

CURRICULUM

VITAE

contact biograph

**East Java Branch of Veterans
National Development
University**
(Universitas Pembangunan
Nasional “Veteran”
Jawa Timur)
Jl. Raya Rungkut Madya,
Gunung Anyar, Surabaya, East
Java, Indonesia

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languages

Indonesian

English

research interests

**Data Science, Data
Engineering, Data Analytics**

Scopes:

Data Mining & Machine Learning,
Data Warehouse & Business Int.,
Artificial Int. & Metaheuristic Alg.,
Big Data, Text Mining,
and Web Technology



He graduated from Applied Bachelor Degree in 2015 and Applied Master Degree in 2017 at Informatics and Computer Engineering, Electronic Engineering Polytechnic Institute of Surabaya (Politeknik Elektronika Negeri Surabaya), Indonesia.

Two years (April 2018–August 2020), He have worked as a full-time lecturer at Informatics Engineering, Narotama University, Surabaya. Currently, He is a full-time lecturer at Study Program of Data Science, Faculty of Computer Science, UPN “Veteran” Jawa Timur since September 2020.

His research interests in the scope of data science, data engineering, data analytics including data mining and machine learning, data warehouse and business intelligence, artificial intelligence and metaheuristic algorithm, big data, text mining and web technology.

education

2015–2017 **Applied Master Program**

(GPA=3.76)

Cum Laude

Study Program of Informatics and Computer Engineering,
Electronic Engineering Polytechnic Institute of Surabaya,
East Java, Indonesia

Thesis: “No Evidence of Disease (NED)–Breast Cancer
Patient Based on Classification using Decision Tree
Algorithm”

Supervised by Iwan Syarif, S.Kom, M.Kom, M.Sc, Ph.D
and Aliridho Barakbah, S.Kom, Ph.D

2011–2015 **Applied Bachelor Program**

(GPA=3.56)

Cum Laude

Study Program of Informatics Engineering,
Electronic Engineering Polytechnic Institute of Surabaya,
East Java, Indonesia

Undergraduate Thesis: “Developing Management
Information System for Administration Services in East Java
Provincial Police Security Intelligence Directorate”

Supervised by Wiratmoko Yuwono, S.T, M.T and Ferry
Astika Saputra, S.T, M.Sc

2008–2011 **Senior High School**

SMA Nahdlatul Ulama 1 Gresik, East Java, Indonesia

2005–2008 **Junior High School**

SMP Nahdlatul Ulama 1 Gresik, East Java, Indonesia

1999–2005 **Elementary School**

MINU Sukodono Gresik, East Java, Indonesia

Lecture

2020		at UPN "Veteran" Jawa Timur
	Introduction to Data Science I	
	Date (from-to)	September 2020–January 2021
	Semester and Class	Sem. 1 / Class A
	Study Program	Data Science
	Faculty	Faculty of Computer Science
2020		at UPN "Veteran" Jawa Timur
	Basic Algorithm and Programming (Python)	
	Date (from-to)	September 2020–January 2021
	Semester and Class	Sem. 1 / Class A
	Study Program	Data Science
	Faculty	Faculty of Computer Science
2020	Data Mining and Machine Learning	at Narotama University
	Date (from-to)	March 2020–August 2020
	Semester and Class	Sem. 6 / Class A, B, C
	Study Program	Informatics Engineering
	Faculty	Faculty of Computer Science
2020	Big Data	at Narotama University
	Date (from-to)	March 2020–August 2020
	Semester and Class	Sem. 6 / Class A, B
	Study Program	Informatics Engineering, and Computer System
	Faculty	Faculty of Computer Science
2020	Public Speaking	at Narotama University
	Date (from-to)	March 2020–August 2020
	Semester and Class	Sem. 8 / Class A
	Study Program	Informatics Engineering
	Faculty	Faculty of Computer Science
2019	Metaheuristic Algorithm	at Narotama University
	Date (from-to)	September 2019–January 2020
	Semester and Class	Sem. 7 / Class A
	Study Program	Informatics Engineering
	Faculty	Faculty of Computer Science
2019	Data Warehouse and Business Intelligence	at Narotama University
	Date (from-to)	September 2019–January 2020
	Semester and Class	Sem. 7 / Class A, B
	Study Program	Informatics Engineering
	Faculty	Faculty of Computer Science

2019	Information and Communication Technology	at Narotama University
	Date (from-to)	September 2019–January 2020
	Semester and Class	Sem. 1 / Class A, B
	Study Program	Informatics Engineering, Information System, and Computer System
	Faculty	Faculty of Computer Science
2019	Data Mining and Machine Learning	at Narotama University
	Date (from-to)	March 2019–August 2019
	Semester and Class	Sem. 6 / Class A, B
	Study Program	Informatics Engineering
	Faculty	Faculty of Computer Science
2019	Big Data	at Narotama University
	Date (from-to)	March 2019–August 2019
	Semester and Class	Sem. 6 / Class A, B
	Study Program	Informatics Engineering
	Faculty	Faculty of Computer Science
2018	Metaheuristic Algorithm	at Narotama University
	Date (from-to)	September 2018–January 2019
	Semester and Class	Sem. 7 / Class B, C
	Study Program	Informatics Engineering
	Faculty	Faculty of Computer Science
2018	Cloud Computing	at Narotama University
	Date (from-to)	September 2018–January 2019
	Semester and Class	Sem. 7 / Class A, B
	Study Program	Informatics Engineering
	Faculty	Faculty of Computer Science
2018	Data Warehouse and Business Intelligent	at Narotama University
	Date (from-to)	September 2018–January 2019
	Semester and Class	Sem. 7 / Class A
	Study Program	Informatics Engineering
	Faculty	Faculty of Computer Science
2018	Information and Communication Technology Courses	at Narotama University
	Date (from-to)	September 2018–January 2019
	Semester and Class	Sem. 1 / Class A
	Study Program	Civil Engineering
	Faculty	Faculty of Civil Engineering
2018	Data Warehouse	at Narotama University
	Date (from-to)	March 2018–August 2018
	Semester and Class	Sem. 6 / Class A, B, C

	Study Program	Informatics Engineering
	Faculty	Faculty of Computer Science
2018	Computer Animation	at Narotama University
	Date (from-to)	March 2018–August 2018
	Semester and Class	Sem. 6 / Class C
	Study Program	Informatics Engineering
	Faculty	Faculty of Computer Science

supervised undergraduate

student projects

Until Sept-2020	Research Topic	at Narotama University
	Deteksi Berita Hoax pada Twitter Berbahasa Indonesia Menggunakan Metode Convolutional Neural Network (in English: Hoax News Detection in Indonesian Language Twitter using Convolutional Neural Network)	
	Supervised Student	
	Cheevin Yoviananda	
Until Sept-2020	Research Topic	at Narotama University
	Klasifikasi Deteksi Dini Penyakit Jantung Koroner Menggunakan Modifikasi Bobot Hidden Layer Pada Metode Extreme Learning Machine Dengan Gain Ratio (in English: Classification of Early Detection of Coronary Heart Disease using Modification of Hidden Layer Weights in Extreme Learning Machine with Gain Ratio)	
	Supervised Student	
	Imam Safi'i	
Until Sept-2020	Research Topic	at Narotama University
	Implementasi Perbandingan Algoritma A-priori Dan FP-Growth Untuk Mengetahui Pola Pembelian Konsumen PT Surya Multi Perkasa Movinko (in English: The Comparison of A-priori and FP-Growth Algorithm to Know the Pattern of Consumer Purchases in PT Surya Multi Perkasa Movinko)	
	Supervised Student	
	Diego Armando Pratama Putra	
Until Sept-2020	Research Topic	at Narotama University
	Klasterisasi Nilai Komoditi Produk Ekspor Indonesia Di Wilayah Asia Menggunakan Metode Clustering Fuzzy C-means (in English: Clustering of the Indonesian Export Products Commodity Value in the Asian Region using Fuzzy C-means Clustering)	

- Supervised Student**
Muhamad Ananda Putra Pratama
- Until **Research Topic** at Narotama University
Sept-2020 Klasifikasi Status Gizi Anak Usia Dini Berdasarkan Indeks Anthropometri Dan Tingkat Diskriminasi Fitur Menggunakan Metode Gaussian Naive Bayes
(in English: Classification of Early Childhood Nutrition Status Based on Anthropometric Index and Feature Discrimination Rate using Gaussian Naive Bayes)
- Supervised Student**
Much. Afif Masykur Mughni
- Until **Research Topic** at Narotama University
Sept-2020 Implementasi GIS dan Klasterisasi Potensi Pendonor Darah Tetap dengan Metode Agglomerative Hierarchical Clustering
(in English: Implementation of Geographical Information System (GIS) and Clustering of the Fixed Potential Blood Donors using Agglomerative Hierarchical Clustering)
- Supervised Student**
Pratama Ryan Harnanda
- 2019-2020 **Research Topic** at Narotama University
Analisis Forecasting Penjualan Mobil Mitsubishi Menggunakan Metode Exponential Smoothing dan Least Square
(in English: Forecasting Analysis of Mitsubishi Car Sales using Exponential Smoothing and Least Square)
- Supervised Student**
Rysda Putra Ambariawan
- 2019-2020 **Research Topic** at Narotama University
Analisis dan Klasterisasi Sentimen Pengguna Twitter Terkait Penolakan RUU KUHP Menggunakan Metode Agglomerative Hierarchical Clustering
(in English: Analysis and Clustering of Twitter User Sentiments Regarding Rejection of the Revision of Indonesian Code Law and the Anti-Corruption Law using Agglomerative Hierarchical Clustering)
- Supervised Student**
Nur Restu Prayoga
- 2019-2020 **Research Topic** at Narotama University
Klasifikasi Penyakit Jantung Berdasarkan Faktor Risiko Menggunakan Metode Fisher's Discriminant Ratio dan Backpropagation
(in English: Classification of Heart Disease Based on Risk Factors using Fisher's Discriminant Ratio and Backpropagation)
- Supervised Student**
Muh. Dimas Yudianto

- 2018–2019 **Research Topic** at Narotama University
 Prediksi Siklus Estrus Sapi Perah untuk Perencanaan Inseminasi Buatan Menggunakan Artificial Neural Networks
 (in English: Prediction of Estrus Cycle in Dairy Cattle for Artificial Insemination Planning using Artificial Neural Networks)
Supervised Student
 Randy Anwar Romadhonny
- 2018–2019 **Research Topic** at Narotama University
 Klasifikasi Suara Tangisan Bayi Berdasarkan Prosodic Features Menggunakan Metode K-Nearest Neighbor
 (in English: Infant Cry Classification based on Prosodic Features using K-Nearest Neighbor)
Supervised Student
 Aditya Singgi Prayogi
- 2018–2019 **Research Topic** at Narotama University
 Klasterisasi Jumlah Penumpang Kereta Api di Indonesia Menggunakan Metode K-means
 (in English: Clustering of the Number of Train Passengers in Indonesia using K-means)
Supervised Student
 Benny Wijaya
- 2018–2019 **Research Topic** at Narotama University
 Analisis Sentimen Pengguna Twitter Terhadap Topik Sepak Bola Indonesia dengan Metode K-Nearest Neighbor
 (in English: Twitter User Sentiment Analysis of Indonesian Football Topics with the K-Nearest Neighbor)
Supervised Student
 Jeremy Andre Septian
- 2018–2019 **Research Topic** at Narotama University
 Analisis Penyerang Terbaik Liga Inggris dengan K-means Clustering dan Metode TOPSIS
 (in English: Analysis of the Premier League's Best Strikers with K-means Clustering and TOPSIS)
Supervised Student
 Alif Sefty Wiyantoro
- 2018–2019 **Research Topic** at Narotama University
 Sistem Penunjang Keputusan Beasiswa untuk Siswa Miskin di SMK Dharma Siswa 1 Sidoarjo Menggunakan Metode AHP dan SAW
 (in English: Scholarship Decision Support System for Low Income Students and Families at Vocational High School of Dharma Siswa 1 Sidoarjo Using AHP and SAW)
Supervised Student
 Muhammad Hamzah Romadhon

examined proposal undergraduate student projects

- 2020 **Research Proposal Title** at Narotama University
Sistem Pendeteksi Dini Tanah Longsor Menggunakan Sensor Vibration Berbasis Internet of Things
(in English: Landslide Early Detection System Using Vibration Sensors Based on Internet of Things)
Examined Student
Jeremia Christian Putra
- 2020 **Research Proposal Title** at Narotama University
Kecerdasan Buatan pada Virtual Assitant pada Permainan
(in English: Virtual Game Assistant based on Artificial Intelligence)
Examined Student
Jeremia Christian Putra
- 2020 **Research Proposal Title** at Narotama University
E-Library sebagai Sumberdaya Informasi dan Pengetahuan di Lingkungan PLN UID Jawa Timur Berbasis Android
(in English: E-Library as an Android-based Information and Knowledge Resource in PLN UID East Java Environment)
Examined Student
Hamas Fakhurrozi
- 2020 **Research Proposal Title** at Narotama University
Navigasi Karakter 3D pada Game dengan Menggunakan Perintah Suara
(in English: Navigating 3D Characters in Games Using Voice Commands)
Examined Student
Much. Miftachur Rohman
- 2020 **Research Proposal Title** at Narotama University
Perancangan Sistem Pakar untuk Mendiagnosis Kelainan Seksual Menggunakan Metode Certainty Factor
(in English: Expert System Design for Diagnosing Sexual Disorders Using the Certainty Factor Method)
Examined Student
Natanael William Louis Raja Guk Guk
- 2020 **Research Proposal Title** at Narotama University
Prediksi Persediaan Udang Windu Menggunakan Metode Time Series Analysis (Studi Kasus: CV. Surya Perdana Benur)
(in English: Prediction of Tiger Shrimp Stock Using Time Series Analysis Method (Case Study: CV. Surya Perdana Benur)
Examined Student
Yoesril Ihza Mahendra

- 2020 **Research Proposal Title** at Narotama University
 Pengenalan Percakapan Suara Manusia Sehari-hari menggunakan Deep Learning
 (in English: Recognition of Daily Human Voice Conversation using Deep Learning)
Examined Student
 Ainurrochman
- 2020 **Research Proposal Title** at Narotama University
 Sistem Pakar Untuk Tindak Lanjut Pelanggaran Siswa Dengan Menggunakan Metode Forward Chaining (Studi Kasus : SMP Negeri 17 Surabaya)
 (in English: Expert System for Follow-up Violations of Student Conducts using Forward Chaining Method (Case Study: State Junior High School 17 Surabaya))
Examined Student
 Dian Aprianto
- 2020 **Research Proposal Title** at Narotama University
 Sistem Pendukung Keputusan Pembuatan Aplikasi untuk Perencanaan Perawatan Container Crane
 (in English: Decision Support System for Container Cranes Maintenance Planning)
Examined Student
 Wahibullah
- 2020 **Research Proposal Title** at Narotama University
 Desain dan Manajemen Jaringan Ujian Online Berbasis Moodle (Studi Kasus: SMK Negeri 5 Surabaya)
 (in English: Network Design and Management of Online Examination based on Moodle (Case Study: State Vocational High School 5 Surabaya))
Examined Student
 Rachmat Risanto Tiesa
- 2020 **Research Proposal Title** at Narotama University
 Penerapan Metode Association Rule dengan Algoritma Apriori untuk Menentukan Pola Belanja Customer pada PT Cello Audio
 (in English: Implementation of Association Rule using A-priori Algorithm for Determining Customer Shopping Patterns at PT Cello Audio)
Examined Student
 Maria Luise Amelia Mite
- 2020 **Research Proposal Title** at Narotama University
 Klasterisasi Menggunakan Agglomerative Hierarchical Clustering (AHC) untuk Memodelkan Potensi Wilayah Banjir di Jawa Timur
 (in English: Implementation of Agglomerative Hierarchical Clustering (AHC) for Building Model Potential Flood Areas in East Java)

- Examined Student**
Ridzki Okta
- 2020 **Research Proposal Title** at Narotama University
Sistem Pendukung Keputusan Klasifikasi Jenis Perawatan pada Container Crane
(**in English:** Decision Support System for Classification of Treatment Types on Container Cranes)
Examined Student
Via Ardianto Nugroho
- 2019 **Research Proposal Title** at Narotama University
Bel Otomatis Pergantian Mata Pelajaran Berbasis Internet of Things dengan Telegram Smahapat Bot
(**in English:** Automatic School Bell System for Lesson Time Schedule Based On Internet of Things with Telegram Smahapat Bot)
Examined Student
Sony Catur Rahminto
- 2019 **Research Proposal Title** at Narotama University
Aplikasi Pengolahan Citra Digital Motif Kain Tenun dengan Algoritma Pendeteksi Terpandu (Studi Kasus: Kain Tenun Provinsi Nusa Tenggara Timur)
(**in English:** Digital Image Processing Application of Woven Fabric Motifs using Supervised Detection Algorithm (Case Study: Woven Fabrics from East Nusa Tenggara Province))
Examined Student
Kristovel Printo Nana
- 2019 **Research Proposal Title** at Narotama University
Deteksi Toxic-Speech untuk Klasifikasi Percakapan Menggunakan Deep Learning
(**in English:** Toxic-Speech Detection for Conversation Classification Using Deep Learning)
Examined Student
Dali Kewara
- 2019 **Research Proposal Title** at Narotama University
Sistem Pendukung Keputusan untuk Menentukan Pemberian Tunjangan Bagi Tenaga Pendidik dan Kependidikan Berbasis Tahani Fuzzy Logic Model
(**in English:** Decision Support System to Determine the Allowance for Teachers and Education Staff Based on Fuzzy Logic Tahani Models)
Examined Student
M. Asrori

- 2019 **Research Proposal Title** at Narotama University
 Sistem Pendukung Keputusan untuk Menentukan Nilai Kredit Pinjaman dengan Fuzzy Logic Model Tsukamoto (Studi Kasus: Koperasi Serba Usaha Artha Mandiri Sidoarjo)
 (in English: Decision Support System to Determine Loan Credit Value with Tsukamoto Fuzzy Logic Model (Case Study: Cooperative of Serba Usaha Artha Mandiri Sidoarjo))
Examined Student
 Farid Rizaldi
- 2019 **Research Proposal Title** at Narotama University
 Pengenalan Hurus Aksara Lontara dengan Menggunakan Metode Naïve Bayes
 (in English: Handwritten Lontara Character Recognition using Naïve Bayes)
Examined Student
 Eki Febrian Muslifah
- 2019 **Research Proposal Title** at Narotama University
 Pengenalan Bahasa Isyarat Indonesia Statis Menggunakan Metode Principal Component Analysis dan Hebb-Rule
 (in English: Static Indonesian Sign Language Recognition using Principal Component Analysis and Hebb-Rule)
Examined Student
 Dwi Setiawan
- 2019 **Research Proposal Title** at Narotama University
 Implementasi Data Mining untuk Pemilihan Menu di Kafe Kopiganes Sebagai Strategi Penjualan dengan Menggunakan Metode Association Rule
 (in English: Implementation of Data Mining for Menu Selection at Kopiganes Café as a Sales Strategy using Association Rule)
Examined Student
 Mohammad Umar Mochtar
- 2019 **Research Proposal Title** at Narotama University
 Sistem Informasi Laboratorium Teknik Informatika Universitas Narotama
 (in English: Laboratory Information System for Informatics Engineering at Narotama University)
Examined Student
 Aneesa Madeng
- 2019 **Research Proposal Title** at Narotama University
 Aplikasi Imunisasi Bayi Berbasis Web (Studi Kasus: Posyandu Kenjeran Surabaya)
 (in English: Web-Based Baby Immunization Application (Case Study: Integrated Service Post at Kenjeran Surabaya))

- Examined Student**
Armilah Dimadi
- 2019 **Research Proposal Title** at Narotama University
Penerapan Metode Naïve Bayes untuk Analisis Sentimen Terhadap Layanan Jasa Maskapai Penerbangan Pada Twitter
(in English: Implementation of Naïve Bayes for Sentiment Analysis of Airlines Services on Twitter Data)
- Examined Student**
Moh. Yasid
- 2018 **Research Proposal Title** at Narotama University
Desain dan Kendali CNC plotter 2D Portable Menggunakan Arduino R3 dan Android
(in English: Design and Control of CNC plotter 2D Portable using Arduino R3 and Android)
- Examined Student**
Muhammad Habibi
- 2018 **Research Proposal Title** at Narotama University
Permainan Interaktif “Ice Cream” Menggunakan Unity 3D dan Metode Agent-based Modelling
(in English: Interactive Game “Ice Cream” using Unity 3D and Agent-based Modeling Method)
- Examined Student**
Wahyu Putra Adi Setiawan

community services program

- 2020 **Presenter** at Researchsoft Data Science
Presenter of Data Science Bootcamp 2 Weeks–Virtual Workshop “Data Science with Python: Data Science Life Cycle, Preprocessing, Feature Engineering, Exploratory Data Analysis, Supervised Learning, and Unsupervised Learning”
- 2020 **Presenter** at Researchsoft Data Science
Presenter of Webinar Series #6–Virtual Workshop “Integrate Machine Learning Model into Android Apps”
- 2020 **Presenter** at Researchsoft Data Science
Presenter of Webinar Series #5–Virtual Workshop “Getting Started Data Science for Non-programmer using WEKA”

- 2020 **Moderator** at Researchsoft Data Science
Moderator of Webinar Series #4-Virtual Workshop “Build Your First Chatbot Assistant with Python”
- 2020 **Presenter** at Researchsoft Data Science
Presenter of Webinar Series #3 “Writing Chapter 1 of Research Proposal Based on Basic Principles in Research Methodology”
- 2020 **Presenter** at Researchsoft Data Science
Presenter of Webinar Series #2 “Preparing the Presentation Content of Undergraduate Thesis Proposal Seminar in Informatics Engineering”
- 2020 **Presenter** at Researchsoft Data Science
Presenter of Webinar Series #1 “Explore Ideas for Selecting Undergraduate Thesis Topics in Informatics Engineering”
- 2020 **Procurement Examiner** at Pasuruan District Education Office
Examiner of Procurement of Learning Facilities for Junior High School Computer Laboratories, Pasuruan, East Java
- 2020 **Recruiter and Assessor** at Private Senior High School Nahdlatul Ulama 1 Gresik
Recruiter and assessor of IT Staff at Private Senior High School Nahdlatul Ulama 1 Gresik, East Java
- 2019 **Procurement Examiner** at Pasuruan District Education Office
Examiner of Server and PC Client Procurement for Computer-Based National Examination at All State Junior High School, Pasuruan City East Java
- 2019 **Data Science Trainer** at Basecamp Syameer Technology
Trainer of Data Science for Industry Needs (PT.PJB Surabaya staff) supported by Researchsoft and Syamerr Technology
- 2019 **Presenter** at Junior High School 43 Surabaya
Presenter (Pemateri) of Healthy Internet Use and Law of Information and Electronic Transactions in Indonesia at Junior High School 43 Surabaya Student
- 2019 **Program Initiator** at Gresik (city) Resort Police
Program Initiator of Optimizing the Use of Wordpress for Information Systems Services Police Certificate Statement at Gresik (city) Resort Police

2019 **Supervised Student Study Service**
at State Junior High School 17 Surabaya
Supervised Student Study Service (**Indonesian**: Kuliah Kerja Nyata) of
Narotama University Student with State Junior High School 17
Surabaya Student

Program Entitled

“Introducing Microsoft Office (Ms.Word, Ms. Excel, and Ms.
PowerPoint) at State Junior High School 17 Surabaya Student ”

2018 **Supervised Student Study Service**
at Junior High School of Kartika IV-11 Surabaya
Supervised Student Study Service (**Indonesian**: Kuliah Kerja Nyata) of
Narotama University Student with Junior High School of Kartika IV-
11 Surabaya Student

Program Entitled

“Introducing Computers and Basic Java Programming at Junior High
School of Kartika IV-11 Surabaya Student”

2018 **Presenter** at Junior High School 43 Surabaya
Presenter (Pemateri) of Healthy Internet Use and Law of Information
and Electronic Transactions in Indonesia at Junior High School 43
Surabaya Student

supervised internship program

2020 **Supervised Student Internship Program**
at UD. Mesin Sandal Raja Surabaya

Project Entitled

“Data Warehouse for Sales Transaction at UD. Mesin Sandal Raja
Surabaya”

Student Participant

Vico Indira Purnomo

2020 **Supervised Student Internship Program**
at UD. Mesin Sandal Raja Surabaya

Project Entitled

“Development (Application) of a Web-based Information System for
Slipper Making Machine Sales at UD. Mesin Sandal Raja Surabaya”

Student Participant

Mustafa Akbar

2020 **Supervised Student Internship Program**
at UD. Mesin Sandal Raja Surabaya

Project Entitled

“Analysis and Design of a Web-based Information System for Slipper
Making Machine Sales at UD. Mesin Sandal Raja Surabaya”

- Student Participant**
Jeri Purwanto
2020 **Supervised Student Internship Program**
at UD. Mesin Sandal Raja Surabaya
- Project Entitled**
“Analysis and Design of a Web-based Information System for Slipper Making Machine Sales at UD. Mesin Sandal Raja Surabaya”
- Student Participant**
Jeri Purwanto
2020 **Supervised Student Internship Program**
at PT. Wiyasa Teknologi Nusantara
- Project Entitled**
“Development of Web-Based Project Management (Periscope) Applications at PT. Wiyasa Teknologi Nusantara”
- Student Participant**
Ainurrochman
2020 **Supervised Student Internship Program**
at BNN Kota Surabaya
- Project Entitled**
“The Mapping System for Narcotics Abuse Events Prone to Support The Performance of the Eradication Division at National Narcotics Agency (Badan Narkotika Nasional) Surabaya”
- Student Participant**
Imam Safi'i
2020 **Supervised Student Internship Program**
at PT. Wiyasa Teknologi Nusantara
- Project Entitled**
“Analysis and Design of a Web-based Information Systems for Sampoerna Cigarette Catalog”
- Student Participant**
Cheevin Yoviananda
2020 **Supervised Student Internship Program**
at PT. Wiyasa Teknologi Nusantara
- Project Entitled**
“Development of a Web-based Sampoerna Cigarette Catalog Information System”
- Student Participant**
Pratama Ryan Hamanda
2020 **Supervised Student Internship Program**
at PT. Telkom Network Area Sorong
- Project Entitled**
“Escorting Customer Data Input Order using Internal Operation Center (IOC) of PT. Telkom Network Area Sorong, West Papua”

- Student Participant**
Ruben Mut Antoh
- 2019 **Supervised Student Internship Program**
at PT. Vascomm Solusi Teknologi
- Project Entitled**
“Development of an Automatic-Testing for Web Development at PT. Vascomm Solusi Teknologi”
- Student Participant**
Dali Kewara
- 2019 **Supervised Student Internship Program**
at PT. Nova Production
- Project Entitled**
“Development of a Web-based Information System for Company Profile at PT. Nova Production”
- Student Participant**
Wahyu Putra Adi Setiawan
- 2018 **Supervised Student Internship Program**
at PT. Piramida Teknologi Informasi
- Project Entitled**
“Development of a Web-based Information System for Final Project Monitoring (Case Study: Institut Teknologi Adhi Tama Surabaya)”
- Student Participant**
Moh. Yasid
- 2018 **Supervised Student Internship Program**
at PT. Piramida Teknologi Informasi
- Project Entitled**
“Analysis and Design of a Web-based Information System for Final Project Monitoring (Case Study: Narotama University)”
- Student Participant**
Sancaka Prana Wisesa
- 2018 **Supervised Student Internship Program**
at PT. BMC Logistik (Berkah Multi Cargo)
- Project Entitled**
“Development of a Web-based Information System and PostgreSQL Database for IT Inventory at PT. BMC Logistik (Berkah Multi Cargo)”
- Student Participant**
Muh. Dimas Yudianto

training and workshop

- 2020 **Big Data Workshop**
at Electronic Engineering Polytechnic Institute of Surabaya
Participants in the Online Workshop and Tutorial “Applying Big Data for Managing Customer Value”
- 2020 **Business Intelligence Workshop**
at Sailendra Institute
Participants in the Online Workshop (4 days) “Business Intelligence and Data Visualization: Fundamental Training”
- 2020 **Deep Learning Workshop**
at Sense Academy
Participants in the Online Workshop “Introduction to TensorFlow 2.0 for Deep Learning”
- 2020 **Deep Learning Workshop**
at Electronic Engineering Polytechnic Institute of Surabaya
Participants in the Online Workshop and Tutorial “Deep Learning for Image Segmentation using Python”
- 2020 **Scientific Writing Workshop**
at 17 August 1945 Semarang University
Participants in the Online Workshop “Writing Textbook: Writing Textbooks based on Research Results, Community Service and Theoretical Studies”
- 2020 **Education Tech. Workshop** at Narotama University
Participant in the Online Workshop “Online Learning with Youtube Media”
- 2020 **Education Tech. Workshop** at Narotama University
Participant in the Online Workshop “Indonesian Online Learning System” (SPADA/Sistem Pembelajaran Daring Indonesia)
- 2020 **Data Mining and Machine Learning Workshop**
at Paramadina University
Participants in the Online Workshop "Intro to Data Mining dan Machine Learning dengan Orange"
- 2020 **Mobile apps and Cloud Service Workshop**
at Surakarta University
Participants in the Online Workshop "Develop Mobile Applications with Android Studio and Google Cloud Firebase"
- 2020 **Scientific Writing Workshop**
at 17 August 1945 Semarang University
Participants in the National Seminar and Online Workshop “Writing Scientific Papers in the Reputable Journals Indexed by Scopus”

- 2020 **Machine Learning Workshop**
 at PT. Bosch Experiential and Innovation Center Surabaya
 Participant in Workshop of Workflow using AirFlow and Deploy
 Machine Learning Model using Flask
- 2020 **Training of Competency Assessor**
 at Fave Hotel MEX Surabaya
 Participant in Training of Competency Assessor (five days) by
 Professional Certification Institute (Lembaga Sertifikasi Profesi) of
 Narotama University Collaborates with Indonesian National
 Certification Agency (Badan Nasional Sertifikasi Profesi)
- 2019 **Machine Learning Workshop**
 at 17 August 1945 Surabaya University
 Participant in Workshop of Machine Learning and Deep Learning:
 The Fundamentals
- 2019 **Scientific Writing Workshop** at Narotama University
 Participant in Workshop of International Research and Publications in
 Q1 and Q2 Journals
- 2019 **Artificial Intelligence and Computer Vision
 Workshop** at JW Marriott Hotel Surabaya
 Participant in Workshop of Intel Vision Technology and Open VINO
 Toolkit Workshop, presented by Intel Vision Technology
- 2019 **Data Science Workshop**
 at Meeting room Cendana Premiere Hotel Surabaya
 Participant in Workshop of Data Science (topics: Descriptive Statistic
 and Exploratory Data Analysis), presented by Inixindo Surabaya
- 2019 **PEKERTI Workshop** at Airlangga University
 Participant in Workshop of Basic Skill Improvement Program (five
 days) for Instructional Technique (PEKERTI), presented by PIPS
 UNAIR
- 2018 **Data Science Workshop** at UNIPDU Jombang
 Participant in Workshop of Data Science Using Python and Its Job
 Opportunities in the Face of Industrial Revolutionary Era 4.0 (topics:
 Machine Learning and Text Mining), presented by Collaboration
 between UNIPDU Jombang, ITS, UI, and UNAIR
- 2018 **Patent Workshop** at Narotama University
 Participant in Patent Workshop: Overcoming the Challenges of
 Lecturer Research, presented by Institute of Research and Community
 Services (*Lembaga Penelitian dan Pengabdian Kepada Masyarakat*) of
 Narotama University
- 2018 **Competency-based Training Materials**
 at Narotama University
 Participant in Writing and Organizing a Competency-based Test-set
 Materials, presented by Professional Certification Institute (*Lembaga
 Sertifikasi Profesi*) of Narotama University

- 2018 **Training of Writing Textbook** at Narotama University
Participant in Writing Course Textbooks for Lecturers in Relevant Fields, presented by Institute of Research and Community Services (*Lembaga Penelitian dan Pengabdian Kepada Masyarakat*) of Narotama University
- 2017 **Training of Proofreading English Articles**
at Electronic Engineering Polytechnic Institute of Surabaya
Participant in Proofreading a Writing of English Articles for Scientific Publications
- 2016 **Training of Web Design using Bootstrap**
at Electronic Engineering Polytechnic Institute of Surabaya
Participant in Developing a Responsive Web Design using Bootstrap to Make an Adaptive Screen Layout at ENUMERATION Program - Technology Community Workshop
- 2014 **Database**
at Electronic Engineering Polytechnic Institute of Surabaya
Participant in Oracle Introduction, Administration Workshop 1&2 Training
- 2013 **Mobile Apps**
at Electronic Engineering Polytechnic Institute of Surabaya
Participant in Phonegap Basic Training
- 2011 **Linux** at Electronic Engineering Polytechnic Institute of Surabaya
Participant in Linux Fun (System Hacking) Training
- 2011 **Entrepreneur**
at Electronic Engineering Polytechnic Institute of Surabaya
Participant in Programmer be Entrepreneur Training
- 2011 **Web Apps**
at Electronic Engineering Polytechnic Institute of Surabaya
Participant in Web Design 2.0 HTML5-CSS3 Training
- 2011 **Microcontroller**
at Electronic Engineering Polytechnic Institute of Surabaya
Participant in Microcontroller Programming Training on the Line Tracer Robot AT Mega 8

project experience

- 2020 **Parallel Computing for Movie Recommender using Alternating Least Square and PySpark Library**
An experiment implemented parallel computing using PySpark Library in Multi-node. The data collection was obtained from the 'Movie and Ratings' dataset, the experiment proposed to build the movie recommender model, that should be recommended the movie to the customer based on the predicted rating level (rating interval 1.0- 5.0). The methods applied to recommend movies to customers using ALS

(Alternating Least Squares) which provided by SparkML.– *Parallel Computing, Movie Recommender, ALS, PySpark*

2020

Twitter Scraping Dynamic Query-based for Classifying A Sentiment Analysis of Social Issues using Hybrid Machine Learning Algorithm on BEOMATRIX Project

An experiment built the twitter sentiment analysis in various social issues and dynamic query which the keyword is input by the user. The dynamic query means the user can input anything to the system using @ (at), # (hashtag), and text query. The system using hybrid machine learning to classify the sentiment label which tweet text is classified as positive, neutral and negative. Hybrid machine learning combined between unsupervised learning and lexicon-based approach. The system also given the user to make easier to understand the sentiment analysis result in the dashboard visualization. – *Twitter Scraping, Dynamic Query-based, Sentiment Analysis, Social Issues, Hybrid Learning*

2019

The Comparison of Prosodic Feature Selection of Human Emotional Voice using GA, PSO and ACO

An experiment selected the emotional speech characteristic of human using Bio-Inspired Algorithm. The data was collected from the emotional speech of Toronto dataset which consists of 7 categories and each category has 200 samples. The dataset was extracted based on the prosodic feature using Sub-harmonic sampling algorithm, and then used Moments of Distribution to obtain the signal pattern of each emotional speech sample. We implemented the feature selection to obtain the important parameters using Bio-inspired algorithm such as Genetic Algorithm, Particle Swarm Optimization, Ant Colony Algorithm, and Bee Swarm Optimization – *Speech Recognition, Feature Extraction, Bio-Inspired Algorithm*

2018

Iterative Grouping of Average: A New Algorithm for Missing Value Imputation

An experiment was carried out to handle the missing values. Usually, missing values imputation using the common average formula on each continuous data column has a lack which the resulting value does not vary. If the data variation for imputation is monotonous, the differences of characteristics on each data column will decrease. This will cause poor data modeling results, because machine learning assumes that the data characteristics of class X are similar to class Y. This algorithm is purpose to increase the precision of missing value imputation predictions can use a new algorithm, namely iterative grouping of average. – *Missing Value, Imputation, Data Mining*

2017

High-Performance Computing (HPC) and Parallel Processing Testing using Message Passing Interface (MPI) Protocol in PandaBoard Multi-node (Research Group)

- An experiment built Big Data in Hadoop Multi Node Linux Environment (connected to two or more nodes) and built the model using classification or clustering algorithm which is provided by Spark Machine Learning Library. – *Linux, PandaBoard, Microcomputer*
- 2017 **Big Data in Hadoop Multi-Node Linux Environment and Spark Machine Learning Library (Research Group)**
 An experiment implemented high requirement environment using 32 nodes (PandaBoard) which has capability to solve parallel processing such as test a program to calculate prime numbers by utilizing HPC and MPI, and then compared the performance (the number of process and elapsed time) between PandaBoard 32 nodes and Laptop core i5. – *Linux, Hadoop, Spark*
- 2016 **Random Number Generator for Variable Independence Test using Chi-Square (Case Study: Breast Cancer Dataset)**
 An application was developed to simulate a modelling of Random Number Generator (RNG) from variable of breast cancer case study (to two variables independence test between **age** and **cancer stage**) which was tested into Chi-square method.– *Web Application, RNG, Chi-square*
- 2016 **Search Engine for News Ranking using Text Mining**
 An application was developed a search engine for news using text mining process include tokenizing, filtering, stemming-tagging, and analyzing. The system will get keyword input from user, and then process into text mining (to get important and basic words), and system output will be displayed the news ranking that contains keyword from user input.– *Web Application, Text Mining, News, Search Engine*
- 2016 **Data Mining Tools using Rapidminer and Weka in Case Study**
 An experiment that was carried out to use data mining tools such as Rapidminer and Weka to solve the case study in missing values of dataset, SVM performance analysis using 4 kernels (Linear, RBF, Sigmoid, and Polynomial), find reliable algorithm for numeric and nominal data type, and outlier detection (Density and distance based). – *Desktop Application, Data Mining Tools, Library*
- 2016 **Convolution Method for Noise Image Reduction**
 An application was developed to solve image processing problem which has noise, because of the difference of high and low frequency. To remove the different point with the nearest point is needed noise reduction process using filtering. The filter was applied in kernel form which convoluted with the original image, the purpose is to improve image quality. – *Noise Image, Filtering, Matlab Programming*

- 2015 **K-means Optimization using Genetic Algorithm**
 An experiment optimized a clustering algorithm such as K-means which has a drawback, because of the clustering result with K-means is not consistent (always changing), sometimes good or bad. Therefore, it needs Genetic Algorithm to optimize K-means. – *K-means, GA, Optimization, Java Programming*
- 2015 **Neural Network Algorithm on Intelligent Computing and Application**
 An application that was developed to process numerical input and generate a conclusion output using several methods or algorithms which was inspired by artificial neural network includes Single Perceptron, Multi Perceptron, Backpropagation, and Kohonen SOM. – *Web Application, Neural Network, Intelligent Computing*
- 2015 **Image Segmentation Algorithm for Leaf Edge Recognition based on Android Application**
 An Android-based image processing application that was developed to recognize the leaf from the leaf edge. – *Mobile Application, Edge Detection, Leaf, Android*
- 2014 **Development of Training Participant Management Web-based Information System at PT. Infomedia Nusantara Surabaya**
 A Web-based information system was developed to manage, assess, and evaluate the training participant in the Company. – *Web Application, Training Participant, Company*
- 2014 **Development of Ground Transportation Web-based Information System at Surabaya**
 A Web-based information system was developed to provide easy information about ground transportation service for public society at Surabaya. – *Web Application, Transportation, Route Service*
- 2013 **Development of Computer Graphic based on 2D and 3D Objects using C ++**
 A Computer Graphic based on 2D and 3D objects was developed to display a combination of specific object such as 2D takeoff of airplane motion and 3D robot soccer motion. – *Desktop Application, Computer Graphic, 2D/3D Object*
- 2013 **Educational Games for Elementary School**
 A game was developed using Adobe Flash and action script programming language which proposed to provide a learning media for elementary school students digitally. – *Desktop Application, 2D Game, Elementary School*

skill competence

	Application
Desktop	MacOS, Windows, Linux
Microsoft Office	Ms. Office, Ms. Excel, Ms. Power Point, Ms. OneNote, Ms. Outlook, Ms. Publisher
Programming	Python Native, Flask (Python Framework), R, PHP Native, Codeigniter (PHP Framework), Android Native, Flutter (Android Cross-platform Framework), Matlab, Java, C++
Database	Oracle, PostgreSQL, MongoDB, MySQL, SQLite, Ms. Access
System Design	Ms. Visio, Power Designer (Use Case Diagram, Entity Relationship Diagram, Data Flow Diagram)
Data Engineering Tools	Hadoop, Pig, Hive, Oracle Xquery, Spark, Mahout, Cassandra, Kafka, Sqoop, Google BigQuery
Data Analytics Tools	Pentaho (Data Integration, Schema Workbench, Business Intelligence), SQL Server, Power BI, Tableau, Metabase, Streamsets, Talend
Data Science Tools	Anaconda (Python), R, Weka, RapidMiner, Azure Machine Learning, Orange Data Mining

language competency

- 2020 **Royal English–Test of English Language Proficiency (TEFL)**
Successfully Completed the TEFL with total scores: 610
- 2020 **English First–Standard English Test (EF SET)**
Successfully Completed the EF SET Certificate and has Earned the English level: 58/100 B2 Upper Intermediate

competency certification

- 2020 **Professional Certification Institute – Information and Telecommunications Technology**
Indonesian: Lembaga Sertifikasi Profesi (LSP) – TIK
Competent in the area of **Workplace Assessment** with Qualification/ Competency: **Assesor of Competency** (the certificate is valid for 3 years)
- 2019 **Professional Certification Institute – Information and Telecommunications Technology**
Indonesian: Lembaga Sertifikasi Profesi (LSP) – TIK

Competent in the area of **Software Development** with Qualification/
Competency: **System Analyst** (the certificate is valid for 3 years)

2018 **Professional Certification Institute – Information and
Telecommunications Technology**

Indonesian: Lembaga Sertifikasi Profesi (LSP) – TIK

Competent in the area of **Software Development** with Qualification/
Competency: **Database Programming** (the certificate is valid for 2
years)

2018 **Professional Certification Institute – Information and
Telecommunications Technology**

Indonesian: Lembaga Sertifikasi Profesi (LSP) – TIK

Competent in the area of **Computer Operator** with Qualification/
Competency: **Practical Office Advanced** (the certificate is valid for 2
years)

scholarship

2020 **ITB Mathematics Summer School on Combinatorial
Design and Data Science**

at Bandung Institute of Technology

Completed all courses (five days): Algebraic Probability Spaces,
Introduction to Gaussian Processes and Their Applications, Predictive
Analytics: Theory and Applications, Text Classifications using Machine
Learning, and Data Science & Social Media Analytics

2020 **Google Digital Entrepreneurship Schema of Digital
Talent Scholarship Training Program**

at Ministry of Communication and Information of the Republic of
Indonesia and Microsoft

Completed all competency units for general class in Google Digital
Entrepreneurship Scholarship Training 2020 – Online Academy
Program, Collaboration between the Ministry of Communication and
Information of the Republic of Indonesia and Google.

2019 **Data Science and Data Analytics Schema of Digital
Talent Scholarship Training Program**

at Ministry of Communication and Information of the Republic of
Indonesia and Microsoft

Completed all courses and received passing grades for professional
program in Data Science and Data Analytics Schema of a Digital Talent
Scholarship Training 2019 (two months) – Online Academy Program
with Digital Skills Training Theme, Collaboration between the
Ministry of Communication and Information of the Republic of
Indonesia and Microsoft.

awards

- 2017 **Applied Master Program – Cum Laude Predicate**
at Electronic Engineering Polytechnic Institute of Surabaya
Academic Achievement for Applied Master of Information
Technology with Cum Laude Predicate
- 2016 **Best Paper Award** at KCIC International Conferences
Category of Intelligent Computing for Medical Engineering and
Analysis for the paper entitled: “The Determinant Factor of Breast
Cancer on Medical Oncology using Feature Selection Based
Clustering”
- 2015 **Applied Bachelor Program – Cum Laude Predicate**
at Electronic Engineering Polytechnic Institute of Surabaya
Academic Achievement for Applied Bachelor of Information
Technology with Cum Laude Predicate

research grants

- 2015 **Prototype of Smart Home NFC-based on the
Smartphone**
at Ministry of Research, Technology and Higher Education Indonesia
The research of Creativity Student Program

publications

intellectual property right (*Hak Kekayaan Intelektual – Hak Cipta*)

- 2018 **Reconstruction of 3 Dimensions the Heroes
Monument Surabaya**
(*Rekonstruksi 3 Dimensi Tugu Pahlawan Surabaya*)
Creator
1.) Maulana Rizqi, ST., MT. MSc.,
2.) Agustinus Bimo Gumelar, ST., MT.,
3.) Agung Widodo, ST., MT.,
4.) Tresna Maulana Fahrudin, S.ST., MT.
-
- Number and Date of Application**
EC00201850990, October 22nd 2018
- Record Number**
000122041
- 2018 **Early Warning Application on Infant Immunization**
(*Aplikasi Early Warning Pada Imunisasi Bayi*)
Creator

- 1.) Made Kamisutara, ST., M.Kom.
- 2.) I Putu Artaya, SE., MM.
- 3.) Tubagus Purworusmiardi, S.Kom., MM.
- 4.) I Gusti Ayu Sri Deviyanti, ST., MT.
- 5.) Achmad Zakki Falani, S.Kom., M.Kom.
- 6.) Tresna Maulana Fahrudin, S.ST., MT.
- 7.) Latipah, ST., MIT.

Number and date of application

EC00201849743, October 16th 2018

Record Number

000120993

paper publication in journal

- 2020 **A Feature–Driven Decision Support System for Heart Disease Prediction Based on Fisher's Discriminant Ratio and Backpropagation Algorithm**
author
Muh Dimas Yudianto, Tresna Maulana Fahrudin, Aryo Nugroho
at Journal
Lontar Komputer: Jurnal Ilmiah Teknologi Informasi, Vol. 11, No. 2, July 2020. (this journal has been accredited by Ministry of Research, Technology and Higher Education Republic of Indonesia)
- 2020 **Unsupervised Twitter Sentiment Analysis on The Revision of Indonesian Code Law and the Anti–Corruption Law using Combination Method of Lexicon Based and Agglomerative Hierarchical Clustering**
author
Nur Restu Prayoga, Tresna Maulana Fahrudin, Made Kamisutara, Angga Rahagiyanto, Tahegga Primananda Alfath, Slamet Winardi, Kunto Eko Susilo
at Journal
EMITTER International Journal of Engineering Technology, Vol. 8, No. 1, June 2020. (this journal has been accredited by Ministry of Research, Technology and Higher Education Republic of Indonesia)
- 2019 **Original Title**
Klasifikasi Suara Tangisan Bayi Berdasarkan Prosodic Features Menggunakan Metode Moments of Distribution dan K–Nearest Neighbours
in English
Classification of Infant Crying Sounds Based on Prosodic Features Using Moments of Distribution and K–Nearest Neighbors

- author**
Tresna Maulana Fahrudin Aditya Singgi Prayogi, Maulana Rizqi, Tresna Maulana Fahrudin
at Journal
TEKNIKA, Vol.8, No. 2, November 2020
- 2019 **Original Title**
Seleksi Fitur Dan Preferensi Penyerang Terbaik Liga Inggris Berbasis Fisher's Discriminant Ratio, K-Means Clustering Dan Topsis
in English
Feature Selection and Preference for the Best Premier League Attackers Based on Fisher's Discriminant Ratio, K-Means Clustering and Topsis
- author**
Alif Sefty Wiyantoro, Lukman Junaedi, Tresna Maulana Fahrudin
at Journal
JIF: Jurnal Ilmiah Informatika, Vo. 7, No.2, October 2019
- 2019 **Original Title**
Analisis Sentimen Pengguna Twitter Terhadap Polemik Persepakbolaan Indonesia Menggunakan Pembobotan TF-IDF dan K-Nearest Neighbor
in English
Twitter User Sentiment Analysis of Indonesian Football Polemic using TF-IDF Weighting and K-Nearest Neighbor
- author**
Jeremy Andre Septian, Tresna Maulana Fahrudin, Aryo Nugroho
at Journal
INSYST: Journal of Intelligent System and Computation, Vol.1, No.1, August 2019
- 2019 **Original Title**
Analisis dan Pemetaan Jumlah Penumpang Kereta Api di Indonesia Menggunakan Metode Statistik Deskriptif dan K-means Clustering
in English
Analysis and Mapping of the Number of Train Passengers in Indonesia using Descriptive Statistical and K-means Clustering
- author**
Benny Wijaya, Tresna Maulana Fahrudin, Aryo Nugroho
at Journal
Mantik: Manajemen, Teknologi Informatika dan Komunikasi, Vol. 3, No. 2, August 2019
- 2018 **Lyric Text Mining of Dangdut: Visualizing the Selected Words and Word Pairs of The Legendary Rhoma Irama's Dangdut Song in the 1970s Era**

- author**
Tresna Maulana Fahrudin, Ali Ridho Barakbah
at Journal
Systemic: Information System and Informatics Journal, Vol. 4, No. 2, December 2018
- 2018 **Original Title**
Pemodelan dan Evaluasi Trend Forecasting Pada Kondisi Korban Kecelakaan Lalu Lintas Menggunakan Trend Moment dan Least Square
in English
Modelling and Evaluation of Trend Forecasting on Traffic Accidents Victims using Trend Moment and Least Square
- author**
 Sancaka Prana Wisesa, Aditya Singgi Prayogi, Tresna Maulana Fahrudin
at Journal
Jurnal Sistem Cerdas – Asosiasi Prakarsa Indonesia Cerdas (APIC), Vol. 1, No. 2, December 2018
- 2017 **Data Mining Approach for Breast Cancer Patient Recovery**
author
Tresna Maulana Fahrudin, Iwan Syarif, Ali Ridho Barakbah
at Journal
EMITTER International Journal of Engineering Technology, Vol. 5, No. 1, June 2017. (this journal has been accredited by Ministry of Research, Technology and Higher Education Republic of Indonesia)
- paper in conferences/proceedings**
- 2020 **‘Pick-them-Up’, an Android Based Application to Shorten School Shuttle Time (Proceeding published by Nusantara Science and Technology Proceedings)**
author
 Slamet Winardi, Tresna Maulana Fahrudin, Sri Wiwoho Mujanarko, Benediktus Anindito
at Program
ISRM: International Seminar of Research Month on at UPN “Veteran” Jawa Timur, October 2019
- 2019 **Forecasting Public Services Maladministration in Local Government (Proceeding published by European Union Digital Library)**
author
 Tatiek Sri Djatmiati, Tahegga Primananda Alfath, Tresna Maulana Fahrudin

- at Program**
1st International Conference on Business, Law and Pedagogy, ICBLP 2019, Sidoarjo, 13–15 February 2019
- 2019 **Estrous Cycle Prediction of Dairy Cows for Planned Artificial Insemination (AI) Using Multiple Logistic Regression (Indexed by Scopus)**
author
Randy Anwar Romadhony, Agustinus Bimo Gumelar, Tresna Maulana Fahrudin, Jauhara Rana Budiani, Wahyu Putra Adi Setiawan, Febri Dwi Cahaya Putra, Rizky Davit Nugroho
- at Program**
iSemantic: International Seminar on Application for Technology of Information and Communication 2019–IEEE co-sponsored conference, at Universitas Dian Nuswantoro Semarang (Indonesia), September 21–22, 2019
- 2019 **Human Voice Emotion Identification Using Prosodic and Spectral Feature Extraction Based on Deep Neural Networks (Indexed by Scopus)**
author
Agustinus Bimo Gumelar, Afid Kurniawan, Adri Gabriel Sooi, Mauridhi Hery Purnomo, Eko Mulyanto Yuniarno, Indar Sugiarto, Agung Widodo, Andreas Agung Kristanto, Tresna Maulana Fahrudin
- at Program**
IEEE 7th International Conference on Serious Games and Applications for Health (SeGAH), at Japan, August 2019
- 2017 **Discovering Patterns of NED–Breast Cancer Based on Association Rules Using Apriori and FP–Growth (Indexed by Scopus)**
author
Tresna Maulana Fahrudin, Iwan Syarif, Ali Ridho Barakbah
- at Program**
The International Electronics Symposium on Knowledge Creation and Intelligent Computing (IES–KCIC) 2017–IEEE co-sponsored conference, at Surabaya (Indonesia), September 26–27, 2017
- 2016 **The Determinant Factor of Breast Cancer on Medical Oncology using Feature Selection Based Clustering (Indexed by Scopus)**
author
Tresna Maulana Fahrudin, Iwan Syarif, Ali Ridho Barakbah
- at Program**

- International Conferences on Knowledge Creation and Intelligent Computing (KCIC) 2016–IEEE co-sponsored conference, at Manado (Indonesia), November 2016*
- 2016 **Feature Selection Algorithm using Information Gain Based Clustering for Supporting the Treatment Process of Breast Cancer (Indexed by Scopus)**
author
Tresna Maulana Fahrudin, Iwan Syarif, Ali Ridho Barakbah
at Program
International Conferences on Informatics and Computing (ICIC) 2016–IEEE co-sponsored conference, at Lombok (Indonesia), October 2016
- 2016 **Ant Colony Algorithm for Feature Selection on Microarray Datasets (Indexed by Scopus)**
author
Tresna Maulana Fahrudin, Iwan Syarif, Ali Ridho Barakbah
at Program
International Electronics Symposium (IES) 2016–IEEE co-sponsored conference, at Bali, September 2016
- 2015 **Pembangunan Sistem Informasi Pelayanan Administrasi Sebagai Upaya Menjaga Validitas SKCK dan Perizinan di Lembaga Kepolisian in English**
Development of Ditintelkam (Directorate of Intelligence and Security) Administrative Services Information System an Attempt to Protect Validity of Police Record Certification in Police Institution
author
Tresna Maulana Fahrudin, Wiratmoko Yuwono, Ferry Astika Saputra
at Program
Seminar Nasional Teknologi Informasi dan Komunikasi Terapan (SEMANTIK) at Universitas Dian Nuswantoro Semarang, 2015.

Books

- 2020 **Original Title**
Desain Mobile Robot dengan Kendali Smart Phone Android in English
Mobile Robot Design with Android Smartphone Control
author
Slamet Winardi, Arief Budijanto, Kunto Eko Susilo, Tresna Maulana Fahrudin
Publisher
Scopindo Media Pustaka

additional works

- 2020 **at Researchsoft Data Science**
Founder and Course Producer at Researchsoft Data Science, Virtual Training and Education Services: Data Science, Big Data Analytic, Data Warehouse dan Business Intelligence, AI for Bio-inspired Algorithm, Natural Language Processing, and Research Methodology
- 2020 **at BEOMATRIX**
Founder BEOMATRIX, Pre-Startup, focus on Text Mining Analysis and Chatbot Product Services
- 2020 **at Repositor Journal**
Reviewer in Repositor Journal (Jurnal Bidang Informatika) at Universitas Muhammadiyah Malang
- 2020 **at BIOS Journal**
Reviewer in BIOS Journal (Jurnal Teknologi Informasi dan Rekayasa Komputer) at Pusat Penelitian & Pengembangan (PUSLITBANG) Sinergis Asa Professional, Jember
- 2019 **at Narotama University**
Coordinator of Undergraduate Thesis (Koordinator Skripsi) in Informatics Engineering Program Study, Faculty of Computer Science, Universitas Narotama
- 2018 **at Narotama University**
Coordinator of Curriculum (Koordinator Kurikulum) in Informatics Engineering Program Study, Faculty of Computer Science, Universitas Narotama

organizational and event activities

- 2020 **at UPN "Veteran" Jawa Timur**
Participant in the "Socialization of the Research and Community Service Guidebooks Ed. XII 2020"
- 2020 **at Electronic Engineering Polytechnic Institute of Surabaya**
Participant in the Guest Lecturer "Inside Drone Emprit: Natural Language Processing, Sentiment Analysis, Emotion Analysis, Bot Detection, and Demography Analysis"
- 2020 **at The Indonesian Higher Education Chancellors Council (MRPTNI)**
Participant in the People to People Relationships (P2P) Program "Natural Language Processing (NLP) Research at Boston University"
- 2020 **at UPN "Veteran" Jawa Timur**
Participant in the Webinar Series #4 "Knowledge Graph dan its Applications"
- 2020 **at Universitas Islam Negeri Sultan Syarif Kasim Riau**
Participant in the Webinar Series #4 "Fundamental and Research Big Data Analytic"

2020 **at Universitas Islam Negeri Sultan Syarif Kasim Riau**
Participant in the Webinar Series #3 “Research, Applied Artificial Intelligence and Data Mining”

2020 **at Universitas Islam Negeri Sultan Syarif Kasim Riau**
Participant in the Webinar Series #2 “Big Data and Bioinformatics Research”

2020 **at Universitas Islam Negeri Sultan Syarif Kasim Riau**
Participant in the Webinar Series #1 “Machine Learning and Deep Learning Research”

2020 **at Universitas Islam Negeri Sultan Syarif Kasim Riau**
Participant in the Webinar Series #1 “Machine Learning and Deep Learning Research”

2020 **at Elsevier**
Participant in the Webinar “Elsevier’s Empower Your Research Journey Webinar”

2020 **at Electronic Engineering Polytechnic Institute of Surabaya**
Participant in the Webinar Series #2 “Data Mining dan Data Science”

2020 **at Fajar Makassar University**
Participant in the Webinar “Introduction to Drone Emprit for Social and Data Science Research”

2020 **at Politeknik Statistika STIS**
Participant in the Statistic Webinar Series #7 “Data Science for Government and Business”

2020 **at Widya Gama Mahakam University**
Participant in the Webinar “How to Quote in Academic Writing”

2020 **at Widya Gama Mahakam University**
Participant in the Webinar “Learning TOEFL Nowadays: The Series, Listening, Structure, Reading”

2020 **at Brawijaya University**
Participant in the Webinar “Understanding COVID-19 from Biological Perspective and Machine Learning Approach”

2020 **at Bisa.AI**
Participant in the Webinar “Artificial Intelligence in Military Industry”

2020 **at Narotama University**
Participant in the International Webinar “Post COVID-19 Recovery in Business, Entrepreneurship, Economic, Education, Higher Education and Sustainability (Indonesia, Egypt, Malaysia, Thailand)”

2020 **at Bisa.AI**
Participant in the Webinar “Bedah Data Science”

2020 **at Bisa.AI**
Participant in the Webinar “Quantum Computing”

- 2020 **at Bisa.AI**
Participant in the Webinar “Introduction to Generative Adversarial Network (GAN)”
- 2020 **at Narotama University**
Participant in the International Webinar “Business and Entrepreneurship 4.0 New Normal COVID-19”
- 2020 **at Indonesian Economic Scholars Association (IKOPIN),
Bank Indonesia, Bank BJB**
Participant in the Online National Seminar “The New Economics Era After Covid-19”
- 2020 **at Virtual Coordinator Indonesia Community**
Participant in the Education Technology Week "Becoming a Digital Educator in the Covid-19 Period"
- 2020 **at Preinexus Multiversity Asia**
Participant in the Virtual Seminar “Strategy to Build an E-Learning Ecosystem”
- 2020 **at Preinexus Multiversity Asia**
Participant in the Virtual Seminar “Strategy to Build an E-Learning Ecosystem”
- 2020 **at Preinexus Multiversity Asia**
Participant in the Seminar (Webinar) “Virtual UNESCO ICT Competency Framework for Teacher”
- 2020 **at UIN Syarif Hidayatullah Jakarta**
Participant in the Partial Online Seminar (Webinar) “Conquering the World Full of Data with Data Science”
- 2020 **at Narotama University**
Participant in the Focus Group Discussion of Internationalization of Higher Education through International Accreditation
- 2019 **at Narotama University**
Person in Charge (PIC) in the Program of International Webinar Advancing Science in Indonesia: Current Global Research Practice
- 2019 **at LLDIKTI Wilayah VII Surabaya**
Participant in the Technical Guidance for Organizing the Content of Distance Education e-learning Courses - Director General of Learning and Student Affairs
- 2019 **at PT Robert Bosch Surabaya**
Participant in the Welcoming Industry 4.0: Smart Breeding Program
- 2019 **at Sepuluh Nopember Institute of Technology (ITS) Surabaya**
Participant in the Discussion of Knowledge Management Smart City: Good Practice and Strategy for Data Analytics Smart City
- 2019 **at State of Surabaya University**
Participant in the Socialization of Distance Education and Indonesian Online Learning System at State of Surabaya University (Organized by

- the Directorate General of Learning and Student Affairs, Ministry of Research and Higher Education)
- 2019 at **Narotama University**
The Chief Organizer of Virtual Reality and Augmented Reality Workshop for Beginner - Batch 1
- 2018 at **Widya Mandala Catholic University of Surabaya**
Participant in the Managing Education Seminar in the Age of Industry 4.0 (supported by International Association of Traffic and Safety Sciences (IATSS) Forum Suzuka Japan)
- 2018 at **Airlangga University**
Participant in the World Class Scholar Symposium 2018
- 2018 at **Electronic Engineering Polytechnic Institute of Surabaya**
Participant in the Panel Discussion: Digital Content Development Strategy in Industrial Revolution 4.0 and IoT
- 2018 at **Narotama University**
Assistant in Training of Office Software Utilization by Professional Certification Institute (*Lembaga Sertifikasi Profesi*) - Narotama University
- 2016 **ISKc**
Regular Membership Student of International Society of Knowledge Creation (iSKc)
- 2015 at **Universitas Dian Nuswantoro, Semarang City, Central Java**
Participant in National Seminar on Information Technology and Applied Communication
Seminar Nasional Teknologi Informasi dan Komunikasi Terapan (SEMANTIK)
- 2014 at **Electronic Engineering Polytechnic Institute of Surabaya**
Member of Student Activity Units - Table Tennis
- 2013 at **Electronic Engineering Polytechnic Institute of Surabaya**
Participant of Creative Game Competition
- 2013 at **Electronic Engineering Polytechnic Institute of Surabaya**
Participant of SEO (Search Engine Optimization) Workshop
- 2012 at **Electronic Engineering Polytechnic Institute of Surabaya**
Liaison Officer at the fourteenth Industrial Electronics Seminar 2012

signature

The fully truth of the details are guaranteed. With strong sense of responsibility, hands on management and communication skills. Strong loyalty and self-motivation.

regards,

Tresna Maulana Fahrudin, S.ST., M.T.