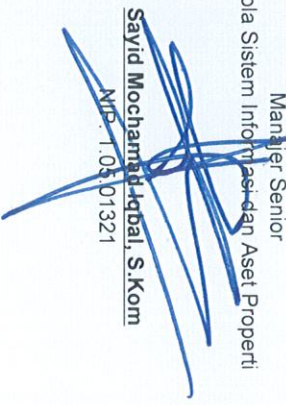


Realisasi Anggaran Biaya
Narasumber Integrasi E-Sign pada Aplikasi Workflow serta Standarisasi Code pada Aplikasi Kompetensi dan E-BBM

No.	Narasumber	Kualifikasi	Waktu (Jam)	Honorarium / Jam	Jumlah	PPh21 (2.5%)	Total
1	Mochamad Machmud Rifadi S.ST., MT	Pengalaman 10-15 tahun	40	Rp 1,300,000.00	Rp 52,000,000.00	Rp 1,300,000.00	Rp 50,700,000.00
2	Mu'arifin, S.ST., M.T.	Pengalaman 10-15 tahun	40	Rp 1,300,000.00	Rp 52,000,000.00	Rp 1,300,000.00	Rp 50,700,000.00
3	Yesta Medya M	Pengalaman 5-10 tahun	40	Rp 700,000.00	Rp 28,000,000.00	Rp 700,000.00	Rp 27,300,000.00
4	Prasetyo Wibowo	Pengalaman 5-10 tahun	40	Rp 700,000.00	Rp 28,000,000.00	Rp 700,000.00	Rp 27,300,000.00
Total					Rp 160,000,000.00	Rp 4,000,000.00	Rp 156,000,000.00

Disetujui oleh:
 Manajer Senior
 Kelola Sistem Informasi dan Aset Properti

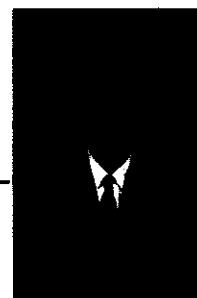

Sayid Mochammad Iqbal, S.Kom
 NIP. 1.05.01321

Dibuat oleh:
 Manajer Teknologi Sistem Informasi


Subekti Prandito, ST, MMT
 NIP 1.05.01323

Mochammad Machmud Rifadil, S.ST., MT

Keputran Kejambon 2 no 65, Surabaya 60271 | 081931026674 | mmrifadil@gmail.com



Education

BACHELOR OF ENGINEER IN APPLIED TECHNOLOGY

2003-2007

Study Program Of Diploma 4 Electro Industry

Electronics Engineering Polytechnics Institute Surabaya (EEPIS)

- Title of Bachelor : "Design of Fuzzy Control in Single Stage Power Factor Correction Converter using Paralel Flyback"
- Advisor : Moh. Zaenal Effendi, MT, and Eru Puspita, ST, Mkom

MAGISTER OF ENGINEERING

2007-2009

Study Program Of Electrical Engineering – Multimedia Intelligent Network

Sepuluh Nopember Institute Of Technology (ITS)

- Title of Master Thesis : "Self-Calibrating Camera Using Two Dimension Image"
- Advisor : Dr. Mochamad Hariadi, S.T., M.Sc.

Teaching

- | | |
|--|----------------------------|
| 1. Technical Drawing | 10. Sistem Pakar |
| 2. Electromagnetics | 11. Database Oracle |
| 3. Entrepreneur | 12. Manajemen Traffic Data |
| 4. Electronic Instrumentation and Measurement | |
| 5. Practice Electronic Instrumentation and Measurement | |
| 6. Power Electronics | |
| 7. Practice Power Electronics | |
| 8. Electronics Circuits | |
| 9. Practice Electronics Circuits | |

Skill (Software & Hardware)

1. OS : Windows 98 / 2000 / XP / 7 / 8 / 10, Linux, Android, ios and Mac
2. Design : AutoCAD, REVIT, Inventor, DiaLux, Fusion, 3Ds Max, Microsoft Visio, Corel Draw, Photoshop
3. Office : Microsoft Office (Word, Excel, Power Point), Latex and Lyx
4. Programming : Microsoft Visual Studio, Turbo C, UMPS, PLC, Flash, Microcontroller, Java, Oracle, Postgre
5. Electro Simulation (Low Power) : EWB, PCB Designer, PLC, Simulator, Code Vision AVR, Eagle, Mathworks, FuzzyTech, Livewire, ARM
6. Electro Simulation (High Power) : Power World, Psim (Power Simulation), Etab, Etap, PS-CAD, Homer
7. Analysis Mathematics: SPSS
8. PLC : Omron, Mitsubishi, Siemens, Allen Bradley
9. Electronic Circuit
10. Electrical Circuit

Experience Teaching

No.	Type	Status	Year
1	Politeknik SAKTI	DLB	2007-2009
2	STIKOM	DLB	2008-2009
3	Politeknik Surabaya	DLB	2008-2009
4	Ubaya	DLB	2008-2009
5	Politeknik Elektronika Negeri Surabaya (PENS)	PNS	2009 - sekarang
6	Politeknik Negeri Madura (POLTERA)	PNS -DT	2018 - 2020

Experience Working

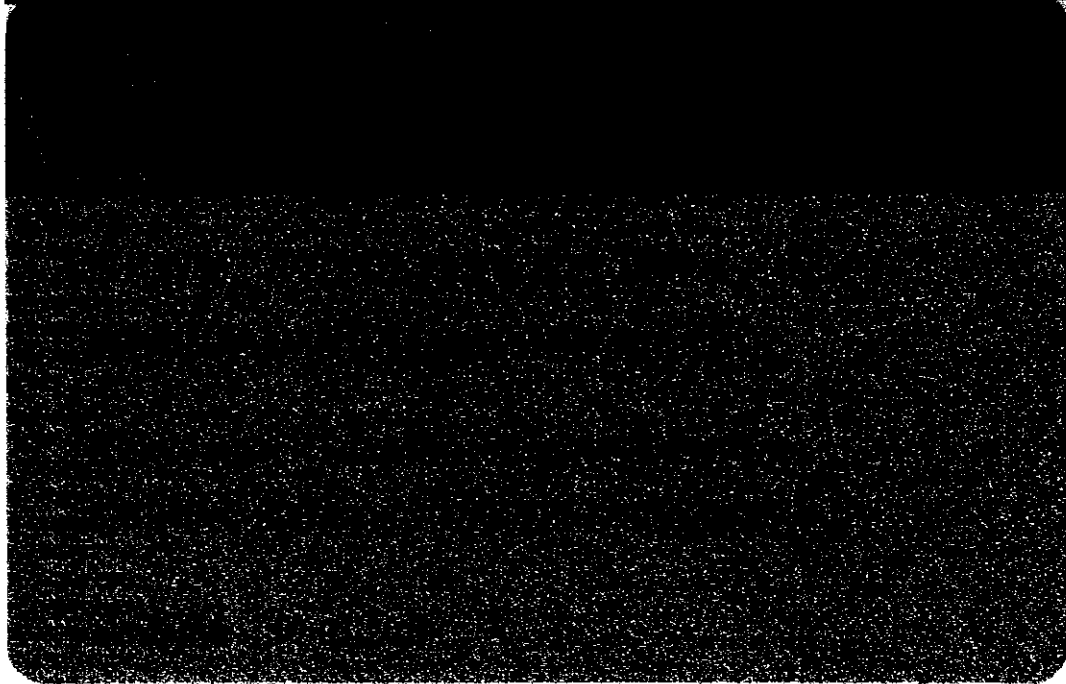
No.	Type	Place	Year
1	PT. PLN (Persero) Pandaan.		2004-2005
2	PT. Semesta Eltrindo Pura.		2005-2006
3	CV. Rona Persana Utama		2006-2007
4	CV. Digital Sistem Semesta		2008-2009
5	Secretary of SPI	PENS	2009-2014
6	Trainer Autodesk 3DS	Autodesk	2016-sekarang
7	Vice Rector/Director for Academics dan Student Affairs	POLTERA	2018-2019
8	Vice Rector/Director for Cooperation dan Information systems	POLTERA	2019-2020

Keynote Speaker

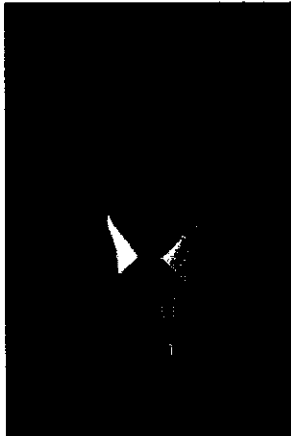
No.	Title	Source	Year
1	Aplikasi SPPD Gorontalo	Gorontalo	2007
2	Aplikasi Samsat Gorontalo	Gorontalo	2008
3	Autodesk AutoCAD dan Revit	PT Naraya	2023
4	Autodesk AutoCAD - MM	Polibatam dan UIB Batam	2021
5	Development mobile dan web marketplace	Marketplace	2022
6	Autodesk AutoCAD, Inventor, Revit dan Fusion – 3DS	Poli Jember	2023
7	Autodesk AutoCAD Nasional (Guru SMK Se-Indonesia) – 3DS	Dikbud - VEDC - Malang	2023
8	Development mobile dan web marketplace	Marketplace	2023

Awards

No.	Awards	Source	Year
1	Ahli Performance Turbin uap di PLTU	HAKIT (Nasional)	2016
2	Autodesk Certified User Fusion 360	Autodesk (Internasional)	2017
3	Autodesk Certified User AutoCAD	Autodesk (Internasional)	2017
4	Autodesk Certified Profesional AutoCAD	Autodesk (Internasional)	2017
5	Autodesk Certified Profesional Inventor	Autodesk (Internasional)	2017
6	Autodesk Certified Instructor	Autodesk (Internasional)	2019
7	Sertifikasi Kompetensi (Teknisi Muda, Tenaga Pemeriksa)	Menteri ESDM PPSDM KEBTKE	2020
8	Sertifikasi Kompetensi (Teknisi Muda, Supervisor)	Menteri ESDM PPSDM KEBTKE	2020
9	Autodesk Certified Instructor	Autodesk (Internasional)	2022



Curriculum Vitae



Nama : **Mu'arifin, S.ST., M.T.**
Departemen Teknik Informatika dan Komputer
POLITEKNIK ELEKTRONIKA NEGERI SURABAYA

Alamat : Taman Sukodono Regency Cluster 1, TSR Raya No 39,
Jl Singo Menggolo, Klopolepuluh, Kec. Sukodono,
Kabupaten Sidoarjo, Jawa Timur 61258

Email : muarifin@pens.ac.id

Sinta ID : 6767682

LinkedIn : [linkedin.com/in/muarifin](https://www.linkedin.com/in/muarifin)

No HP : 085815667662

TTL : Blitar, 03 Desember 1988

Informasi Lanjut : muarifin.lecturer.pens.ac.id

Magister (S2)

Politeknik Elektronika Negeri Surabaya
Departemen Teknik Informatika dan Komputer
2013 - 2015

Tesis

"Human Behavior Based Evacuation in A Building Using Cellular Automata For Pedestrian Dynamics"

Sarjana (D4)

Politeknik Elektronika Negeri Surabaya
Departemen Teknik Informatika dan Komputer
2008 - 2011

Tugas Akhir

"Sistem Informasi Geografis Analisa Penyebaran Penyakit Demam Berdarah Di Kab Blitar dengan Logika Fuzzy"

Curriculum Vitae

1. Sistem Informasi Keuangan dan Akutansi PDAM Kota Malang 2. Sistem Informasi Perencanaan Pembangunan Jangka Menegah (SIPPD) Kab Berau 3. Dosen Teknik Informatika	CV. Azka Media Teknologi Indonesia Programmer Desember 2012-Agustus 2013 PT. Andra Cipta Consult Analisis System, Programmer 2015 Politeknik Elektronika Negeri Surabaya Dosen 2016 - Sekarang
1. Desain WEB 2. Pemrograman WEB 3. Pemrograman Framework 4. Workshop Aplikasi Berbasis WEB 5. Pemrograman Visual 6. Mobile Application	1. Koordinator Minat dan Bakat Mahasiswa (2017 - 2020) 2. Tim Kerja Minat dan Bakat Mahasiswa (2020 - 2021) 3. Ketua Unit Perencanaan dan Pelaporan (2021 - Sekarang)
Human Behavior Based Evacuation in A Large Room Using Cellular Automata Model For Pedestrian Dynamics, The Third Indonesian-Japanese Conference on Knowledge Creation and Intelligent Computing (KCIC) 2014 2014 Evacuation System in a Building using Cellular Automata for Pedestrian Dynamics, EMITTER International Journal of Engineering Technology, Vol. 3, No. 1, pp. 38-52, June 2015 2015 Visual Perception System of EROS Humanoid Robot Soccer IJET 2017 Spatial Disaster Risk Assesment of Kelud Eruption, Indonesia, using Fuzzy JoIV 2018 Fuzzy Logic and Exponential Smoothing for Mapping Implementation of Dengue Haemorrhagic Fever in Surabaya IES IEEE 2019 2019 The Vulnerability Level Mapping of Toddler's Pneumonia in Bojonegoro, Indonesia, According to Multiple Criteria Using Hierarchical Clustering ICEBEHI 2020 2020 Age Estimation System Using Deep Residual Network Classification Method IES IEEE 2020 2020 Implementation Of Automatic Clustering In Parallel Computation With Multi-Threading And Socket Programming, International Electronics Symposium (IES) 2020-IEEE 2020 Comparison of Covid-19 Cases in Indonesia and Other Countries for Prediction Models in Indonesia Using Optimization in SEIR Epidemic Models – IEEE Explorer 2021	

Curriculum Vitae

Visualizing Influence of Public Response for Accretion of Covid-19 Case in Indonesia Using Epidemic Model – IEEE Explorer	2021
Pemodelan Evakuasi Pejalan Kaki di Ruang Koridor dengan Cellular Automata Studi Kasus Gempa Bumi – Techno.Com	2022

1.	Comparative Study of Evacuation in A Large Room For Pedestrian Dynamics – Research Workshop KCIC 2014 di PENS Surabaya	Ada	Speaker
2.	Pelatihan PHP and MySQL oleh HIMIT PENS (2009)	Ada	Peserta
3.	Pelatihan ASP.NET Fundamental oleh HIMIT PENS (2010)	Ada	Peserta
4.	Membandingkan Aplikasi WPF di .Net (2009)	Ada	Peserta
5.	Indonesian-Japanese Young Researcher of Knowledge Creation Intelligent Computing Conference by EEPIS and Keio University Japan	Tidak	-
6.	Seminar “Building ICT Competitiveness For Creative Industry Ecosystem in Indonesia” held by HEPIS – ITS Surabaya	Tidak	-
7.	KCIC 2012 seminar “A deductive Reasoning method for Solving Bond Mathematics Problems” by Gakushuin University Prof. Yukari Shirota	Tidak	-
8.	High Impact Presentation – Dale Carnegie (2020)	Ya	-
9.	Fundamental Leadership Program – Dale Carnegie (2022)	Ya	-
10.	Leadership for Supervisor – Dale Carnegie (2023)	Ya	-



NPWP : 75.125.291.7.65.0011

MU'ARIFIN

NIK : 3505030312880002

JL MANGGA II NO.30 RT.001RW.062
WONOREJO SRENGAT
BLITAR JAWA TIMUR

KPP PRATAMA



YESTA MEDYA M.

☎ 0895804624298 ✉ yesta@pens.ac.id

PENDIDIKAN

D3 Manajemen Informatika
Politeknik Negeri Malang
2009 - 2012

Sarjana Terapan LJ Teknik Informatika
PENS
2013 - 2015

S2 Teknik Informatika dan Komputer
PENS
2015 - 2018

KEAHLIAN

- Network Security
- Machine Learning
- Data Science

SERTIFIKASI

- ADAM iRTU (Basic)
- WISE 750
- Intelligent Water Treatment and Management
- Web Access SCADA (Basic)
- AWS Sage Maker

PROFIL

Seorang dosen dan peneliti adalah sosok yang memainkan peran kunci dalam dunia pendidikan tinggi, memiliki tanggung jawab untuk mentransfer pengetahuan dan keterampilan, membimbing mahasiswa dalam mengembangkan potensi dan menciptakan inovasi dan penemuan baru di dunia pendidikan.

PENGALAMAN KERJA DAN PENELITIAN

Asisten Trainer 2015

Asisten Trainer SIM Polda Jawa Timur

- Bekerja bersama untuk membimbing admin polisi dalam menginputkan Sistem Informasi Manajemen Data Polsek yang dimiliki oleh setiap kabupaten

PENS 2022 - now

Dosen Junior

Member Lab Knowing 2015 - 2018

Deteksi Botnet menggunakan Algoritma PRCL

- Melakukan pemrosesan raw data Botnet ISCX dan memodelkannya
- Hasil Pemodelan tadi dilakukan evaluasi dan dideteksi dengan metode machine learning yang bernama PRCL (Pursuit Reinforcement Competitive Learning)

Member CSG and Knowing 2022 - now

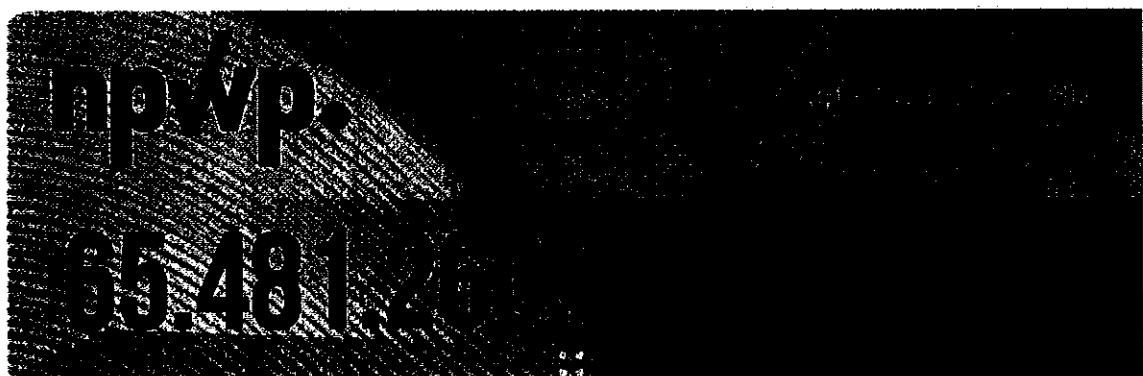
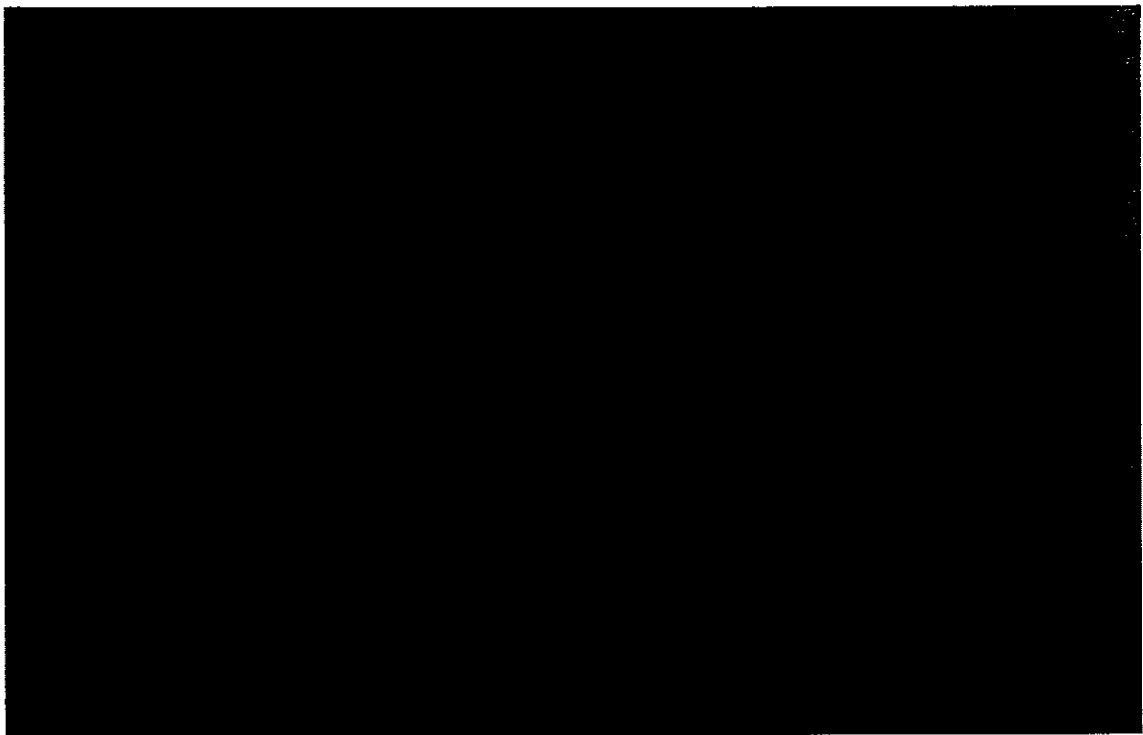
Cyber Security Research Group dan Knowing

- Machine Learning, Data Mining untuk Data Jaringan
- Deteksi Anomaly terhadap data Jaringan

REFERENCES

Udin Harun Al Rasyid
Kadep TIK

Phone: +62 856-4506-5911
Email: udinharun@pens.ac.id



Curriculum Vitae

Prasetyo Wibowo • Technology Consultant

LinkedIn: <https://www.linkedin.com/in/praswibowo>
Email: pras.wibowo96@gmail.com Mobile: +62 823 3114 5282
(Last updated: April 18, 2023)

KEY QUALIFICATION

5+ years of job experience in the government and private sectors. Extensive knowledge and experience with data imbalances, machine learning, data mining, geospatial information management applications, health informatics, business process management, and supply chain management. Ability to operate well in a multidisciplinary team under pressure while producing high-quality deliverables. Developed positive working relationships inside the internal and external institutions with which I am affiliated and with other national/international organizations, government officials, and communities.

WORK EXPERIENCE

LECTURER	POLITEKNIK ELEKTRONIKA NEGERI SURABAYA	MAR 2021 – NOW
- Coaches and mentors college students on topics related to computer science - Join the Learning Technology Work Team (ETHOL Team) as maintenance and product analyze		
IT PROJECT MANAGER	BAPPEDA EAST JAVA	FEB 2018 – JAN 2019
- Plan, Execute and Analyze initiating the concept of one map policy in the East Java provincial government in collaboration with the Geospatial Information Agency - Create geospatial information systems (GIS) web-based applications and platforms that can be accessed by the local government of East Java		
INTERNSHIP (PRODUCT OWNER)	CENTRAL BANK OF INDONESIA	JAN 2017 – FEB 2017
- Analyzing user requirements into specifications from stakeholders and make the project done on time - Collaborate with Developer to create Enterprise Data Warehousing Business Intelligence (EDWBI)		

PROFESSIONAL EXPERIENCE

TECH CONSULTANT (ERP & SCM)	PT. DEXA ARFINDO PRATAMA	NOV 2022 – NOW
Organizing teams and solving problems in Enterprise Resources Planning (ERP) and Supply Chain Management (SCM) application development. PT. DEXA Arfindo Pratama is a trusted distribution company of health and medical equipment business products throughout Indonesia. - Plan, Execute and Analyze the concept of Supply Chain Management in the health sector - Analyzing user requirements into the specification from stakeholders and translating it to a technical specification		
B2G CONSULTANT	MINISTRY OF INDUSTRY OF THE REPUBLIC OF INDONESIA	NOV 2019 – OCT 2021
Collaboration, organize a team and provide advice in developing digitalization geospatial applications for the Ministry of Industries. - Integrate spatial data and document data totalling 100 ++ data. - Analyzing market research on investors' needs regarding industrial area digitization data - Showcased industrial estate digitization applications at the Hannover Messe 2021 event. - Identify problems and provide a roadmap for application development in 2021		
B2G CONSULTANT	AGENCY FOR THE ASSESSMENT AND APPLICATION OF TECHNOLOGY	APR 2021 – JUL 2021
Collaborating and advising on developing the Nusantara Earth Observation Network (NEOnet). NEOnet is a data & information center facility based on cloud computing focusing on networks and data interoperability of geological observation technology. Provide application infrastructure studies based on spatial data infrastructure (SDI) and integrated distributed		

databases.

- Analyze every technology requirement needed in making applications based on open source to minimize government budget.
- Collaborating with several government parties and academics to get a roadmap for developing the NEOnet application.

ED-TECH CONSULTANT UNIVERSITAS PEMBANGUNAN NASIONAL FEB 2021 – NOV 2022
VETERAN JAWA TIMUR

Collaboration, organizing teams, and advising on developing student assessment applications in environmental engineering study programs.

- Analyzing user behavior and needs in the university environment where the average user (lecturer) is elderly.
- Provide technical advice and roadmap design, which in the future can be integrated with other applications in the university.
- Providing suggestions on the focus of application development based on the existing budget to reduce costs to a minimum.

TECH CONSULTANT (MOBILE APP) PT. SENTRALSARI PRIMASENTOSA FEB 2019 – JAN 2021

Organizing teams and solving problems in Sales Force Automation (SFA) application development. PT. Sentralsari Primasentosa is a trusted distribution company that distributes Cleo Pure Water products throughout Indonesia.

- The resulting app can solve problems that other developers cannot handle.
- Analyzing user requirements into the specification from stakeholders and translating it to a technical specification
- Shortened sales time by up to 30% and increased the daily new customer acquisition by up to 15%.

PROJECT MANAGER FREELANCE FEB 2018 – NOW

List of work that has been done:

- Trade Information System - East Java Chamber of Commerce and Industry
- Industrial Information System - East Java Chamber of Commerce and Industry

FULL STACK DEVELOPER FREELANCE FEB 2018 – SEP 2019

List of work that has been done:

- Data Center GIS Service - The East Java Province Communication and Information Office
- SIMTARU - DPUPR Blitar City
- SITRG - East Java Province

ORGANIZATION

DEPUTY CHAIR OF THE STANDING EAST JAVA CHAMBER OF COMMERCE AND 2021 – NOW
COMMITTEE FOR EMPOWERMENT INDUSTRY
OF DIGITAL BUSINESS POTENTIAL

- Provide solutions to helping MSMEs in East Java to expand their business with the help of digital technology.
- Documenting MSMEs data totaling 50 ++ data.
- Collaborate with Government and International Organizations to help MSMEs enter the global market.

EDUCATION

MASTER DEGREE INSTITUT TEKNOLOGI SEPULUH NOPEMBER 2019 – 2021
SURABAYA

- Master's degree in Computer Science with a GPA of 3.83
- Specialization in requirements engineering, data mining, and machine learning
- Has produced two national journals (S3 and S1 Scopus Index) and one international journal (Q1) with the theme of data analysis, data preprocessing, and data augmentation

BACHELOR DEGREE POLITEKNIK ELEKTRONIKA NEGERI 2014 – 2018
SURABAYA

- Bachelor's degree in Computer Science with a GPA of 3.50
- Joined student organizations in human resources development (HRD) from the departmental to the university level.
- Coaches and mentors college students on topics ranging from self-management to organizational management.

PAPER PUBLICATIONS

- **Journal of King Saud University – Computer and Information Sciences | Q1 | 2021**
Pruning-based oversampling technique with smoothed bootstrap resampling for imbalanced clinical dataset of Covid-19
- **Register: Jurnal Ilmiah Teknologi Sistem Informasi | Sinta 1 Scopus Index | 2021**
An in-depth performance analysis of the oversampling techniques for high-class imbalanced dataset
- **JUTI: Jurnal Ilmiah Teknologi Informasi | Sinta 3 | 2020**
Applied machine learning in load balancing

HONORS AND AWARDS

- **Most Outstanding & Favourite Speaker QGIS-ID Meetup 2 | March 2021**
Award for the best speaker at the QGIS-ID Meetup 2 event with the material "West Java Covid-19 Dashboard Using QGIS and Tableau". The selection of best speaker using voting from participant event.
- **3rd Place Final Project Competition | August 2018**
The annual award from PENS for the best final project selected based on the jury's assessment

CERTIFICATIONS

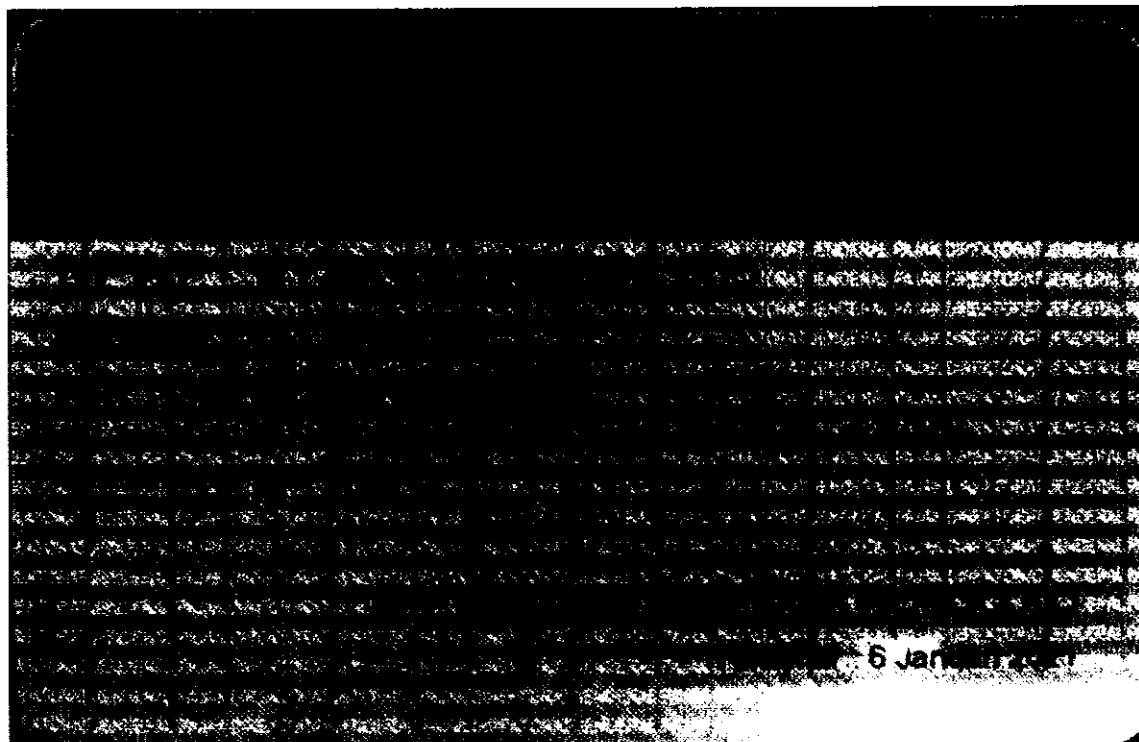
- **Google – Professional Data Analytics | 2022**
Competency: Competent in using various tools and platforms including spreadsheet, SQL, Tableau, and R applications..
- **Scrum.org – Professional Scrum Masters I | 2021**
Competency: Demonstrate knowledge and understanding of Scrum and their ability to apply it in real-world situations.
- **Indonesian Professional Certification Authority – Information and Communication Technology | 2018**
Competency: Developing Dynamic Web Application
- **Indonesian Professional Certification Authority – Information and Communication Technology | 2017**
Competency: Developing Database for Information System Application
- **Indonesian Professional Certification Authority – Information and Communication Technology | 2017**
Competency: Installation Local Area Network

COURSES

- **Coursera – Professional Data Analytics Series | 2022**
- **Digitalent Scholarship Thematic Academy – Scrum Master | 2021**
- **Udemy Online Courses – Technical Product Management: learn on 4 real industry cases | 2021**
- **Udemy Online Courses – Become a Product Manager | Learn the Skills & Get the Job | 2021**
- **GeoSoftware Community – ArcGIS Pro and ArcGIS Online | 2020**
- **GeoSoftware Community – GIS Using Qgis | 2020**
- **URGEOS / Urbanesha – Planning 4.0 with urban modeling software | 2020**
- **Data Science Indonesia – Intermediate Data Visualization | 2020**
- **Data Science Indonesia – Data Pipelining | 2020**
- **Data Science Indonesia – Google Cloud Study Jam | 2019**
- **Digitalent Scholarship Online Academy – AWS Big Data | 2019**
- **Digitalent Scholarship Fresh Graduate Academy – Big Data | 2018**
- **Digitalent Scholarship Digital Business – Digital Business | 2018**

SKILL AND LANGUAGES

- **Technical proficiency** : Python, R Language, SQL, PHP, Javascript
- **Non-technical proficiency** : Agile, Product & Project Management, Public Speaking, Teamwork, Analytics Data Driven
- **Language** : Indonesia (native), English (Intermediate)
- **Tools** : Miro, Tableau, Power BI, QGIS, Github, Figma



PROVINSI JAWA TIMUR KOTA SURABAYA	
NIK	1578222112910002
Nama	PRASETYO WIDHIO
Tanggal Lahir	20/11/1999
Jenis Kelamin	LAKILAKI
Agama	ISLAM
Pendidikan	SMK
Kelompok	KELOMPOK
Kecamatan	KAYEN
Agensi	ISLAM
Status Perkawinan	BELUM KAWIN
Pekerjaan	PELAJARAN
Kewarganegaraan	WNI
Berkas Negara	SELURUH HAK

KOTA SURABAYA
05-06-2017

DUK KARTU TANAH