIPSI :

Analisis Sistem Eksitasi Terhadap Performa Generator Sinkron di PLTU Suralaya

TITLE OF THESIS

Analysis of Excitation System of Synchronous Generator Performance in Power Plant Suralaya

Prestasi Akademik / *Academic Result*

Jumlah SKS / *Total of Credit* : **145**

IP Kumulatif / *Grade Point Average* : **3,63**

Predikat Kelulusan / *Predicate* : **Cumlaude** / *Cumlaude*

Tanggal Kelulusan / *Date of Completion* : **28 Mei 2018**

Keterangan Nilai / *Explanation of Grade*

Nilai *Grade*	Bobot *Point*	Makna *Meaning*
A	4	Istimewa / Excellent
AB	3,5	Sangat Baik / Very Good
B	3	Baik / Good
BC	2,5	Lebih dari Cukup / Above Average
C	2	Cukup / Fair
D	1	Kurang / Poor



Rektor / *Rector*

Dr. Ir. Gunawan Budiyanto, M.P.
NIP. 19601120 198903 1 001

Yogyakarta, 21 Juli 2018
Dekan / *Dean*

Jazaul Ikhsan, S.T., M.T., Ph.D.
NIK. 19720524199804 123 037