Riwayat Hidup

Nama : WISNU JATMIKO
Tempat, tanggal lahir : Surabaya, 16 Desember 1973
Jenis Kelamin : Laki-laki
Jabatan Fungsional : Guru Besar
NIDN : 0016127301
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Akun Youtube : https://youtube.com/@labtv-1231

A. Data Keluarga

Nama Lengkap	Hubungan
Irma Hany, S.T., M.T	Istri
Aisya Amalia Putri	Anak
Muhammad Yusuf Haidar	Anak
Muhammad Yunus Setiaji	Anak
Maryam Thuafaila Putri	Anak
Daud Ibrahim Adityabagas	Anak
H. Kolonel Laut (Purn.) Eddy Neogroho, M. Sc	Ayah
Hj. Nuk Maria Zulaicha	Ibu

B. Riwayat Pendidikan

Program:	S-1	S-2	S-3
Nama PT	Universitas Indonesia	Universitas Indonesia	Nagoya University
Bidang Ilmu	Teknik Elektro	Ilmu Komputer	Micro-nano Engineering
Tahun Masuk-Lulus	1992-1997	1998-2000	2004-2007
Judul Skripsi/Tesis/Disertasi	Implementation of Parallel Fast Fourier Transform Algorithm based on Parallel Virtual Machine (PVM)	Improving the Electronic Nose Systems Uses 16 Sensors: Characteristic and Application	Particle Swarm Optimization for Odor Source Localization
Nama Pembimbing/Promotor	Prof. Bagio Budiardjo	Prof. Benyamin Kusumoputro	Prof. Toshio Fukuda

C. Riwayat Jabatan Struktural di UI

No.	Pekerjaan	Periode
1	Dosen Tetap Fasilkom UI	2000-sekarang
2	Manajer Riset Fasilkom UI	2008-2013
3	Manajer Riset Fasilkom UI	2013-2017

4	Koordinator Program Studi Magister dan Doktoral Ilmu Komputer UI	2017-2020

D. Riwayat Kepegawaian/Kepangkatan

No.	Golongan	Jabatan Fungsional	Terhitung Tanggal
1	Penata Muda Tingkat I/IIIb	Tenaga Pengajar	1 Desember 2008
2	Penata/IIIc	Lektor	1 Januari 2010
3	Penata/IIIc	Lektor Kepala	1 Oktober 2014
4	Penata Tingkat I/IIId	Guru Besar	1 Agustus 2017
5	Pembina/IVa	Guru Besar	2019
6	Pembina Tingkat I/IVb	Guru Besar	2021
7	Pembina Utama Muda/IVc	Guru Besar	2023
8	Pembina Utama Madta/IVd	Guru Besar	2025

E. Penghargaan

No	Jenis Penghargaan	Tahun
1	Outstanding member recruitment and retention performance award of IEEE membership 2020 from IEEE Center in USA	2020
2	Outstanding Section atas pencapaiannya pada Project 'Reaching Locals' yang diselenggarakan oleh IEEE Asia-Pacific Region (R10)	2020
3	Outstanding member recruitment and retention performance award of IEEE membership 2019 from IEEE Center in USA	2019
4	100 besar penulis versi Science and Technology Index (Sinta: http://sinta2.ristekdikti.go.id/authors/detail?id=37160&view=overview) dengan H-index 12 dan jumlah artikel terindeks Scopus sebanyak 115 artikel	2017
5	Orasi Ilmiah pada Dies Natalis ke-67 dan Wisuda Program Profesi, Spesialis, Magister dan Doktor Universitas Indonesia, Depok 4 Februari 2017	2017
6	Who's Who in the World 2016 - 33rd Edition	2016
7	108 Inovasi Indonesia "E-Cardio: Sistem Terintegrasi Pendeteksian Dinidan Monitoring Penyakit Jantung", 2016	2016
8	108 Inovasi Indonesia "Simulator Robot Pencari Sumber Asap", 2016	2016
9	UI Research Awards, Universitas Indonesia	2015
10	107 Inovasi Indonesia "Sistem Telehealth Pertumbuhan Janin", 2015	2015
11	107 Inovasi Indonesia "Sistem Pengaturan Lampu Lalu Lintas terdistribusimenggunakan sensor kamera dandata realtime", 2015	2015
12	The Habibie Award	2015
13	UI Research Awards, Universitas Indonesia	2014
14	Duta IPTEK (Widyasilpawijana), 2014	2014
15	Asia Pacific ICT Award (APICTA), category: research& development, 2014	2014
16	UI Research Awards, Universitas Indonesia	2013

No	Jenis Penghargaan	Tahun
17	Supervisor for ICACSIS Best Student Paper Award Bali Indonesia	2013
18	UI Research Awards, Universitas Indonesia	2012
19	Supervisor Tim Gemastik Peraih Medali Emas (Prototype Sistem Isyarat Bahasa Indonesia Memanfaatkan Sensor Kinect Menggunakan Algoritma Generalized Learning Vector Quantization). Universitas Indonesia	2012
20	UI Research Awards, Universitas Indonesia	2011
21	Supervisor Tim Gemastik Peraih Medali Emas (Prototipe Sistem Pendeteksian Dini Penyakit Jantung(Heart Disease) Berdasarkan Sinyal Elektrokardiogram Menggunakan Algoritma Fuzzy Learning Vector Quantization). Universitas Indonesia	2011
22	University Research Achievement, Universitas Indonesia	2010
23	Nonimation Best Paper Award, International Symposium on Robotics and Intelligent Sensors, Nagoya, Jepang	2010
24	UI Research Awards, Universitas Indonesia	2010
25	Supervisor Tim Gemastik Peraih Medali Emas (Pengaturan Lampu Lalu Lintas Terdistribusi Menggunakan Sensor Kamera Dan Data Real-Time). Universitas Indonesia	2010
26	Best Paper Award, International Symposium on Micro-Nano Mechatronics and Human Science, Nagoya, Jepang	2009
27	Scientific Research Fund of the Ministry of Education, Culture, Sports, Science and Technology of Japan.	2006-2007
28	Asisten riset untuk skema Research Grant dari Global Scienceof Excellence for Education and Research of Micro-Nano Mechatronics, Nagoya University, Jepang	2006
29	Asisten riset untuk skema Research Grant dari Hori Sciences and Arts Foundation, Jepang	2006
30	Finalist Best Student Paper IEEE Sensors, California, USA	2005
31	Penerima Beasiswa Monbukagakusho, Jepang	2003-2007
32	Asisten Riset Unggulan Terpadu	1998-2000

F. Pengalaman Organisasi dan Keanggotaan

No	Jabatan	Periode
1	General Chair di IEEE International Workshop on Big Data and Information Security (terindeks di Scopus)	2020
2	Chair of IEEE Indonesia Section	2019 & 2020
3	Technical activity coordinator of IEEEIndonesia Section	2017
4	General Chair di IEEE International Conference on Computer Science and Information Systems (terindeks di Scopus)	2017
5	General Chair di IEEE International Workshop on Big Data and Information Security (terindeks di Scopus)	2017
6	Technical Program Committee Member di International Conference on Informatics and Computing	2017

No	Jabatan	Periode
7	Technical Program Committee Chair di International Conference on Informatics and Computational Science	2017
8	Program Chair di IEEE International Workshop on Big Data and Information Security (terindeks di Scopus)	2016
9	Program Chair di IEEE International Conference on Computer Science and Information Systems (terindeks di Scopus)	2009-2016
10	Program Chair International Conference on Advanced Computational Intelligence and Its Application (ICACIA)	2008
11	Chief Editor Jurnal Ilmu Komputer dan Informasi (Terakreditasi Nasional)	2008-sekarang
12	Reviewer di jurnal internasional, seperti: Pattern Recognition Letters (Q1 Elsevier), Advanced Robotics (Q2 Tailor & Francise), Biomedical Signal Processing and Control (Q2 Elsevier), Neural Computing and Applications (Q2 Springer)	2007-sekarang
13	Reviewer di konferensi ilmiah internasional level A, seperti: IROS, ICRA, Tencon, dll	2007-sekarang
14	IEEE Senior Member	2019-sekarang
15	IEEE Member	2007-sekarang
16	IEEE Student Member	2003-2007

G. Kegiatan Penelitian Konsorsium

No	Tahun	Judul Program	Sumber Pendanaan
1	2024-2027	Vertical Intelligent Applications in Smart City Ecosystem: Extensible Modular Smart City Framework through AI-as-a-Service Platform, melibatkan: Universitas Gadjah Mada dan Nanyang Technological University	RISPRO INSPIRASI
2	2024	Desain Prototype Holter Monitor Multilead 3 Lead/6 Lead, melibatkan: Telkom University dan Universitas Sriwijaya	Kemendikbud Ristek
3	2023	Building Damage Assessment using Feature Concatenated Siamese Neural Networks,	Hibah UI-MMU BISA Tahun 2023
4	2019-2021	Pengembangan Integrated Smart Portable Telehealth USG System untuk Meningkatkan Indeks Kesehatan Ibu dan Bayi di Indonesia, melibatkan: Universitas Indonesia, Universitas Gadjah Mada, Universitas Udayana	Kemenristekdikti
5	2017	ICT on Maritime, melibatkan: Universitas Indonesia, Solusi247, Bakamla, TNI AL 1	Kemenristekdikti

6	2016-2021	Sustainable Higher Education Research Alliances (SHERA), melibatkan: Universitas Indonesia, University of California at Irvine (UC), University of Florida (UF), University of Hawaii at Manoa, Savannah State University (SSU), Universitas Padjajaran (UnPad), Universitas Diponegoro (Undip), Universitas Udayana (UnUd), Lembaga Ilmu Pengetahuan Indonesia (LIPI), IBM Indonesia and General Electric (GE) Indonesia.	United States Agency for International Development (USAID) - Kemenristekdikti
7	2016-2019	INSINAS Telehealth, melibatkan: Universitas indonesia, Samsung, Solusi247, Kemkominfo	Kemenristekdikti
8	2010-2012	INSINAS Manajemen Transportasi, melibatkan: Fasilkom UI, Kepolisian	Kemenristekdikti

H. Kegiatan Penelitian

No.	Tahun	Judul Penelitian	Sumber Pendanaan	Peranan
1	2025	Continual Learning berbasis Deep Learning untuk klasifikasi Citra Medis Lintas Domain	PDD DRTPM DIKT	Peneliti Utama
2	2025	Multitask Learning for Transcription and Classification of Speech Disorder	Puti Q1 2025	Peneliti Anggota
3	2025	Time-Distributed Deep Learning Based for Myocardial Infarction Classification using Echocardiography to Improve Prognostic Outcomes	PUTI Hi-Impact 2025	Peneliti Utama
4	2025	Adaptasi Domain untuk Segmentasi Ventrikel Kiri pada Ekokardiografi: Studi Kasus Echonet-Dynamic dan Echonet-Pediatric untuk Penerapan di Indonesia	Hibah RIIM Kompetisi	Peneliti Anggota
5	2025	Integerasi Convolutional Neural Network dan Vision Transformer dengan Metode Undersampling untuk Pengenalan Ekspresi Wajah dalam Skenario Dunia Nyata	Hibah RIIM Kompetisi	Peneliti Utama
6	2023	U-Net Model Based on Optimized Encode-Decoder for Segmentation Echocardiography	Hibah Riset Internal Fakultas Ilmu Komputer	Peneliti Utama
7	2023	Oriented Object Detection in Satellite Imagery Using Convolutional Neural Network Based on Resnext	Hibah Riset Internal Fakultas Ilmu Komputer	Peneliti Utama

No.	Tahun	Judul Penelitian	Sumber Pendanaan	Peranan
8	2023	Wavelet Vision Transformer for Unseen Damage Assessment Through Autonomous Cross Domain Adaptation	PUTI Q1 2023	Peneliti Utama
9	2022	Pengembangan Sistem Pertahanan Udara Dari Serbuan Drone Menggunakan Koordinasi Drone Berkelompok Berbasis Kecerdasan Artifisial	PDKN	Peneliti Utama
10	2022	High-Level Data Fusion of RGB and Thermal Data for Robust Search and Rescue Application	PUTI Q2 2022	Peneliti Utama
11	2022	Asesmen Kerusakan Bangunan Akibat Bencana Gempa Bumi Menggunakan Residual Siamese Neural Network pada Data LiDAR	PUTI Q1 2022	Peneliti Utama
12	2021	Automatic Embryo Morphology Grading usign Generative Adversarial Network and Convolutional Neural Network based Algorithm to Increase The Success of In Vitro Fertilization (IVF) Program	Hibah Riset Kolaborasi Internasional WCU	Peneliti Utama
13	2021	Partial Network-based Deep Transfer Learning for Zero-Shot Multi-Speaker Text-to-Speech in Low Resource Languages	Pendampingan Publikasi Internasional Q1	Peneliti Utama
14	2020	Global Academic Program: Magister dan Doktoral	Peningkatan Reputasi Akademik UI	Peneliti Utama
15	2020	Visiting Professorship: Magister dan Doktoral	Peningkatan Reputasi Akademik UI	Peneliti Utama
16	2020	International Benchmarking: Magister dan Doktoral	Peningkatan Reputasi Akademik UI	Peneliti Utama
17	2020	Diaspora: Magister dan Doktoral	Peningkatan Reputasi Akademik UI	Peneliti Utama
18	2020	Intelligent System for Handling Multi Drone Attack based on Swarm Optimization Approach	Hibah Publikasi Terindeks Internasional Q1	Peneliti Utama
19	2020	Non-Euclidean Distance Representation in Deep Learning Algorithms for LiDAR Data Semantic Segmentation	Hibah Publikasi Terindeks Internasional Q2	Peneliti Utama
20	2020	Intelligent Hypoxia Detection on CTG Signal by Using Bispectrum Feature, Data Augmentation and Ensemble Learning	Hibah Publikasi Terindeks Internasional Q2	Peneliti Utama

No.	Tahun	Judul Penelitian	Sumber Pendanaan	Peranan
21	2020	Pedestrian Tracking using Geometric Deep Swarm Cuckoo for Self-Driving Car	Hibah Publikasi Terindeks Internasional Q3	Peneliti Utama
22	2020	Intelligent Surveillance System Under Various Condition Using Thermal Camera	Hibah Publikasi Terindeks Internasional Q3	Peneliti Utama
23	2020	Semantic Segmentation of Video Dataset Captured by UAV: Jakarta Flood Case Study	Hibah Publikasi Terindeks Internasional Saintekes	Peneliti Utama
24	2020	Segmentation and Approxation of Blood Volume in Traumatic Brain Injury Patients Based on Computerized Tomography Scan Images Using Convolutional Neural Network Algorithms	Hibah Publikasi Terindeks Internasional Saintekes	Peneliti Utama
25	2020	Development of Efficient Object Detection and Identification System with Unmanned Aerial Vehicles (UAVs) for Disaster Management\	Hibah Publikasi Terindeks Internasional Prosiding	Peneliti Utama
26	2020	Smart Integrated Tele-Health for Ensure Healthy Lives and Promote Well-Being For All at All Ages	Hibah Publikasi Terindeks Internasional Prosiding	Peneliti Utama
27	2020	Semantic Segmentation on Remotely-Sensed UAV Video Using Deep Learning	Hibah Publikasi Terindeks Internasional Prosiding	Peneliti Utama
28	2020	The Reliability of Routing Protocols as an Important Factor for Road Safety Applications in VANET-based Autonomous Cars	Hibah Publikasi Terindeks Internasional Doktor	Peneliti Utama
29	2020	Transfer Learning based on Local Data Structure and Weighting Approach	Hibah Publikasi Terindeks Internasional Doktor	Peneliti Utama
30	2020	Development of a Swarm of Autonomous Spraying Drones for Optimising Pesticide Usage by Considering the Severity of Plant Disease at Salak Plantation	Hibah Publikasi Terindeks Internasional Doktor	Peneliti Utama
31	2019	Pengembangan Sistem Cerdas untuk Observasi dalam Pelacakan Objek Visual, Autentikasi Identitas berbasis Sinyal EKG, dan Klasifikasi Semantik Tutupan Lahan Menggunakan Neural Network	Hibah Penugasan Publikasi Internasional Terindeks 9 (PIT 9)	Peneliti Utama
32	2019	Kerangka Kerja Pembelajaran Otomatis untuk Melakukan Autentikasi Berkelanjutan di Dalam	Hibah Penugasan Publikasi Artikel Di Jurnal Internasional Kuartil Q1Q2	Peneliti Utama

No.	Tahun	Judul Penelitian	Sumber Pendanaan	Peranan
		Mengenali Identitas Seseoran berbasi Sinyal EKG		
33	2019-2021	Pengembangan Integrated Smart Portable Telehealthc USG System untuk Meningkatkan Indeks Kesehatan Ibu dan Bayi di Indonesia	Konsorsium Riset Unggulan Perguruan Tinggi	Peneliti Utama
34	2019-2021	Swarm Drone Cerdas untuk Assesment dan Mitigasi Bencana Alam	Penelitian Pengembangan	Peneliti Utama
35	2018	Pengembangan Sistem Komunikasi, Navigasi, dan Pemetaan Pada Mobile Robot	Hibah Publikasi Internasional Terindeks untuk Tugas Akhir Mahasiswa	Peneliti Utama
36	2018	Sistem Kalibrasi, Pengenalan, dan Pelacakan Multi Objek menggunakan Dynamic Camera berbasis Bayesian Framework	Hibah Publikasi Internasional Terindeks untuk Tugas Akhir Mahasiswa	Peneliti Utama
37	2018	Sistem Telehealth untuk Pengenalan Identitas dan Deteksi Kesehatan Bayi berbasis Ensemble Feature Fusion dan Dekomposisi Sinyal	Hibah Publikasi Internasional Terindeks untuk Tugas Akhir Mahasiswa	Peneliti Utama
38	2018	Research Collaboration on Applied Intelligent Systems	World Class Professor	Peneliti Utama
39	2018-2019	Sistem Pengukuran Nilai Tanah dan Bangunan secara Otomatis berbasis Data LiDAR	Penelitian Terapan	Peneliti Utama
40	2017-2018	Pengembangan Swarm Mobile Robot Untuk Patroli Di Area Pabrik Industri Dan Sistem Pengenalan Bayi Dan Balita Menggunakan Sidik Jari Pada Proses Vaksinasi Di Indonesia	Penelitian Unggulan Perguruan Tinggi	Peneliti Utama
41	2017-2018	Pengembangan Swarm Mobile Robot Untuk Pemetaan dan Pemantauan Kondisi Tanaman Di Area Perkebunan dan Persawahan Untuk Meningkatkan Efisiensi Produksi Pertanian	Penelitian Tim Pasca	Peneliti Utama
42	2017	Implementasi dan Pengembangan Algoritma Pelacakan Kendaraan untuk Meningkatkan Pengawasan Kendaraan	Hibah Publikasi Internasional Terindeks untuk Tugas Akhir Mahasiswa	Peneliti Utama
43	2017	Sistem Pemantauan, Analisis, dan Prediksi Kualitas Udara (CO2)	Hibah Publikasi Internasional Terindeks untuk Tugas Akhir Mahasiswa	Peneliti Utama

No.	Tahun	Judul Penelitian	Sumber Pendanaan	Peranan
44	2017-2019	Sistem Telehealth Berbasis Big Data Biomedis Terintegrasi Secara Real Time Untuk Meningkatkan Pelayanan Kesehatan	INSINAS-IRPK	Peneliti Utama
45	2016	Pemanfaatan Ultrasonografi untuk Pemantauan Kondisi Janin	Hibah Publikasi Internasional Terindeks untuk Tugas Akhir Mahasiswa	Peneliti Utama
46	2016	Pengembangan Swarm Mobile Robot untuk Patroli Di Area Pabrik Industri Dan Sistem Pengenalan Bayi Dan Balita Menggunakan Sidik Jari Pada Proses Vaksinasi Di Indonesia	Hibah Publikasi Internasional Terindeks untuk Tugas Akhir Mahasiswa	Peneliti Utama
47	2016	Implementasi Algoritma Deteksi Detak Jantung pada FPGA	Hibah Publikasi Internasional Terindeks untuk Tugas Akhir Mahasiswa	Peneliti Utama
48	2016	Smart Security Camera Using Object Tracking and Scene Understanding.	Hibah Kompetensi Publikasi Internasional Terindeks - UI	Peneliti Utama
49	2016	Intelligent Traffic System for Sustainable Environment	Penelitian Unggulan Perguruan Tinggi	Peneliti Utama
50	2016	Sistem Pemantauan Konsentrasi CO2 Menggunakan Wireless Sensor Network Sebagai Langkah Strategis Dalam Menghadapi Isu Perubahan Iklim	Penelitian Unggulan Perguruan Tinggi	Peneliti Utama
51	2016	Pengembangan Swarm Mobile Robot Untuk Patroli Di Area Pabrik Industri Dan Sistem Pengenalan Bayi Dan Balita Menggunakan Sidik Jari Pada Janin	Penelitian Unggulan Perguruan Tinggi	Peneliti Utama
52	2016	Smart E-health System For Early Detection Of Heart Disease And Intrauterine Growth Retardation based on 12-Lead ECG and Portable USG device	Penelitian Unggulan Perguruan Tinggi	Peneliti Utama
53	2015	Intelligent Traffic System for Sustainable Environment	Penelitian Unggulan Perguruan Tinggi	Peneliti Utama
54	2015	Sistem Pemantauan Konsentrasi CO2 Menggunakan Wireless Sensor Network Sebagai Langkah Strategis Dalam Menghadapi Isu Perubahan Iklim	Penelitian Unggulan Perguruan Tinggi	Peneliti Utama

No.	Tahun	Judul Penelitian	Sumber Pendanaan	Peranan
55	2015	Swarm Robots Based On Semantically Supported Object-Context Recognition For Reconnaissance And Intelligence Gathering	Kerjasama Luar Negeri dan Publikasi Internasional	Peneliti Utama
56	2015	Smart E-health System For Early Detection Of Heart Disease And Intrauterine Growth Retardation based on 12-Lead ECG and Portable USG device	Penelitian Unggulan Perguruan Tinggi	Peneliti Utama
57	2015	Pelatihan Jurnal Internasional bidang Ilmu Komputer	Hibah Pelatihan Jurnal Internasional	Peneliti Utama
58	2015	Internasionalisasi Jurnal Ilmu Komputer dan Informasi	Hibah Internasionalisasi Jurnal Ilmiah dan Peningkatan Oplah	Peneliti Utama
59	2015	Computer Networks, Architecture & High Performance Computing	Hibah Infrastruktur Lab-DAMAS UI	Peneliti Utama
60	2015	Hibah Habibie Award	Habibie Center	Peneliti Utama
61	2014	Swarm Robots Based On Semantically Supported Object-Context Recognition For Reconnaissance and Intelligence Gathering	Hibah Penelitian Kompetitif Nasional dan Penelitian Desentralisasi	Peneliti Utama
62	2014	Development Of Integrated E-Health System For Early Detection Of Heart Disease And Intrauterine Growth Retardation Using Self Monitoring Device	Hibah Riset Kolaborasi Internasional	Peneliti Utama
63	2014	Big Data Analysis untuk Prediksi Keadaan Lalu Lintas	Internal UI	Peneliti Anggota
64	2014	Buku Teks Intelligent Traffic Information System	Hibah Penulisan Buku Nasional	Peneliti Utama
65	2014	Pengembangan Sistem Integrasi Zakat	Internal UI	Peneliti Utama
66	2014	Hibah Penyelenggaraan Konferensi Internasional ICACSIS 2014	Hibah Konf Internasional DIKTI	Peneliti Utama
67	2012-2013	Development of Smart Ultrasonography (USG) for Telehealth Monitoring	Insentif Riset SINas, Kemenristek	Peneliti Utama

No.	Tahun	Judul Penelitian	Sumber Pendanaan	Peranan
68	2012-2013	Autonomous Quadcopter Swarm Robots for Military Reconnaissance and Intelligence Gathering	Insentif Riset SINas, Kemenristek	Peneliti Utama
69	2012-2014	Real Time Advanced Traffic Information Gathering dengan menggunakan Intelligent Traffic System untuk Mengatasi Masalah Kepadatan Kendaraan di kota Besar	PENPRINAS MP3EI, Dikti	Peneliti Utama
70	2011	Autonomous Telecommunication Networks Coverage Area Expansion With Mobile Robot In Disaster Areas	Hibah Kerjasama Internasional	Peneliti Utama
71	2011	Pengembangan Prototype Berbasis Sistem Cerdas Untuk Akuisisi, Visualisasi, dan Analisa di Bidang Kesehatan; Studi Kasus: Konsentrasi Zat Trichloroethylene	Hibah Riset Multi Disiplin, Universitas Indonesia	Peneliti Utama
72	2011	Prototipe Pengaturan Lalu Lintas Adaptif Memanfaatkan Masukan Dari CCTV Berbasiskan Kecerdasan Komputasional	Riset Unggulan, Universitas Indonesia	Peneliti Utama
73	2010	Pengembangan Dan Uji Coba Prototipe Telehealth Pada Studi Kasus Kardiovaskuler Antara Rumah Sakit, Puskesmas, dan Homecare di Jabodetabek	Insentif Riset Terapan Program 2010, Kementrian Riset dan Teknologi	Peneliti Utama
74	2010	Development Of Sleep Awakening Timing Controller For Occupational Safety Based On Computational Intelligent Algorithm	Riset Hibah Kompetensi Universitas Indonesia	Peneliti Utama
75	2008	Pengaturan Lampu Lalu Lintas Di Jakarta Secara Terdistribusi Menggunakan SwarmSelf Organizing Map	Riset Unggulan Universitas Indonesia 2008	Peneliti Utama
76	2008-2009	Pengembangan Swarm Robot Untuk Mendeteksi Kebocoran Gas dan Mendeteksi Bom di Gedung/Pabrik di Indonesia	Program Insentif 2008–2009 dari Kementerian Negara Riset dan Teknologi NKRI	Peneliti Utama
77	2007-2009	Pengembangan Metode Kecerdasan Komputasional Untuk Peningkatan Kemampuan Sistem Penciuman Elektronika	Hibah Pasca Sarjana dari Direktorat Perguruan Tinggi, Kementerian Pendidikan Nasional NKRI, tahun 2007-2009	Anggota Peneliti

No.	Tahun	Judul Penelitian	Sumber Pendanaan	Peranan
78	2007-2008	Simulator Robot for Odor Source Localization in Dynamic Environment	Research Grant dari Indonesia Toray Science Foundation (ITSF)	Peneliti Utama
79	2006-2007	Distributed Odor Source Localization	Beasiswa Penelitian dari Nagoya University, Japan.	Peneliti Utama
80	2005-2006	Recent Advance Application of Odor-Sensing	Beasiswa Penelitian dari Hori Foundation, Aichi, Nagoya, Japan.	Peneliti Utama
81	2001-2002	Peningkatan Sistem Deteksi Gas Menggunakan 16 Sensor Kuarsa dan Fuzzy Learning Vector Quantization	Riset Unggulan Universitas Indonesia	Anggota Peneliti
82	1998-2000	Penentuan dan Pelacakan Sumber Odor Menggunakan Sensor Semikonduktor dalam Robotika Berbasis Komunikasi RF	Riset Unggulan Terpadu (RUT) VI dari Kementerian Negara Riset dan Teknologi NKRI	Anggota Peneliti
83	1996-1998	Sistem Deteksi Gas Dengan Menggunakan Sensor Kuarsa dan Jaringan Syaraf Tiruan	Riset Unggulan Terpadu (RUT) IV tahun 1996-1998 dari Kementerian Negara Riset dan Teknologi NKRI	Anggota Peneliti

I. Pengalaman Pengabdian Kepada Masyarakat

No	Tahun	Judul Hibah	Sumber Pendanaan
1	2017	Pengembangan Aplikasi Mobile Taman Baca untuk Meningkatkan Akuntabilitas dan Efektifitas Manajemen Donasi Buku	Pengmas UI
2	2015	Pelatihan Mobile Robot untuk siswa SMA/SMK se-Jabodetabek	Pengmas UI
3	2013	Sistem Informasi Zakat Online Solusi Efektif Pengelolaan Zakat Masjid Imam Bonjol Jakarta	Pengmas UI
4	2012	Sistem Informasi Zakat Online Solusi Efektif Pengelolaan Zakat Masjid Imam Bonjol Jakarta	Pengmas UI

J. Publikasi Buku

No	Nama-Nama Penulis	Judul Buku	Tahun	Penerbit	ISBN
1	Wisnu Jatmiko, Ario Yudo Husodo, dan Grafika Jati	Panduan Komprehensif Menggunakan ChatGPT	2024	Ganesha Kreasi Semesta	978-623-89509-8-0

No	Nama - Nama Penulis	Judul Buku	Tahun	Penerbit	ISBN
2	Wisnu Jatmiko, Grafika Jati, Riskyana Dewi Intan Puspitasari	Metodologi Penelitian dan Penulisan Artikel untuk Jurnal Internasional	2024	Eureka Media Aksara	978-623-120-493-6
3	Wisnu Jatmiko, Agus Buono, Ayu Purwarianti, Oslan Jumadi, Anom Bowolaksono, Arie Afriansyah, Anbar Jayadi, Hary Wahyudi	Bunga Rampai Penelitian di Indonesia	2018	UI Press	978-979-456-713-5
4	Wisnu Jatmiko, Machmud Roby Alhamidi, Sumarsih Condroayu Purbarani, Nurul Fazriah, Ardina Rizqy Rachmasari, Novian Habibie, Annisa Parastry, Khusnul Norma Fitriati	Proposal Hibah Riset: Dari Ide Hingga Didanai	2017	UI Press	978-979-456- 698-5
5	Wisnu Jatmiko, Ari Wibisono, Hanif Arief Wisesa, Qurrotin A'yunina, S.C. Purbarani, Nur Alfi Laili, M. Roby Alhamidi	Prosedur Penyelenggaraan Konferensi Internasional	2016	UI Press	978-979-456-639-8
6	Wisnu Jatmiko, Petrus Mursanto, Grafika Jati, Dwi Marhaendro Jati Purnomo, Machmud Roby Alhamidi, Novian Habibie, Kurniagusta Dwinto	RTOS (Real Time Operating System) Teori dan Aplikasi,	2015	UI Press	978-979-456-614-5
7	Wisnu Jatmiko, Harry Budi, Santoso, Sumarsih	Panduan Penulisan Artikel Ilmiah	2015	UI Press	978-979-456-615-2

No	Nama-Nama Penulis	Judul Buku	Tahun	Penerbit	ISBN
	Condroayu Purbarani, Arie Rachmad Syulistyo, Dian Firmansyah, Mohammad Yusuf, Qurrotin A`yunina M O A, Nur Alfi Laili				
8	Wisnu Jatmiko, Petrus Mursanto, Benny Hardjono, Ari Wibisono, Adi Nurhadiyatna, Ibnu Sina, Rachmad Akbar, Mira Suryani, M. Nanda Kurniawan	Integrated Traffic Intelligent System	2014	UI Press	978-979-456-584-1
9	Wisnu Jatmiko, Ari Wibisono, David Bayu Ananda, Abdul Haris, Big Zaman, M. Nanda Kurniawan, M. Anwar Ma`sum, Mira Suryani, Moh. Yusuf, Dian Firmansyah	Sistem Informasi Zakat	2014	UI Press	978-979-456-583-4
10	Wisnu Jatmiko, Petrus Mursanto, Anom Bowolaksono, Budi Wiweko, Bob Hardian, Muhammad Ali Akbar, I Putu Satwika, Zaki Immadudin, M. Sakti Alvissalim, Ikhsanul Habibie, Muhammad Nanda Kurniawan	Teknik Biomedis: Teori dan Aplikasi	2012	UI Press	978-979-1421-14-0

No	Nama - Nama Penulis	Judul Buku	Tahun	Penerbit	ISBN
11	Wisnu Jatmiko, Petrus Mursanto, M Iqbal Tawakal, M Sakti Alvissalim, Abdullah Hafidh, Enrico Budianto, M Nanda Kurniawan, Kharda Ahfa, Ken Danniswara, M Anwar Ma`sum, Indra Hermawan, Grafika Jati	Robotika: Teori dan Aplikasi	2012	UI Press	978-979-1421-13-3
12	Wisnu Jatmiko, Petrus Mursanto, Muhamad Fajar, M Iqbal Tawakal, Wahyu Trianggoro, Ruliantyo Syafaadillah Rambe, Fauzi, Arief Ramadhan	Implementasi Berbagai Algoritma Neural Network dan Wavelet pada FPGA	2011	UI Press	978-979-1421-102
13	Wisnu Jatmiko, Petrus Mursanto, Faris AL Afif, Big Zaman, M. Febrian Rachmadi, M. Anwar Ma`sum, Mohamad Sani, Adi Wibowo, Arief Ramadhan	Implementasi Embedded Systems menggunakan Beagleboard: Prototipe Sistem Pengaturan Lalu Lintas	2011	UI Press	978-979-1421-096
14	Wisnu Jatmiko, Andreas Febrian, Ferdian Jovan, Muhammad Eka Suryana, Muhammad Sakti Alvissalim, Asep Insani	Swarm Robot dalam Pencarian Sumber Asap	2010	UI Press	978-979-1421-08-9
15	Wisnu Jatmiko, Andreas Febrian, Ferdian Jovan, Salman Salsabila, Ferry	Robot Lego Mindstroms : Teori dan Praktek	2010	UI Press	978-979-1421-07-2

No	Nama‑Nama Penulis	Judul Buku	Tahun	Penerbit	ISBN
	Heriyandi, Ari Wibisono				

K. Perolehan HKI

No.	Judul/Tema HKI	Tahun	Jenis	Nomor P/ID
1	Panduan Komprehensif Menggunakan ChatGPT	2024	Hak Cipta	EC002024232585
2	Metodologi Penelitian dan Penulisan Artikel untuk Jurnal Internasional	2024	Hak Cipta	EC00202430488
3	Software Sistem Pengukuran Kepala Janin Otomatis dengan Citra Ultrasound Dua Dimensi Menggunakan Adaboost dan Fast Ellipse Fitting	2021	Hak Cipta	EC00202204103
4	Deteksi Banjir pada Video Tangkapan UAV dengan Segmentasi Semantik menggunakan Efficien Neural Network	2021	Hak Cipta	EC00202204106
5	EKG Portable untuk Pemantauan Pasien Jarak Jauh	2019	Paten sederhana	S00201911372
6	Sensor Node Untuk Pemantauan Kondisi Lingkungan	2017	Hak Cipta	EC00201986701
7	Implementasi Sistem Wireless Sensor Network Untuk Pemantauan Gas CO2, Temperatur, Kelembapan Udara, dan Intensitas Cahaya	2017	Hak Cipta	EC00201986701
8	Software Segmentasi Semantik Pada Data Point Cloud Menggunakan Deep Learning	2019	Hak Cipta	EC00201986675
9	Software Identifikasi Bangunan Pada Data Lidar Menggunakan Pengolahan Citra	2019	Hak Cipta	EC00201986668
10	Sistem Informasi Zakat: Pemberdayaan Potensi Masyarakat dengan Teknologi	2015	Hak Cipta	C00201501343

No.	Judul/Tema HKI	Tahun	Jenis	Nomor P/ID
11	Prog. Komputer/Kompresi EKG 12 Lead	2015	Hak Cipta	C00201501339
12	Prog. Komputer/Terrain: Sistem Telehealth Pertumbuhan Janin	2014	Hak Cipta	C00201401301
13	Prog. Komputer/Simulator Robot Pencari Sumber Asap	2014	Hak Cipta	C00201401300
14	Prog. Komputer/Prototype Sistem Pengaturan Lampu Lalu Lintas Terdistribusi Menggunakan Sensor Kamera dan Data Real-Time	2014	Hak Cipta	C00201401299
15	Prog. Komputer/E-Cardio: Sistem Terintegrasi Pendeteksian Dini dan Monitoring Penyakit Jantung	2014	Hak Cipta	C00201401298

L. Artikel Jurnal Internasional

No.	Tahun	Judul Artikel Ilmiah	Nama Jurnal	Volume/ Nomor/Tahun
1	2024	Time-Distributed Vision Transformer Stacked With Transformer for Heart Failure Detection Based on Echocardiography Video	IEEE Access (IF: 3.4)	Volume 12, 4 December 2024, Pages 2169-3536
2	2024	Stroke Prognostication in Patients Treated with Thrombolysis Using Random Forest	The Open Neuroimaging Journal (SJR: 0.118)	Volume 17, 6 June 2024
3	2024	Denoising Ambulatory Electrocardiogram Signal Using Interval Dedependent Thresholds based Stationary Wavelet Transform	JOIV : International Journal on Informatics Visualization (SJR: 0.21)	Volume 8, Issue 2, 31 May 2024, Pages 742-750
4	2024	Oriented object detection in satellite images using convolutional neural network based on ResNeXt	ETRI Journal (SJR: 0.472)	Volume 46, Issue 2, April 2024, Pages 307-322
5	2024	Building Damage Assessment Using Feature Concatenated Siamese Neural Network	IEEE Access (IF: 3.4)	Volume 12, 1 February 2024, Pages 2169-3536
6	2023	Expansion Grade and Morphokinetic Parameters	Indonesian Journal of Obstetrics and	Volume 11, Issue 4, 4 October 2023

No.	Tahun	Judul Artikel Ilmiah	Nama Jurnal	Volume/ Nomor/Tahun
		Associated with Aneuploidy Status of Embryo Fifth Day	Gynecology (SJR: 0.1)	
7	2023	Assessor-guided learning for continual environments	Information Sciences (SJR: 2.238)	Volume 640, September 2023
8	2023	CANONICAL SEGMENTATION FOR JAVANESE-INDONESIAN NEURAL MACHINE TRANSLATION	Journal of Engineering Science and Technology (SJR: 0.206)	Volume 18, August 2023, Pages 62-68
9	2023	Change detection of high-resolution remote sensing images through adaptive focal modulation on hierarchical feature maps	IEEE Access (IF: 3.4)	Volume 11, 5 July 2023, Pages 2169-3536
10	2023	ADAPTIVE ELECTROSTATIC FORCE ALGORITHM FOR MULTIPLE INVADER DRONES'ATTACKING MANEUVER	International Journal of Innovative Computing, Information and Control (SJR: 0.473)	Volume 19, Number 2, April 2023, Pages 607–621
11	2023	OPTIMIZATION OF DEFENDER DRONE SWARM BATTLE MANEUVER FOR GAINING AIR SUPERIORITY BY COMBINING ARTIFICIAL AND HUMAN INTELLIGENCE THROUGH HAND GESTURE CONTROL SYSTEM	International Journal of Innovative Computing, Information and Control (SJR: 0.473)	Volume 19, Number 2, April 2023, Pages 623–636
12	2023	A Feature-based Transfer Learning to Improve the Image Classification with Support Vector Machine	International Journal of Advanced Computer Science and Applications (SJR: 0.278)	Volume 14, Issue 6, 2023
13	2022	Detecting Left Heart Failure in Echocardiography through Machine Learning: A Systematic Review	IMR Press	Volume 23, Issue 12, 12 December 2022
14	2022	Individual Characteristics, Adherence, and Barriers to Medication Adherence of Hypertensive Patients at the Indonesia – Timor Leste Border	Nurse Media Journal of Nursing (SJR: 0.224)	Volume 12, Issue 3, December 2022, Pages 353-366

No.	Tahun	Judul Artikel Ilmiah	Nama Jurnal	Volume/ Nomor/Tahun
15	2022	Generating Multi-Codebook Neural Network by Using Intelligent Gaussian Mixture Model Clustering Based on Histogram Information for Multi-Modal Data Classification	IEEE Access (IF: 3.4)	Volume 12, 10 October 2022, Pages 2169-3536
16	2022	Flood video segmentation on remotely sensed UAV using improved Efficient Neural Network	ICT Express (SJR: 1.133)	Volume 8, Issue 3, September 2022, Pages 347-351
17	2022	Learning Intelligent for Effective Sonography (LIFES) Model for Rapid Diagnosis of Heart Failure in Echocardiography	Acta medica Indonesiana (SJR: 0.256)	Volume 54, Issue 3, 2022
18	2022	STUDY AND INVESTIGATE THE CUCKOO OPTIMIZATION TO IMPROVE THE PARTICLE FILTER AS A BASIC TRANSITION MODEL ON SCALE VARIATION AND OCCLUSION OBJECT TRACKING	Journal of Engineering Science and Technology (SJR: 0.206)	Volume 17, Issue 3, 2022, Pages 1734-1747
19	2022	Generative adversarial networks for unbalanced fetal heart rate signal classification	ICT Express (SJR: 1.133)	Volume 8, Issue 2, June 2022, Pages 239-243
20	2022	Transfer learning, style control, and speaker reconstruction loss for zero-shot multilingual multi-speaker text-to-speech on low-resource languages	IEEE Access (IF: 3.4)	Volume 10, January 2022, Pages 5895-5911
21	2022	Transformer-based Cross-Lingual Summarization using Multilingual Word Embeddings for English-Bahasa Indonesia	International Journal of Advanced Computer Science and Applications (SJR: 0.278)	Volume 13, Issue 12, 2022
22	2021	Low-Cost Camera-Based Smart Surveillance System for Detecting, Recognizing, and Tracking Masked Human Face	International Journal of Interactive Mobile Technologies (iJIM) (SJR: 0.32)	Volume 15, Issue 23, December 2021
23	2021	Distance sensor with a tunable aperture actuated by thermal expansion of silicon chevron beams	Journal of Micromechanics and Microengineering (SJR: 0.476)	Volume 31, Issue 6, 2021, Page 065006

No.	Tahun	Judul Artikel Ilmiah	Nama Jurnal	Volume/ Nomor/Tahun
24	2021	A New Indonesian Traffic Obstacle Dataset and Performance Evaluation of YOLOv4 for ADAS	Journal of ICT Research and Applications (SJR: 0.15)	Volumer 14, Issue 3, 2021, Pages 286-298
25	2021	Development of adaptive fuzzy-neuro generalized learning-vector quantization using PI membership function (AFNGLVQ-PI)	IEEE Access (IF: 3.4)	Volume 9, February 2021, Pages 47452-47480
26	2021	Intelligent Surveillance System Under Various Condition Using Thermal Camera	Enterprise Information System (IF: 4.35)	To Be Submitted
27	2021	Study And Investigate The Cuckoo Optimization To Improve The Particle Filter As A Basic Transition Model On Scale Variation And Occlusion Object Tracking	JESTEC (SJR: 0.22)	Article In Press
28	2021	N. Hamid, M. Anwar Ma'sum, ... W. Jatmiko, "Enhanced DGCNN with mahalanobis distance for outdoor LiDAR segmentation"	Computational Visual Media (SJR: 0.61)	Under Review
29	2021	Machmud R. Alhamidi, A. Bowolaksono, ..., W. Jatmiko, "Automatic Embryo Morphology Grading using Convolution Neural Network and Generative Adversarial Network as Data Augmentation"	Computers in Biology and Medicine (IF: 4.589)	To Be Submitted
30	2021	M. Anwar. Ma'sum, ... W. Jatmiko, "BlastomereNet: A Low-Sized Convolutional Neural Network for Comprehensive Automated Embryo Grading in Blastomere Phase"	IEEE Access (IF: 3.367)	To Be Submitted
31	2021	A. Bowolaksono, Dewa M. S. Arsa, ... W. Jatmiko, "Automated Human Embryonic Grading System to Determine Cell Number, Fragmentation Rate, and Cell Symmetrical in Embryo's Early Stage using Bag of Feature and Classical Machine Learning"	ICT Express (IF: 4.317)	To Be Submitted
32	2021	Naili S. Inthizami, M. Anwar Ma'sum, Machmud R. Alhamidi, ... W. Jatmiko. "Flood Video	ICT Express (IF: 4.317)	Under Review

No.	Tahun	Judul Artikel Ilmiah	Nama Jurnal	Volume/ Nomor/Tahun
		Segmentation on Remotely Sensed UAV Using Improved Efficient Neural Network"		
33	2021	Hong, C.H., Kim, H.C., Jatmiko, W., ...Chun, K., Park, B.-G. "Distance sensor with a tunable aperture actuated by thermal expansion of silicon chevron beams"	Journal of Micromerchanics and Microengineering (IF: 1.881)	Volume 31 / Issue 6 / 2021
34	2021	Puspitasari, R.D.I., Ma'sum, M.A., Alhamidi, M.R., Kurnianingsih,, Jatmiko, W. "Generative adversarial networks for unbalanced fetal heart rate signal classification"	ICT Express (IF: 4.317)	2021
35	2021	Mulyanto, A., Jatmiko, W., Mursanto, P., Prasetyawan, P., Borman, R.I. "A new indonesian traffic obstacle dataset and performance evaluation of yolov4 for adas"	Journal of ICT Research and Application (SJR: 0.15)	Volume 14/ Issue 3/ 2021
36	2021	Adaptive Fuzzy-Neuro Generalized Learning-Vector Quantization Using PI Membership Function (AFNGLVQ-PI)"	IEEE Access (IF: 3.367)	Volume 9/2021
37	2020	Gamal, A., Wibisono, A., Wicaksono, S.B., ...Jatmiko, W., Ardhianto, R. "Automatic LIDAR building segmentation based on DGCNN and euclidean clustering"	Journal of Big Data (IF: 2.51)	Volume 7, August 2020
38	2020	Wibisono, A., Wisesa, H. A., Rahmadhani, Z. P., Fahira, P. K., Mursanto, P., & Jatmiko, W. "Traditional food knowledge of Indonesia: a new high-quality food dataset and automatic recognition system"	Journal of Big Data (IF: 2.51)	Volume 7, August 2020
39	2020	Sasongko, A. T., Jati, G., Fanany, M. I., & Jatmiko, W. "Dataset of vehicle images for Indonesia toll road tariff classification"	Data in Brief (SJR: 0.12)	Volume 32, October 2020
40	2020	K Azizah, M Adriani, W Jatmiko. "Hierarchical Transfer Learning for Multilingual, Multi-Speaker, and Style Transfer DNN-Based	IEEE Access (IF: 3.367)	Volume 8, September 2020

No.	Tahun	Judul Artikel Ilmiah	Nama Jurnal	Volume/ Nomor/Tahun
		TTS on Low-Resource Languages"		
41	2020	Wibisono, A., Wisesa, H. A., Habibie, N., Arshad, A., Murdha, A., Jatmiko, W., ... & Aminah, S. (2020). Dataset of short-term prediction of CO2 concentration based on a wireless sensor network	Data in Brief (SJR: 0.12)	Volume 31, August 2020
42	2020	Ma'sum, M.A., Sanabila, H.R., Mursanto, P., Jatmiko, W. "Clustering versus incremental learning multi-codebook fuzzy neural network for multi-modal data classification"	MDPI Computation (SJR: 0.32)	Volume 8, Issue 1, January 2020, Pages 6
43	2020	Husodo, A.Y., Jati, G., Octavian, A., Jatmiko, W. "Switching target communication strategy for optimizing multiple pursuer drones performance in immobilizing Kamikaze multiple evader drones"	ICT Express (IF: 4.317)	Volume 6 / Issue 2 / 2020
44	2020	Husodo, A.Y., Jati, G., Octavian, A., Jatmiko, W. "Enhanced Social Spider Optimization Algorithm for Increasing Performance of Multiple Pursuer Drones in Neutralizing Attacks from Multiple Evader Drones"	IEEE Access (IF: 3.367)	Volume 8, January 2020, Pages 22145-22161
45	2020	Sasongko, A.T.,Jati, G.,Hardian, B.Jatmiko, W. "The reliability of routing protocols as an important factor for road safety applications in VANET-based autonomous cars"	Journal of Computer Science (SJR: 0.16)	Volume 16(6), 2020, pp. 768-783
46	2020	Alhamidi, M.R., Jatmiko, W. "Optimal feature aggregation and combination for twodimensional ensemble feature selection"	MDPI Information (SJR: 0.35)	Volume 11, Issue 1, January 2020, Pages 38
47	2020	Sumarsih C Purbarani, Hadaiq R Sanabila, Ari Wibisono, Noverina Alfiany, Hanif A Wisesa, Wisnu Jatmiko. "Distance-to-mean continuous conditional random fields: Case study in traffic congestion"	MDPI Information (SJR: 0.35)	Volume 10, Issue 12, December 2019, Pages 382

No.	Tahun	Judul Artikel Ilmiah	Nama Jurnal	Volume/ Nomor/Tahun
48	2019	Adi Wibowo, Dwi Setianto, W Panji Wisnu, Wisnu Jatmiko. "Optimization of backpropagation using nguyen-widrow and stimulus-sampling for breast cancer classification and feature selection"	Journal of Engineering Science and Technology (IF: 4.36)	Volume 14, Issue 6, January 2019, Pages 34373456
49	2019	Jati, G., Gunawan, A.A.S., Jatmiko, W. "Dynamic swarm particle for fast motion vehicle tracking"	ETRI Journal (IF: 1.347)	Volume, 17 Sep 2019 Pages 1225-6463 2019
50	2019	Wisnu Jatmiko, M. Anwar Ma'sum, Hanif Arief Wisesa, Hadaiq Rolis Sanabila, "Developing Smart TeleECG System for Early Detection and Monitoring Heart Diseases Based on ECG Signal: Progress and Challenges"	International Journal on Smart Sensing and Intelligent Systems (SJR: 0.17)	Volume 12, Issue 1, April 2019
51	2017	Eddin, E.N., Wiweko, B., Jatmiko, W., Bowolaksono, A. "Building business process on tele-ultrasonography: An international collaboration of medical technology development"	Advanced Science Letters	Volume 23, Issue 7, July 2017, Pages 6861-6865
52	2016	Diana, N.E., Kalsum, U., Sabiq, A, Jatmiko, W., Mursanto, P. "Comparing windowing methods on Finite Impulse Response (FIR) filter algorithm in Electroencephalography (EEG) data processing"	Journal of Theoretical and Applied Information Technology (SJR: 0.15)	Volume 88, Issue 3, 30 June 2016, Pages 558-567 2016
53	2016	Rangkuti, R.P., Dewanto, V., Aprinaldi, Jatmiko, W. "Utilizing Google images for training classifiers in CRF-based semantic segmentation"	Journal of Advanced Computational Intelligence and Intelligent Informatics (SJR: 0.17)	Volume 20, Issue 3, Pages 455-461, 2016
54	2016	Arie Rachmad Syulistyo, Aprinaldi, Anom Bowolaksono, Budi Wiweko, Andrea Prati, Dwi M. J. Purnomo, and Wisnu Jatmiko "Ellipse Detection On Embryo Imaging USing Random Sample Consesus (RANSAC) Method Based On ARC Segment"	International Journal on Smart Sensing and Intelligent Systems (SJR: 0.17)	Vol. 9, No. 3, September 2016

No.	Tahun	Judul Artikel Ilmiah	Nama Jurnal	Volume/ Nomor/Tahun
55	2016	W. Jatmiko, F. Jovan, R.Y.S. Dhiemas, M.S. Alvissalim, A. Febrian, D. Widiyanto, D.M.J.Purnomo, H.A. Wisesa, T. Fukuda, K. Sekiyama "PSO Algorithm For Single And Multiple ODOR Sources Localization Problems: Progress And Challenge"	International Journal on Smart Sensing and Intelligent Systems (SJR: 0.17)	Vol. 9, No. 3, September 2016
56	2016	D. Widiyanto, D. M. J. Purnomo, G. Jati, A. J. Mantau, W. Jatmiko "Modification of Particle Swarm Optimization by Reforming Global Best Term to Accelerate the Searching of Odor Sources"	International Journal on Smart Sensing and Intelligent Systems (SJR: 0.17)	Vol. 9, No. 3, September 2016
57	2016	Aprinaldi Jasa Mantau, Anom Bowolaksono, Budi Wiweko, and Wisnu Jatmiko "Detecting Ellipses in Embryo Images Using Arc Detection Method with Particle Swarm for Blastomere Quality Measurement System"	Journal of Advanced Computational Intelligence and Intelligent Informatics (SJR: 0.17)	JACIII Vol.20 No.7 Pp. 1170-1180 Doi: 10.20965/Jaciii.2016.P1 170 (2016)
58	2016	Ari Wibisono, Wisnu Jatmiko, Hanief Arief Wisesa, Benny Hardjono, and Petrus Mursanto "Traffic big data prediction and visualization using Fast Incremental Model Trees-Drift Detection (FIMT-DD)"	Knowledge-Based Systems – Elsivier. (IF: 8.038)	Volume 93, 1 February 2016, Pages 33–46
59	2015	Vektor Dewanto, Aprinaldi, Zulfikar Ian, Wisnu Jatmiko, A Novel Knowledge-Compatibility Benchmarker for Semantic Segmentation	International Journal on Smart Sensing and Intelligent Systems (SJR: 0.17)	Vol. 8, No. 2, Pp. 12851312, June 2015
60	2015	Alexander A S Gunawan, Wisnu Jatmiko, Geometric Deep Particle Filter For Motorcycle Tracking: Development of Intelligent Traffic System in Jakarta	International Journal on Smart Sensing and Intelligent Systems (SJR: 0.17)	Vol. 8, No. 1, Pp. 429-463, Mar. 2015
61	2015	Wisnu Jatmiko, Ikhsanul Habibie, M. Anwar Ma'sum, Robeth Rahmatullah, and I Putu Satwika, Automated Telehealth System for Fetal Growth Detection and Approximation of Ultrasound Images	International Journal on Smart Sensing and Intelligent Systems (SJR: 0.17)	Vol. 8, No. 1, Pp. 697-719, Mar. 2015

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62	2015	M. Anwar Ma'sum, Wisnu Jatmiko, Budi Wiweko, and Anom Bowolaksono, Automatic Fetal Organs Detection and Approximation in Ultrasound Image	International Journal on Smart Sensing and Intelligent Systems (SJR: 0.17)	Vol. 8, No. 1, Pp. 720-748, Mar. 2015
63	2014	Alexander A S Gunawan, Mohamad Ivan Fanany, and Wisnu Jatmiko, Deep extreme tracker based on bootstrap particle filter	International Journal on Smart Sensing and Intelligent Systems (SJR: 0.17)	Vol. 66, No. 3, Pp. 857-863, Aug. 2014
64	2013	B. Hardjono, A. Wibisono, A. Nurhadiyatna, I.Sina and W. Jatmiko Virtual Detection in Zone Smartphone with CCTV and Twitter as Part of Integrated ITS	International Journal on Smart Sensing and Intelligent Systems (SJR: 0.17)	Issue 5, Volume 6, 2013
65	2013	Elly Matul Imah, W. Jatmiko, and T. Basaruddin, Electrocardiogram for Biometrics by Using Adaptive Multilayer Generalized Learning Vector Quantization (AMGLVQ): Integrating Feature Extraction and Classification	International Journal on Smart Sensing and Intelligent Systems (SJR: 0.17)	Issue 5, Volume 6, 2013
66	2013	Sani Muhamad Isa, M. EkaSuryana, M. Ali Akbar, Ary Noviyanto, W. Jatmiko and Aniati Murni Arymurthy, Performance Analysis of ECG Signal Compression Using SPIHT	International Journal on Smart Sensing and Intelligent Systems (SJR: 0.17)	Issue 5, Volume 6, 2013
67	2012	Jatmiko, W., Wibowo, A., Abdurrahman, S.K., Herry, A.A., Krisnadhi, A.A., Fukuda, T. and Sekiyama, K., "Self-Organizing Control of Urban Traffic Signal Based on Multiway Intersection OffsetSetting Model"	WSEAS Transactions on Circuits and Systems	Issue 1, Volume 7, 2012
68	2011	Jatmiko, W., Nulad, W.P., Elly, M.I., Setiawan, I.M.A. and Mursanto, P., "Heart beat classification using wavelet feature based on neural network"	WSEAS Transactions on Systems	Issue 1, Volume 10, 2011

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69	2011	Jatmiko, W., Jovan, F., Dhiemas, R.Y.S., Sakti, A.M., Ivan, F.M., Fukuda, T. and Sekiyama, K.,"Robots implementation for odor source localization using PSO algorithm."	WSEAS Transactions on Circuits and Systems	Issue 4, Volume 10, 2011
70	2010	Jatmiko, W., Pambuko, W., Febrian, A., Mursanto, P., Muis, A., Kusumoputro, B., Sekiyama, K. and Fukuda, T., "Ranged Subgroup Particle Swarm Optimization for Localizing Multiple Odor Sources."	International Journal on Smart Sensing and Intelligent Systems (SJR: 0.17)	Vol. 3, No. 3, 2010
71	2010	Jatmiko, W., Azurat, A., Wibowo, A., Marihot, H., Wicaksana, M., Takagawa, I., Sekiyama, K. and Fukuda, T., "Self-Organizing Urban Traffic Control Architecture with Swarm-Self Organizing Map in Jakarta: Signal Control System and Simulator."	International Journal on Smart Sensing and Intelligent Systems (SJR: 0.17)	Vol. 3, No. 3, 2010
72	2009	Wisnu Jatmiko, Rochmatullah, B. Kusumoputro, "Fuzzy Learning Vector Quantization Based on Particle Swarm Optimization For Artificial Odor Discrimination System"	WSEAS Transaction on Systems	Vol. 8, No. 12, Pp. 12391252, Dec. 2009.
73	2009	Wisnu Jatmiko, A. Nugraha, R. Effendi, W. Pambuko, R. Mardian, K. Sekiyama, and T. Fukuda, "Localizing Multiple Odor Sources in a Dynamic Environment Based on Modified Niche Particle Swarm Optimization with Flow of Wind"	WSEAS Transaction on Systems	Vol. 8, No. 11, Pp. 11871196, Nov. 2009.
74	2008	Wisnu Jatmiko, Petrus Mursanto, Benyamin Kusumoputro, K. Sekiyama, and T. Fukuda, "Modified PSO Algorithm Based on Flow of Wind for Odor Source	WSEAS Transaction on Systems	Vol. 1, No. 2, Pp. 106-113, Feb. 2008.

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		Localization Problems in Dynamic Environments"		
75	2007	Wisnu Jatmiko, K. Sekiyama, and T. Fukuda, "A PSO-based Mobile Robot for Odor Source Localization in Extreme Dynamic Advection- Diffusion Environment with Obstacle: Theory, Simulation and Measurement"	IEEE Computational Intelligence Magazine (IF: 11.356)	Vol. 2, No. 2, Pp. 37-51, 2007.
76	2006	Wisnu Jatmiko, K. Sekiyama, and "Modified Particle Swarm Robotic for Odor Source Localization in Dynamic Environment"	International Journal of Intelligent Control and Systems: Special Issue on Swarm Robotic,	Vol. 11, No. 3, Pp. 176184, 2006.
77	2006	Wisnu Jatmiko, T. Fukuda, F. Arai, and B. Kusumoputro , "Artificial Odor Discrimination System Using Multiple Quartz Resonator Sensor and Various Neural Networks for Recognizing Fragrance Mixtures"	IEEE Sensors Journal (IF: 3.301)	Vol. 6, No. 1, Pp. 223-233, 2006.
78	2005	Wisnu Jatmiko, T. Fukuda, T. Matsuno, F. Arai, and B. Kusumoputro, "Robotic Applications for Odor-Sensing Technology: Progress and Challenge"	WSEAS Transaction on System	Vol. 4, No. 7, Pp. 11341141, 2005.
79	2002	B. Kusumoputro, H. Budiarto, and Wisnu Jatmiko, "Fuzzy-neuro LVQ and its comparison with fuzzy algorithm LVQ in artificial odor discrimination system"	ISA Trans. Sci. Eng. Meas. Autom, Elsevier (IF: 5.468)	Vol. 41, No. 4, Pp. 395407, 2002.

M. Makalah Prosiding Pertemuan Ilmiah Internasional

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
1	AIP Conference Proceedings	Automatic morphological human embryo assessment using convolutional neural network and resampling technique	Yogyakarta, Indonesia, 2023
2	2023 International Conference on Computer Science, Information Technology	White Matter Hyperintensities Segmentation Using Probabilistic TransUNet	Jakarta, Indonesia, 2023

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
	and Engineering (ICCoSITE)		
3	2022 7th International Workshop on Big Data and Information Security (IWBIS)	Hierarchical Vision Transformers for Cardiac Ejection Fraction Estimation	Depok, Indonesia, 2022
4	2022 7th International Workshop on Big Data and Information Security (IWBIS)	Modified MultiResUNet for Left Ventricle Segmentation from Echocardiographic Images	Depok, Indonesia, 2022
5	2022 7th International Workshop on Big Data and Information Security (IWBIS)	Large-scale 3D Point Cloud Semantic Segmentation with 3D U-Net ASPP Sparse CNN	Depok, Indonesia, 2022
6	2022 7th International Workshop on Big Data and Information Security (IWBIS)	Change detection from areal imagery drones using Siamese U-Net with spatial attention module	Depok, Indonesia, 2022
7	2021 6th International Workshop on Big Data and Information Security (IWBIS)	A Modest System of Feature-based Stereo Visual Odometry	Depok, Indonesia, 2021
8	2021 6th International Workshop on Big Data and Information Security (IWBIS)	Canonical segmentation using affix characters as a unit on transformer for javanese language	Depok, Indonesia, 2021
9	2021 6th International Workshop on Big Data and Information Security (IWBIS)	FaceNet with RetinaFace to Identify Masked Face	Depok, Indonesia, 2021
10	2021 6th International Workshop on Big Data and Information Security (IWBIS)	Yolov4 rgbt human detection on unmanned aerial vehicle perspective	Depok, Indonesia, 2021
11	2021 6th International Workshop on Big Data and Information Security (IWBIS)	Variational Contrastive Log Ratio Upper Bound of Mutual Information for Training Generative Models	Depok, Indonesia, 2021
12	2021 6th International Workshop on Big Data and Information Security (IWBIS)	Collapsed Building Detection Using Residual Siamese Neural Network On LiDAR Data	Depok, Indonesia, 2021
13	2021 6th International Workshop on Big Data and Information Security (IWBIS)	Cross-Lingual Summarization: English-Bahasa Indonesia	Depok, Indonesia, 2021

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
14	2021 International Conference on Advanced Computer Science and Information Systems (ICACSIS)	Outdoor LiDAR Point Cloud Building Segmentation: Progress and Challenge	Depok, Indonesia, 2021
15	ISRITI 2020	Indonesian Traffic Sign Recognition For Advanced Driver Assistent (ADAS) Using YOLOv4	Indonesia, 2020
16	IEEE R10-HTC	Developing Smart COVID-19 Social Distancing Surveillance Drone using YOLO Implemented in Robot Operating System simulation environment	Kuching, Malaysia, 2020
17	IWBIS 2020	Designing intelligent coastal surveillance based on big maritime data	Depok, Indonesia, 2020
18	IWBIS 2020	Prediction of Protein Tertiary Structure Using Pre-Trained Self-Supervised Learning Based on Transformer	Depok, Indonesia, 2020
19	IWBIS 2020	Fast Ellipse Fitting Implementation on USG Mobile Telehealth Application	Depok, Indonesia, 2020
20	IWBIS 2020	Improved Logistic-Sine Chaotic Map based S-box and Bit-Plane Scrambling Encryption Schemes Performance on Compressed ECG Data	Depok, Indonesia, 2020
21	IWBIS 2020	Segmentation and Approximation of Blood Volume in Intracranial Hemorrhage Patients Based on Computed Tomography Scan Images Using Deep Learning Method	Depok, Indonesia, 2020
22	2020 IEEE Region 10 Symposium (TENSYMP)	Kinematics and Simulation Model of Autonomous Indonesian "Becak" Robot	Bangladesh, 57 June 2020
23	2020 IEEE Region 10 Symposium (TENSYMP)	Adaptive Update in Deep Learning Algorithms for LiDAR Data Semantic Segmentation	Bangladesh, 57 June 2020
24	2019 Asia-Pacific Conference on Intelligence Robot Systems	Kinematics and Dynamics Analysis of an Autonomous Three-wheeled Bicycle Modeling	Nagoya, Japan, 13 - 15 July 2019

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
25	2019 Asia-Pacific Conference on Intelligence Robot Systems	3D Edge Convolution in Deep Neural Network Implementation for Land Cover Semantic Segmentation of Airborne LiDAR Data	Nagoya, Japan, 13 - 15 July 2019
26	2019 International Seminar on Research of Information Technology and Intelligent Systems (ISRITI)	Investigation Reinforcement Learning Method for R-Wave Detection on Electrocardiogram Signal	Yogyakarta; Indonesia; December 56,2019
27	2019 3rd International Conference on Informatics and Computational Sciences (ICICoS)	Real-Time Human Detection and Tracking Using Two Sequential Frames for Advanced Driver Assistance System	Semarang; Indonesia; October 29-30, 2019
28	2019 International Workshop on Big Data and Information Security (IWBIS)	Improving Deep Learning Classifier for Fetus Hypoxia Detection in Cardiotocography Signal	Bali; Indonesia; October 11 2019
29	2019 International Workshop on Big Data and Information Security (IWBIS)	Ensemble learning versus deep learning for Hypoxia detection in CTG signal	Bali; Indonesia; October 11, 2019
30	2019 International Workshop on Big Data and Information Security (IWBIS)	Temporal feature and heuristics-based Noise Detection over Classical Machine Learning for ECG Signal Quality Assessment	Bali; Indonesia; October 11, 2019
31	2019 International Workshop on Big Data and Information Security (IWBIS)	Semantic Segmentation on LiDAR Point Cloud in Urban Area using Deep Learning	Bali; Indonesia; October 11, 2019
32	2019 IEEE International Conference on Cybernetics and Computational Intelligence (CyberneticsCom)	UAV Path Planning for Autonomous Spraying Task at Salak Plantation based on the Severity of Plant Disease	Banda Aceh; Indonesia; Agustus 22-24,2019
33	2019 IEEE International Conference on Communication, Networks and Satellite (Comnetsat)	Intruder Drone Localization Based on 2D Image and Area Expansion Principle for Supporting Military Defence System	Makasar; Indonesia; Agustus 1-3, 2019

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
34	2019 IEEE International Conference on Communication, Networks and Satellite (Comnetsat)	Semantic Segmentation of Lidar Point Cloud in Rural Area	Makasar; Indonesia; Agustus 1-3, 2019
35	2019 IEEE International Conference on Communication, Networks and Satellite (Comnetsat)	Warfare Simulation: Predicting Battleship Winner Using Random Forest	Makasar; Indonesia; Agustus 1-3, 2019
36	2019 IEEE International Conference on Signals and Systems (ICSigSys)	Particle Swarm Optimization based Nonlocal Means for Denoising ECG Signal	Bandung; Indonesia; Juli 16,2019
37	2019 4th Asia-Pacific Conference on Intelligent Robot Systems (ACIRS)	Adaptive Multi-Strategy Observation of Kernelized Correlation Filter for Visual Object Tracking	Nagoya; Japan; July 13, 2019
38	2019 4th Asia-Pacific Conference on Intelligent Robot Systems (ACIRS)	Multi-codebook Fuzzy Neural Network Using Incremental Learning for Multimodal Data Classification	Nagoya; Japan; July 13, 2019
39	2019 4th Asia-Pacific Conference on Intelligent Robot Systems (ACIRS)	The Use of Direction Matrix to Determine Autonomous Quad-Copter Drone Path when Facing Obstacle	Nagoya; Japan; July 13, 2019
40	2019 4th Asia-Pacific Conference on Intelligent Robot Systems (ACIRS)	3D Edge Convolution in Deep Neural Network Implementation for Land Cover Semantic Segmentation of Airborne LiDAR Data	Nagoya; Japan; July 13, 2019
41	2019 4th Asia-Pacific Conference on Intelligent Robot Systems (ACIRS)	Dynamic Motion Planning for Conducting Obstacle Avoidance Maneuver of Fixed Wing Autonomous Aerial Vehicle	Nagoya; Japan; July 13, 2019
42	2019 4th Asia-Pacific Conference on Intelligent Robot Systems (ACIRS)	Kinematics and Dynamics Analysis of an Autonomous Three-wheeled Bicycle Modeling	Nagoya; Japan; July 13, 2019

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
43	2018 International Symposium on Micro-NanoMechatronics and Human Science (MHS)	Improvement CNN Performance by Edge Detection Preprocessing for Vehicle Classification Problem	Nagoya; Japan; December 9, 2018
44	2018 International Symposium on Micro-NanoMechatronics and Human Science (MHS)	Variational Mode Decomposition with Nonlocal Means Technique for Robust Denoising ECG Signal	Nagoya; Japan; December 9,
45	2018 International Symposium on Micro-NanoMechatronics and Human Science (MHS)	Optimized Convolutional Gabor Using Particle Swarm Optimization: Case Study: Vehicle Classification Tasks	Nagoya; Japan; December 9, 2018
46	2018 International Symposium on Micro-NanoMechatronics and Human Science (MHS)	Enhanced Bayesian Tracker for Various Condition using Thermal Infrared Imagery	Nagoya; Japan; December 9, 2018
47	2018 International Conference on Advanced Computer Science and Information Systems, ICACSIS 2018 8618266, pp. 367-372	2-Dimensional homogeneous distributed ensemble feature selection	Yogyakarta; Indonesia; 2728 Oktober 2018
48	2018 International Conference on Advanced Computer Science and Information Systems, ICACSIS 2018 8618161, pp. 373-378	Two layer network flow for fast data association on multi object tracking	Yogyakarta; Indonesia; 2728 Oktober 2018
49	ISSIMM 2018 - 3rd International Seminar on Sensors, Instrumentation, Measurement and Metrology, Proceeding 8727733, pp. 34-38	Multipath Routing Protocols in Vehicular Ad hoc Networks (VANETs): Performance Evaluation in Various Conditions	Depok; Indonesia; 4-5 December 2018
50	ISSIMM 2018 - 3rd International Seminar on Sensors, Instrumentation, Measurement and Metrology, Proceeding 8727739, pp. 64-67	Denoising Noisy ECG Signal Based on Adaptive Fourier Decomposition	Depok; Indonesia; 4-5 December 2018

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
51	ISSIMM 2018 - 3rd International Seminar on Sensors, Instrumentation, Measurement and Metrology, Proceeding 8727729, pp. 101-104	Multi-Parameter Measurement Tool of Heart Rate and Blood Pressure to Detect Indonesian Car Drivers Drowsiness	Depok; Indonesia; 4-5 December 2018
52	6th IEEE International Conference on Advanced Logistics and Transport, ICALT 2017 - Proceedings 8547011, pp. 53-58	Vehicle Detection using Dimensionality Reduction based on Deep Belief Network for Intelligent Transportation System	Bali; Indonesia; 24-27 July 2017;
53	2018 International Workshop on Big Data and Information Security, IWBIS 2018 8471702, pp. 93-98	Ensemble Learning on Large Scale Financial Imbalanced Data	Jakarta, Indonesia; 12-13 Mei 2018
54	2018 International Workshop on Big Data and Information Security, IWBIS 2018 8471691, pp. 99-106	Performance Comparison of Bitcoin Prediction in Big Data Environment	Jakarta, Indonesia; 12-13 Mei 2018
55	2018 International Workshop on Big Data and Information Security, IWBIS 2018 8471717, pp. 117-122	Level 2 Features with Feedback Mechanism for Toddler Fingerprint Recognition	Jakarta, Indonesia; 12-13 Mei 2018
56	2018 International Workshop on Big Data and Information Security, IWBIS 2018 8471699, pp. 129-135	Multicodebook Neural Network Using Intelligent K-Means Clustering Based on Histogram Information for Multimodal Data Classification	Jakarta, Indonesia; 12-13 Mei 2018
57	2018 International Workshop on Big Data and Information Security, IWBIS 2018	Improving Principal Component Analysis Performance for Reducing Spectral Dimension in Hyperspectral Image Classification	Jakarta, Indonesia; 12-13 Mei 2018

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
	8471705, pp. 123-128		
58	2017 International Conference on Advanced Computer Science and Information Systems, ICACSIS 2017 2018-January,8355071, pp. 439-444	Bhattacharyya distance-based tracking: A vehicle counting application	Jakarta; Indonesia; 2829 Oktober 2017
59	2017 International Conference on Advanced Computer Science and Information Systems, ICACSIS 2017	Preliminary research on continuous conditional random fields in predicting high-dimensional data	Jakarta; Indonesia; 28 - 29 Oktober
60	MHS 2017 - 28th 2017 International Symposium on Micro-Nano Mechatronics and Human Science 2018-January, pp. 1-6	Seasonal time series exploration using conditional probabilistic graphical approach	Nagoya; Japan; 3-6 December 2017
61	Proceedings-MHS 2017 - 28th 2017 International Symposium on Micro-Nano Mechatronics and Human Science 2018-January, pp. 1-7	Fruit mapping mobile robot on simulated agricultural area in Gazebo simulator using simultaneous localization and mapping (SLAM)	Nagoya; Japan; 3-6 December 2017
62	Proceedings- 2018 MHS 2017 - 28th 2017 International Symposium on Micro Nano Mechatronics and Human Science 2018-January, pp. 1-7	Telebiometric system for infant and toddler fingerprint recognition	Nagoya; Japan; 3-6 December 2017
63	Proceedings - 2017 1st International Conference on Informatics and Computational Sciences, ICICoS 2017 2018-January, pp. 165-169	Comparison of diagnostics set and feature selection for breast cancer classification based on microRNA expression	Semarang; Indonesia; 15 - 16 November 2017

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
64	Proceedings - WBIS 2017: 2017 International Workshop on Big Data and Information Security 2018-January, pp. 63-68	Optimization of Stacked Unsupervised Extreme Learning Machine to improve classifier performance	Jakarta; Indonesia; 23 - 24 September 2017
65	Proceedings - WBIS 2017: 2017 International Workshop on Big Data and Information Security 2018-January, pp. 31-36	Hyperbolic tangent activation function on FIMT-DD algorithm analysis for airline big data	Jakarta; Indonesia; 23 - 24 September 2017
66	Proceedings - WBIS 2017: 2017 International Workshop on Big Data and Information Security 2018-January, pp. 93-98	A real time vehicle counting based on adaptive tracking approach for highway videos	Jakarta; Indonesia; 23 - 24 September 2017
67	Proceedings - WBIS 2017: 2017 International Workshop on Big Data and Information Security 2018-January, pp. 155-160	An efficient secure ECG compression based on 2D-SPIHT and SIT algorithm	Jakarta; Indonesia; 23 - 24 September 2017
68	Proceedings - WBIS 2017: 2017 International Workshop on Big Data and Information Security 2018-January, pp. 69-75	Block and booth floating point number multiplication algorithms in FPGA's generalized learning vector quantization implementation	Jakarta; Indonesia; 23 - 24 September 2017
69	Proceedings - WBIS 2017: 2017 International Workshop on Big Data and Information Security 2018-January, pp. 77-83	Enhance generalized learning vector quantization using unsupervised extreme learning machine and intelligent K-means clustering	Jakarta; Indonesia; 23 - 24 September 2017
70	2016 International Workshop on Big Data and	Enhanced tele ECG system using Hadoop framework to deal with big data processing	Jakarta, Indonesia ,1819 Oktober 2016

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
	Information Security, IWBIS 2016 7872900, pp. 121-126		
71	2016 International Workshop on Big Data and Information Security, IWBIS 2016 7872897, pp. 103-108	Generalized learning vector quantization particle swarm optimization (GLVQ-PSO) FPGA implementation for real-time electrocardiogram	Jakarta, Indonesia ,1819 Oktober 2016
72	2016 International Conference on Advanced Computer Science and Information Systems, ICACSIS 2016 7872805, pp. 572-579	Generative oversampling method (GenOMe) for imbalanced data on apnea detection using ECG data	Malang; Indonesia, 15 - 16 Oktober 2016
73	2016 International Workshop on Big Data and Information Security, IWBIS 2016 7872902, pp. 133-137	Big data compression using spiht in Hadoop: A case study in multi-lead ECG signals	Jakarta, Indonesia ,1819 Oktober 2016
74	2016 International Conference on Advanced Computer Science and Information Systems, ICACSIS 2016 7872795, pp. 523-528	Accurate visual tracking by combining Bayesian and evolutionary optimization framework	Malang; Indonesia, 15 - 16 Oktober 2016
75	2016 International Workshop on Big Data and Information Security, IWBIS 2016 7872886, pp. 31-39	A review of big data analytics in the biomedical field	Jakarta, Indonesia ,1819 Oktober 2016
76	2016 International Conference on Advanced Computer Science and Information Systems, ICACSIS 2016 7872796, pp. 530-535	Multi-sperm tracking using Hungarian Kalman Filter on low frame rate video	Malang; Indonesia, 15 - 16 Oktober 2016
77	2017 International Workshop on Big Data and Information Security	Hyperbolic Tangent Activation Function on FIMT-DD Algortihm Analysis for Airline Big Data	Jakarta, Indonesia, 23 - 24 September 2017

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
78	2017 International Workshop on Big Data and Information Security	Block and Booth Floating Point Number Multiplication Algorithms in FPGA's Generalized Learning Vector Quantization implementation	Jakarta, Indonesia, 23 - 24 September 2017
79	2017 International Workshop on Big Data and Information Security	Optimization of Stacked Unsupervised Extreme Learning Machine to Improve Classifier Performance	Jakarta, Indonesia, 23 - 24 September 2017
80	2017 International Workshop on Big Data and Information Security	Enhance Generalized Learning Vector Quantization using Unsupervised Extreme Learning Machine and Intelligent K-Means Clustering	Jakarta, Indonesia, 23 - 24 September 2017
81	2017 Quality in Research	Vehicle Detection using Dimensionality Reduction based on Deep Belief Network for Intelligent Transportation System	Jakarta, Indonesia, 28 - 29 Oktober 2017
82	2017 International Conference on Computer Science and Information Systems	Bhattacharyya Distance-based Tracking: A Vehicle Counting Application	Jakarta, Indonesia, 28 - 29 Oktober 2017
83	2017 International Conference on Computer Science and Information Systems	Preliminary Research on Continuous Conditional Random Fields in Predicting High-Dimensional Data	Jakarta, Indonesia, 28 - 29 Oktober 2017
84	2017 IEEE International Symposium on Micro-NanoMechatronics and Human Science	Time Series Characteristic Exploration using Conditional Probabilistic Graphical Approach	Nagoya, Jepang, 4-6 Desember 2017
85	2017 IEEE International Symposium on Micro-NanoMechatronics and Human Science	Fruit Mapping Mobile Robot on Simulated Agricultural Area in Gazebo Simulator Using Simultaneous Localization And Mapping (SLAM)	Nagoya, Jepang, 4-6 Desember 2017
86	2017 IEEE International Symposium on Micro-NanoMechatronics and Human Science	Telebiometric System for Infant and Toddler Fingerprint Recognition	Nagoya, Jepang, 4-6 Desember 2017
87	2016 IEEE World Congress on Computational Intelligence (IEEE WCCI)	Perceptron Rule Improvement on FIMTDD for Large Traffic Data Stream	Vancouver, Canada, 24-29 Juli 2016.
88	2016, International Conference on	Prediction the Number of Blastomere in Time-Lapse Embryo Using Conditional	Universitas Brawijaya

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
	Computer Science and Information Systems		
89	2016, International Conference on Computer Science and Information Systems	Sensor Node for Data Sampling and Correlation Analysis of CO_2 Concentration with Air Humidity, Temperature, and Light Intensity	Universitas Brawijaya Malang, 15 - 16 Okt 2016
90	2016, International Conference on Computer Science and Information Systems	Accurate Visual Tracking by Combining Bayesian and Evolutionary Optimization Framework	Universitas Brawijaya Malang, 15 - 16 Okt 2016
91	2016, International Conference on Computer Science and Information Systems	Structured Support Vector Machine Learning of Conditional Random Fields	Universitas Brawijaya Malang, 15 - 16 Okt 2016
92	2016, International Conference on Computer Science and Information Systems	Fetal Head Segmentation Based On Gaussian Elliptical Path and Nature based Optimization	Universitas Brawijaya Malang, 15 - 16 Okt 2016
93	2016, International Conference on Computer Science and Information Systems	Vehicle Traffic Monitoring Using Single Camera and Embedded Systems	Universitas Brawijaya Malang, 15 - 16 Okt 2016
94	International Workshop on Big Data and Information Security 2016	A Review of Big Data Analytics in the Biomedical Field	Hotel Santika TMII, 19 Desember 2016
95	International Workshop on Big Data and Information Security 2016	Design of Intelligent K-Means Based on Spark for Big Data Clustering	Hotel Santika TMII, 19 Desember 2016
96	International Workshop on Big Data and Information Security 2016	Generalized Learning Vector Quantization Particle Swarm Optimization (GLVQ-PSO) FPGA Implementation for Real-Time Electrocardiogram	Hotel Santika TMII, 19 Desember 2016
97	International Workshop on Big Data and Information Security 2016	Enhanced Tele ECG System Using Hadoop Frawork To Deal With Big Data Processing	Hotel Santika TMII, 19 Desember 2016

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
98	International Workshop on Big Data and Information Security 2016	Big Data Compression using SPIHT in Hadoop A Case Study in Multi-lead ECG Signals	Hotel Santika TMII, 19 Desember 2016
99	2015 International Conference on Advance Computer Science and Information Systems.	An Adaptive Selective Background Learning-Hole Filling Algorithm to Improve Vehicle Detection	Depok, Indonesia, 2015
100	2015 International Conference on Advance Computer Science and Information Systems, Depok, Indonesia, 2015.	Genetic Algorithm Optimization for Extreme Learning Machine based Microalgal Growth Forecasting of Chlamydomonas sp.	Depok, Indonesia, 1718 Oktober 2015
101	2015 International Conference on Advance	ECG Signal Compression by Using	Depok,
102	Computer Science and Information Systems, Depok, Indonesia, 2015.	Predictive Coding And Set Partitioning in Hierarchical Trees (SPIHT),	Indonesia, 1718 Oktober 2015
103	2015 International Conference on Advance Computer Science and Information Systems, Depok, Indonesia, 2015.	Implementation of Adaptive Fuzzy Neuro Generalized Learning Vector Quantization (AFNGLVQ) on Field Programmable Gate Array (FPGA) for Real World Application	Depok, Indonesia, 1718 Oktober 2015
104	2015 International Conference on Advance Computer Science and Information Systems, Depok, Indonesia, 2015.	Multi Codebook LVQ-Based Artificial Neural Network Using Clustering Approach	Depok, Indonesia, 1718 Oktober 2015
105	2015 International Conference on Advance Computer Science and Information Systems	Evolutionary-based Segment Selection for Higher- order Conditional Random Fields in Semantic Image Segmentation	Depok, Indonesia, 1718 Oktober 2015
106	26th 2015 International Symposium on NanoMechatronics and Human Science (From	Human Sperm Tracking using Particle Swarm Optimization combined with Coherency Sensitive Hashing on Low Frame Rate Video	Nagoya, Japan, 23-25 November 2015

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
	Micro Nano Scale Systems to Robotics & Mechatronics Systems)		
107	26th 2015 International Symposium on NanoMechatronics and Human Science (From Micro Nano Scale Systems to Robotics & Mechatronics Systems)	Implementation of Grid Mapped Robot Planning Algorithm in a Continuous Map for Fire Fighting Robot	Nagoya, Japan, 23-25 November 2015
108	26th 2015 International Symposium on NanoMechatronics and Human Science (From Micro Nano Scale Systems to Robotics & Mechatronics Systems)	Algal Growth Rate Modeling and Prediction Optimization Using Incorporation of MLP and CPSO Algorithm	Nagoya, Japan, 23-25 November 2015
109	26th 2015 International Symposium on NanoMechatronics and Human Science (From Micro Nano Scale Systems to Robotics & Mechatronics Systems)	Automatic Fetal Head Approximation Using Particle Swarm Optimization Based Gaussian Elliptical Path	Nagoya, Japan, 23-25 November 2015
110	26th 2015 International Symposium on NanoMechatronics and Human Science (From Micro Nano Scale Systems to Robotics & Mechatronics Systems)	Ellipse Detection on Embryo Image Using Modification of Arc Particle Swarm Optimization (ArcPSO) Based Arc Segment	Nagoya, Japan, 23-25 November 2015
111	2015 International Conference on Computers, Communications, and Systems (ICCCS 2015), India.	An Efficient Implementation of Generalized Extreme Studentized Deviate (GESD) on Field Programmable Gate Array (FPGA)	Kanyakumari, India, 2-3 November 2015
112	2015 International Conference on Computers, Communications, and Systems (ICCCS 2015), India.	Semantic Segmentation Scoring using Weakly Supervised Convolutional Neural Network	Kanyakumari, India, 2-3 November 2015

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
113	2014 International Conference on Advance Computer Science and Information Systems	ArcPSO: Ellipse Detection Method using Particle Swarm Optimization and Arc Combination	Hotel Ambhara, Jakarta, Indonesia 18-19 Oktober 2014
114	2014 International Conference on Advance Computer Science and Information Systems	Tracking Efficiency Measurement of Dynamic Models on Geometric Particle Filter	Hotel Ambhara, Jakarta,
115	2014 International Conference on Advance Computer Science and Information Systems	Automatic Fetal Organs Segmentation Using Multilayer Super Pixel and Image Moment Feature	Hotel Ambhara, Jakarta, Indonesia 1819 Oktober 2014
116	IEEE International Conference on Robotics and Automation (ICRA)	3D SPIHT for multi-lead ECG compression	Hong Kong, 31 Mei-7 Juni 2014
117	IEEE 3rd Global Conference on Consumer Electronics, GCCE 2014	Fundamental diagram estimation using Virtual Detection Zone in smart phones application and CCTV data	Tokyo, Japan, 7-10 Oktober 2014
118	7th International Conference on Physics and Its Applications 2014 (ICOPIA 2014)	Design and Simulation Fuzzy Neuro Generalized Learning Vector QuantizationPI (FNGLVQ-PI) on Field Programmable Gate Array (FPGA)	Solo, Indonesia 16-17 September 2014
119	7th International Conference on Physics and Its Applications 2014 (ICOPIA 2014)	2D Set Partitioning In Hierarchical Tree (SPIHT) On Embedded Devices For Multilead ECG Signal Compression	Solo, Indonesia 16-17 September 2014
120	2013 International Conference on Advance Computer Science and Information Systems	Vehicle counting and speed measurement using headlight detection	Bali, Indonesia, 28-29 Oktober 2013
121	2013 International Conference on Advance Computer Science and Information Systems	Simulation of intelligent Unmanned Aerial Vehicle (UAV) for military surveillance	Bali, Indonesia, 28-29 Oktober 2013

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
122	2013 International Conference on Advance Computer Science and Information Systems	Improved vehicle speed estimation using Gaussian mixture model and hole filling algorithm	Bali, Indonesia, 28-29 Oktober 2013
123	2013 International Conference on Advance Computer Science and Information Systems	Improved efficient Ellipse Hough transform for fetal head measurement	Bali, Indonesia, 28-29 Oktober 2013
124	IEEE International Conference on Systems, Man, and Cybernetics, SMC 2013	Background subtraction using Gaussian Mixture Model enhanced by Hole Filling Algorithm (GMMHF)	Manchester: United Kingdom, 13-16 Oktober 2013
125	International Symposium on MicroNanoMechatronics and Human Science, MHS 2013	Autonomous quadcopter swarm robots for object localization and tracking	Nagoya: Japan, 10-13 November 2013
126	International Symposium on MicroNanoMechatronics and Human Science, MHS 2013	Automatic detection of embryo using Particle Swarm Optimization based Hough Transform	Nagoya: Japan, 10-13 November 2013
127	International Conference on Advanced Computer Science and Information Systems, ICACSIS 2013	An ECG 12-lead hardware with SPIHT compressing scheme	Bali, Indonesia, 28-29 Oktober 2013
128	International Conference on Advanced Computer Science and Information Systems, ICACSIS 2013	Adaptive Multi codebook Fuzzy Neuro Generalized Learning Vector Quantization for sleep stages classification,"	Bali, Indonesia, 28-29 Oktober 2013
129	International Symposium on MicroNanoMechatronics and Human Science, 2012	Building automation tools to calculate trichloroethylene level in human liver using - Case study: Images of white mouse liver	Nagoya, Japan 4-7 November 2012

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
130	SICE Annual Conference 2012	Fuzzy Learning Vector Quantization Particle Swarm Optimization (FLVQ-PSO) and Fuzzy Neuro Generalized Learning Vector Quantization (FNGLVQ) for automatic early detection system of heart diseases based on realtime electrocardiogram	Akita, Japan 20-23 Agustus 2012
131	SICE Annual Conference 2012	Swarm quadrotor robots for telecommunication network coverage area expansion in disaster area	Akita, Japan 20-23 Agustus 2012
132	IEEE International Conference on Systems, Man and Cybernetics 2012	Adaptive Multilayer Generalized Learning Vector Quantization (AMGLVQ) as new algorithm with integrating feature extraction and classification for Arrhythmia heartbeats classification	Seoul, South Korea, 14-17 Oktober 2012
133	IEEE International Conference on Systems, Man and Cybernetics 2012	FNGLVQ FPGA design for sleep stages classification based on electrocardiogram signal	Seoul, South Korea, 14-17 Oktober 2012
134	IEEE International Conference on Systems, Man and Cybernetics 2012	Beat reordering for optimal electrocardiogram signal compression using SPIHT	Seoul, South Korea, 14-17 Oktober 2012
135	ICACSIS, 2012	ITS information source: Vehicle speed measurement using camera as sensor	Depok, Indonesia 1-2 Desember 2012
136	ICACSIS, 2012	Body gesture based control system for humanoid robot	Depok, Indonesia 1-2 Desember 2012
137	ICACSIS, 2012	Development of traffic sensor system with virtual detection zone	Depok, Indonesia 1-2 Desember 2012
138	ICACSIS, 2012	Efficient incomplete ellipse detection based on minor axis for ultrasound fetal head approximation	Depok, Indonesia 1-2 Desember 2012
139	ICACSIS, 2012	Analysis of multi codebook GLVQ versus standard GLVQ in discriminating sleep stages	Depok, Indonesia 1-2 Desember 2012

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
140	ICACSIS, 2012	Traffic intelligent system architecture based on social media information	Depok, Indonesia 1-2 Desember
141	ICACSIS, 2012	An integrated sleep stage classification device based on electrocardiograph signal	Depok, Indonesia 1-2 Desember 2012
142	ICACSIS, 2012	Modified Fuzzy-Neuro Generalized Learning Vector Quantization for early detection of Arrhytmias	Depok, Indonesia 1-2 Desember 2012
143	International Symposium on MicroNanoMechatronics and Human Science, MHS 2012	Mobile phones as traffic sensors with map matching and privacy considerations	Nagoya, Japan 4-7 November 2012
144	International Symposium on MicroNanoMechatronics and Human Science, MHS 2012	Modified Particle Swarm for multimodal functions in dynamic environment using iteration proportional change for inertia weight and weight of social components	Nagoya, Japan 4-7 November 2012
145	2nd International Symposium on Robotics and Intelligent Sensors 2012, IRIS	The effect of electrocardiogram signal compression using beat reordering and SPIHT on automatic sleep stage classification	Kuching, Sarawak: Malaysia, 4-6 September 2012
146	5th International Conference on Bioinformatics and Biomedical Engineering, iCBBE 2011	Sleep apnea detection from ECG signal: Analysis on optimal features, principal components, and nonlinearity	Wuhan, China 10-12 Mei 2011
147	ICACSIS, 2011	FNLVQ design and implementation in FPGA to estimate trichloroethylene in white mouse liver images	December 17th18th, 2011
148	IEEE Region 10 Annual International Conference, TENCON, 2011	A comparative study on Daubechies Wavelet Transformation, Kernel PCA and PCA as feature extractors for arrhythmia detection using SVM	Bali, Indonesia, 21-24 November 2011
149	ICACSIS, 2011	Implementation vehicle classification on distributed traffic light control system neural network based	Jakarta, Indonesia, 17-18 December, 2011

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
150	IEEE Region 10 Annual International Conference, TENCON, 2011	Adaptive traffic signal control system using camera sensor and embedded system	Bali, Indonesia, 21-24 November 2011
151	ICACSIS, 2011	Arrhytmia classification using fuzzyneuro generalized learning vector quantization	Jakarta, Indonesia, 17-18 December, 2011
152	ICACSIS, 2011	Telecommunication networks coverage area expansion in disaster area using autonomous mobile robots: Hardware and software implementation	Jakarta, Indonesia, 17-18 December, 2011
153	22nd Annual Symp. on Micro-Nano Mechatronics and Human Science, MHS 2011, Held Jointly with the Symp. on COE for Education and Research of Micro-Nano Mechatronics, Micro-Nano GCOE 2011, Symp. on Hyper Bio Assembler for 3D	Optimized distributed self-organizing control for coordinated traffic signal in Jakarta	Nagoya: Japan, 6-9 November 2011
154	22nd Annual Symp. on Micro-Nano Mechatronics and Human Science, MHS 2011, Held Jointly with the Symp. on COE for Education and Research of Micro-Nano Mechatronics, Micro-Nano GCOE 2011, Symp. on Hyper Bio Assembler for 3D Cellular System Innovation	Arrhythmia classification from wavelet feature on FGPA	Nagoya: Japan, 6-9 November 2011

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
155	22nd Annual Symp. on Micro-Nano Mechatronics and Human Science, MHS 2011, Held Jointly with the Symp. on COE for Education and Research of Micro-Nano Mechatronics, Micro-Nano GCOE, Symp. on Hyper Bio Assembler for 3D Cellular System Innovation	Enhanced adaptive traffic signal control system using camera sensor and embedded system	Nagoya: Japan, 6-9 November 2011
156	22nd Annual Symp. on Micro-Nano Mechatronics and Human Science, MHS 2011, Held Jointly with the Symp. on COE for Education and Research of Micro-Nano Mechatronics, Micro-Nano GCOE, Symp. on Hyper Bio Assembler for 3D Cellular System Innovation	Autonomous telecommunication networks coverage area expansion in disaster area using mobile robots	Nagoya: Japan, 6-9 November 2011
157	22nd Annual Symp. on Micro-Nano Mechatronics and Human Science, MHS 2011, Held Jointly with the Symp. on COE for Education and Research of Micro-Nano Mechatronics, Micro-Nano	Arrhythmia heart beats classification using mahalanobis Generalized Learning Vector Quantization (Mahalanobis GLVQ)	Nagoya: Japan, 6-9 November 2011

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
	GCOE, Symp. on Hyper Bio Assembler for 3D Cellular System Innovation		
158	ICACSIS, 2010	Detection and Counting of Vehicles Based on Video Processing In Distributed Traffic System	Depok, Indonesia 23-24 November 2010
159	ICACSIS, 2010	LOESS Smoothing of Naïve Bayes Classifier for Highly Dependent Medical Data	Depok, Indonesia 23-24 November 2010
160	ICACSIS, 2010	Heart Beat Classification Using Wavelet Feature	Depok, Indonesia 23-24 November 2010
161	ICACSIS, 2010	Enhanced Distributed Traffic Cintril with Swarm-Self Organizing Map in Jakarta based on Traffic Signal Processing	Depok, Indonesia 23-24 November 2010
162	ICACSIS, 2010	Bootsrapped Multinomial Logistic Regression on Apnea Detection Using ECG Data	Depok, Indonesia 23-24 November 2010
163	ICACSIS, 2010	SVM Kernels Accuracy and Generalization Capability on Apnea Detection form ECG	Depok, Indonesia 23-24 November 2010
164	ICACSIS, 2010	Principal Component Regression Analysis on Automatic Sleep Apnea Detection from ECG Data	Depok, Indonesia 23-24
165	ICACSIS, 2010	Modified PSO Algorithm for Odor Source Localization Problems : Progress and Challenge	Depok, Indonesia 23-24 November 2010

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
166	ICACSIS, 2010	Strategy Devekopment and Peformance Analysis in Robot Soccer Simulation	Depok, Indonesia 23-24 November 2010
167	ICACSIS, 2010	Real Multiple Mobile Robots Implementation of PSO Algorithm for Odor Source Localization	Depok, Indonesia 23-24 November 2010
168	ICACSIS, 2010	Pengenalan dan Pencarian Posisi Robot : Studi Kasus Pencarian Sumber Kebocoran Gas	Depok, Indonesia 23-24 November 2010
169	ICACSIS, 2009	Optimized Fuzzy Learning Vector Quantization for Artificial Mixture Odors Discrimination System	Depok, Indonesia 7-8 Des 2009
170	ICACSIS, 2009	Gradual Pattern Formation of Homogeneus Robot Groups Using Simple Periodic Functions: Case Study Mindstorms NXT Lego Robots	Depok, Indonesia 7-8 Des 2009
171	ICACSIS, 2009	An Application of Distributed Multihop Robot-based Communication Network in Restricted and Static Environment after Disaster	Depok, Indonesia 7-8 Des 2009
172	ICACSIS, 2009	Performance Evaluation of Single Bus Microprocessor Architecture	Depok, Indonesia 7-8 Des 2009
173	20th Anniversary MHS 2009 and Micro-Nano Global COE - 2009 International Symposium on Micro-NanoMechatronics and Human Science	Visualization and statistical analysis of fuzzy-neuro learning vector quantization based on particle swarm optimization for recognizing mixture odors	Nagoya, Japan, 8-11 November 2009
174	20th Anniversary MHS 2009 and Micro-Nano Global COE - 2009 International Symposium on Micro-NanoMechatronics and Human Science	Localizing multiple odor sources in dynamic environment using ranged subgroup PSO with flow of wind based on open dynamic engine library	Nagoya, Japan, 8-11 November 2009

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
175	20th Anniversary MHS 2009 and Micro-Nano Global COE - 2009 International Symposium on Micro-NanoMechatronics and Human Science	Distributed traffic control with swarmself organizing map in Jakarta: Simulation and measurement	Nagoya, Japan, 8-11 November 2009
176	International Conference on Advanced Computational Intelligence and Its Application	3D Face Pose Determination using Spline Interpolation and Linear Interpolation	Depok, 1-2 September 2008
177	International Conference on Advanced Computational Intelligence and Its Application	Visualization and Statistical Analysis Fuzzy-Neuro LVQ in Eigen Domain for Recognizing Mixture Odor	Depok, 1-2 September 2008
178	International Conference on Advanced Computational Intelligence and Its Application	Development of 2D Mel-Frequency Cepstrum Coefficient Method for Processing Bispectrum data as Feature Extraction Technique in Speaker Identification System	Depok, 1-2 September 2008
179	International Conference on Advanced Computational Intelligence and Its Application	Genetics Algorithm for 2D-MFCC Filter Development in Speaker Identification System using HMM	Depok, 1-2 September 2008
180	International Conference on Advanced Computational Intelligence and Its Application	Variant of Ranged Global Best in Parallel Modified Niche PSO with Flow of Wind for Multiple Odor Source Localization Problems in Dynamic Environments	Depok, 1-2 September 2008
180	International Conference on Advanced Computational Intelligence and Its Application	Variant of Ranged Global Best in Parallel Modified Niche PSO with Flow of Wind for Multiple Odor Source Localization Problems in Dynamic Environments	Depok, 1-2 September 2008
181	International Conference on Advanced	3D Simulation of Multiple Odor Source Localization Using Modified Particle Swarm Optimization	Depok, 1-2 September 2008

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
	Computational Intelligence and Its Application		
182	International Conference on Instrumentation, Communication and Information Technology	Electronic Nose Based on Neural Networks: Past, Present and Future Proc	Bandung, Indonesia, Agustus 2007
183	International Conference on Instrumentation, Communication and Information Technology	Integration of Flow and Chemical Sensing Based Modified Particle Swarm Optimization Algorithm for Odor Source Localization in Dynamics Environments	Bandung, Indonesia, Agustus 2007
184	IEEE Sensors	A PSO-based Mobile Sensor Network for Odor Source Localization in Extreme Dynamic Advection-Diffusion Environment with Obstacle	Daegu, Korea, 22-25 October 2006
185	IEEE/RSJ IROS	A PSO-based Mobile Sensor Network for Odor Source Localization in Dynamic Environment AdvectionDiffusion Environment	Beijing, China, 9-13 Oktober 2006
186	IEEE WCCI Word Congress on Computational Intelligence	A PSO-based Mobile Sensor Network for Odor Source Localization in Dynamic Environment: Theory, Simulation and Measurement	Vancouver, Canada, 16-21 Juli 2006
187	International Symposium DARS	A Particle Swarm-based Mobile Sensor Network for Odor Source Localization in Dynamic Environment (Odor Gaussian Model)	Minnesota, USA, 12-14 Juli 2006
188	IEEE Sensors 2005	Distribted Odor Source Localization in Dynamic Environment	California, USA, 31 Oktober-3 November 2005
189	IEEE Sensors 2005	Optimized Probabilistic Neural Networks in Recognizing Fragrance Mixtures using Higher Number of Sensors	California, USA, 31 Oktober-3 November 2005

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
190	SICE	Artificial Odor Discrimination System Using Multiple Quartz Resonator Sensor and FNLVQ-MSA Neural Network for Recognizing Concentration of Odor	Okayama, Jepang, 8-10 Agustus 2005
191	MHS-IEEE	Artificial odor discrimination system for recognizing the fragrance mixtures using multiple quartz-resonator sensors,	Nagoya, Japan, 31 October- 3 November 2004
192	International Conf. SCIS/ISIS	Robotic Applications for Odor-Sensing Technology	Yokohama, Jepang, 21-24 September 2004
193	APCCAS-IEEE	Optimization od Fuzzy-Neural Structure Through Genetic Algorithms and Its Application in Artificial Recognition System	Denpasar, Bali, Indonesia, 2831 Oktober 2002
194	APCCAS-IEEE	Recognition of Odor Mixture Using Fuzzy-LVQ Neural Networks with Marix Similarity Analysis	Denpasar, Bali, Indonesia, 2831 Oktober 2002
195	APCCAS-IEEE	Improving the Artificial Odor and Gas Source Localization System Using the Semiconductor Gas Sensor Based on RF Communication	Denpasar, Bali, Indonesia, 2831 Oktober 2002
196	International Conference on Fundamentals of Electronics, Communication and Computer Sciences	Using Fuzzy-LVQ Algorithm to Recognize the Unknown Odor Mixture in the Artificial Odor Discrimination System	Tokyo, Japan, Maret 2002
197	International Conf. Instrumentation, Measurements and Communication for the Future	Artificial Odor Discrimination System for Recognize the Fragrance Mixture with Probabilistic Neural Network	Bandung, Indonesia, Juli 2001
198	IEEE-Computational Intelligence and Multimedia Applications Press	Speaker Identification in Noisy Environment Using Bispectrum Analysis and Probabilistic Neural Network	Yokusika City, Japan, November 2001

No.	Nama Prosiding Pertemuan Ilmiah/Seminar	Judul	Tempat dan Waktu
199	Society of Photographic Instrumentation Engineers	Fuzzy Learning Vector Quantization Neural Network and Its Application for Odor Recognition System	USA, 2000

L.Pengalaman sebagai Pembicara Dosen Dosen Tamu

No	Event
1	"Overview: AI Development & Perspectives in The World and In Indonesia", UB Malang, 2024
2	"Artificial Intelligence (AI) Policy in Educational Institution", BINUS, 2024
3	"Coaching Penulisan Artikel Ilmiah Internasional Bereputasi", Department of Civil Engineering, Universitas Islam Indonesia, 31 July 2024
4	"Transformasi Sosial dan Humaniora dalam Pusaran Perkembangan Artificial Intelligence", Seminar Nasional Sosial dan Humaniora, Universitas Mataram, Nusa Tenggara Barat, 31 Oktober 2024
5	"Aplikasi Artificial Intelligence untuk Peneliltian dan Publikasi Ilmiah", Universitas Sultan Ageng Tirtayasa, 29 April 2024
6	Publikasi e-Jurnal Terindeks Scopus Q1 dan Q2 bidang Rekayasa, Fakultas Teknik Universitas Negeri Padang, 28 Oktober 2024
7	Stadium General "Prospects for Data Science in the Industrial Age 4.0: Opportunities and Challenges", UIN Malang, 2020
8	Guest lecture at Meijo University, Japan, 2018.
9	Visiting researcher, Nagoya University, Japan, 2010, 2013, 2018
10	Guest lecture at the State Electronic Polytechnic of Surabaya, Surabaya, 2017.
11	Computer Science Department Public Lecture "The Role of Information and Communication Technology in Global Competition" at Nusa Cendana University, Faculty of Science and Engineering, Kupang, 2015.
12	Public lecture "Developing a National Research Culture" at the Meeting Point of PPI KANTO and PPI TODAI, The University of Tokyo, Japan, 2015.
13	Public Lecture "Research Laboratory: Collaboration of Lecturers and Students in Building Expertise" at the Faculty of Psychology UI, 2015.
14	Guest Lecture "Robotics and Artificial Intelligence (AI) Research" at more than 30 University in Indonesia

Keynote Speaker di Seminar Internasional

No	Event
1	International Conference of Computer and Informatics Engineering (IC2IE) 12-13 September 2024
2	2023 IEEE International Conference on Cryptography, Informatics, and Cybersecurity (ICoCICs) 22-24 August 2023

3	The 1st International Conference on Electrical and Electronic Engineering (IC3E 2022) 23 November 2022
4	International Workshop on Big Data and Information Security (IWBIS) 1-3 October 2022
5	Pre ICACSIS & IWBIS 2021 Workshop 11-12 June 2021
6	International Workshop on Big Data and Information Security (IWBIS) 23-25 October 2021
7	International Conference on Advanced Computer and Information Systems (ICACSIS) 18 October 2020
8	The International Conference on Vocational Education and Electrical Engineering (ICVEE) 3 - 4 October 2020
9	2020 International Conference on Information Management and Technology (ICIMTech 2020) 13 August 2020
10	The International Conference on Data Science, Artificial Intelligence and Business Analytics (DATABIA) 16 - 17 July 2020
11	TENSYMP (IEEE Region 10 Symposium) Dhaka, Bangladesh, 6 June 2020.
12	The 2nd Indonesian Medical Education and Research Institute International Conference, Jakarta, 7-9 November 2017.
13	The 2nd International Conference on Global health 2017, Jakarta, 14-16 Agustus 2017.
14	Triple Helix Forum 2017, Nusa Dua, Bali, 27-29 Juli 2017.
15	International Workshop on Big data and Information Security (IWBIS). Jakarta, 18-19 Oktober 2016.
16	Internasional Conference on Computer Science and Information Systems (ICACSIS) 2016, 15-16 Oktober 2016.
17	Pacific Rim Application and Grid Middleware Assembly (PRAGMA) The 29th, 7-11 Oktober 2015.

Pembicara di Acara bertaraf Nasional

No	Event
1	Workshop Kebijakan AI (Artificial Intelligence) Pembelajaran, Direktorat Sekolah Menengah Atas, 2024
2	Tantangan Dunia Pendidikan Dalam Perkembangan Dunia Digital di Indonesia, IndoenesiaNext, 2024
3	Pemanfaatan AI dalam Penelitian Ilmiah, Biro Sumber Daya Manusia, 21 November 2024
4	Peran Teknologi dalam Penegakan Hukum dan Proses Administrasi Keimigrasian, SANDYA CENDIKIA ABHINAYA, 7 September 2024
5	Penerapan AI untuk Memastikan Privasi dan Keamanan Pengguna E-Commerce, STATISTALK, Kementrian Perdagangan, 6 September 2024
6	Webinar in ARS University "Tips & Tricks: How to Manage World Class Research", Bandung, 2020
7	Webinar in UIN Sunan Kalijaga "Let's Do RFH: Research from Home", Yogyakarta, 2020
8	Webinar in STIMIK AKBA "Strategies to Pave the Way to Good Academics in the New Normal Era", Makassar, 2020

No	Event
9	National Seminar on Information Technology, Jakarta, 21 October 2017.
10	International Journal Scientific Article Writing Workshop, 24 February 2017.
11	International Journal Writing Workshop, 22 March 2017.
12	Workshop at Agung Tirtayasa University, Serang, Banten, 2017.
13	Seminar and Workshop at Sriwijaya University, Palembang, 2017.
14	Seminar and Workshop at Mataram University, West Nusa Tenggara, 2017.
15	Workshop "International Journal Writing" at Hasyim Asy'ari Tebuireng University, Jombang, East Java, 2017.
16	Workshop "Ethics in Writing Journal Publication" at Surabaya State University, 2017.
17	Research Code of Ethics. Lecture on Research Methodology and Scientific Writing (MPPI) Magiter Information Technology UI, 2016.
18	National Seminar "Optimization of Applied Science Technology through Research and Education Development to Increase National Competitiveness in the MEA Era" at Yogyakarta State University, 2016.
19	National Seminar Student Scientific Festival "Optimizing Indonesian Research to Achieve National Independence" at Sebelas Maret University, Surakarta, 2016.
20	Workshop on "Scientific Paper Writing" at Indramayu State Polytechnic, 2016.
21	Seminar "Training on Scientific Article Writing in International Journals" at the Faculty of Engineering, University of Indonesia, 2016.
22	National Seminar on Optimization of Indonesian Research to Realize National Independence, 6 March 2016.
23	Reboan Seminar Overview and Student Involvement in Carrying Out Research in the Fasilkom UI Environment. 16 March 2016.
24	Scientific Article Writing Training at International Journal, 31 March 2016.
25	National Seminar on Optimization of Applied Science through Research and Education Development to Increase National Competitiveness in the MEA Era, 15 May 2016.
26	Reboan Seminar Overview of Research Activities in Fasilkom UI Environment, 21 September 2016.
27	Writing Vocational Research Forum for Indexed International Journals, 29 November 2016.
28	Scientific Article Writing Workshop in the Field of Science for International Journals, UI Postgraduate Program, January 2015.
29	International Journal Article Writing Training, Fasilkom, 24 February 2015.
30	National Journal Article Writing Training, Fasilkom, 13 May 2015.
31	ICT Training & Seminar, Fasilkom, 28 May 2015.
32	Zakat Training, 25-26 May 2015.
33	Interactive Seminar on IDE "Intelligence Everywhere" in the Department of Computer Science and Electronics, Gajah Mada University, 2015.
34	Scientific article writing workshop in the field of science for reputable international journals, FMIPA UI, 18-19 November 2014.

No	Event
35	International Journal Writing Training for Post-UI Students (Rumpun: Science and Technology), UI Library Building, 23 October 2014.
36	Workshop: Enhancing International Journal Publications, Fasilkom UI, 17 October 2014.
37	Seminar on "Leadership and Entrepreneurship in Medical Research", FK UI, May 13, 2014.
38	Workshop on Writing Scientific Articles in the Field of Science for Reputable International Journals "How to Submit Scientific Articles to International Journals" at the Faculty of Mathematics and Natural Sciences, University of Indonesia, 2014.
39	Workshop "Leadership and Entrepreneurship in Research" at the Indonesia International Institute for Life-Science (I3L), 2014.
40	ICT Training & Seminar, Fasilkom 23-24 December 2013.
41	Writing Training in International Journals (Undergraduate Students), Central Library, 4 October 2013.
42	Writing Training in International Journal (S2 & S3 Students), Central Library, 18 October 2013.
43	Compfest Seminar "Encourage Innovation in Indonesia through Research", Fasilkom UI, 21 September 2013.
44	Article Writing Training at the International Scientific Journal at the Bogor Agricultural Institute, 2013.
45	National Seminar on Computer Science, Diponegoro University 2012, Diponegoro University, 15 September 2012.
46	Research Seminar, Fasilkom UI, 2 May 2012.
47	National Conference on Systems and Informatics 2011 (KNS & I 2011), STMIK Stikom Bali, 12 November 2011.

O. Membimbing Tugas Akhit Sarjana, Tesis Master, dan Disertasi Doktor

Degree	No	Name	Status
Doctoral	1	Agus Buono (Co-promotor)	Graduated
	2	Elly Matul Imah (Co-promotor)	Graduated
	3	Sani M. Isa (Co-promotor)	Graduated
	4	Didit Widiyanto (Co-promotor)	Graduated
	5	Benny Hardjono (Co-promotor)	Graduated
	6	Alexander Agung S. G. (Co-promotor)	Graduated
	7	Indra Hermawan (promotor)	Graduated
	8	Ananto Tri Sasongko (promotor)	Graduated
	9	Ario Yudo Husodo (promotor)	Graduated
	10	Nina Sevani (Promotor)	Graduated

Degree	No	Name	Status
	11	Asep Insani (Promotor)	Graduated
	12	I Wayan Muliawan (Promotor)	Graduated
	13	Rif'at Ahdi Ramadhani (Promotor)	Graduated
	14	Kurniawati Azizah (Promotor)	Graduated
	15	Sri Hartati (Promotor)	Graduated
	16	Chairisni (Promotor)	Graduated
	17	Ria Arafiyah (Co-promotor)	Graduated
	18	Amalia Rahmah (Co-promotor)	Graduated
	19	Achmad Fatchuttamam Abka (Promotor)	Graduated
	20	Panca Oktavia Hadi Putra (Promotor)	Graduated
	21	Kusuma Ayu Laksitowening (Promotor)	Graduated
	22	Asep Wahyudin (Promotor)	Graduated
	23	Tuti Purwoningsih (Promotor)	Graduated
	24	Berliyanto (Promotor)	Graduated
	25	Ridwan Andi Kambau (Promotor)	Graduated
	26	Nina Sevani (Promotor)	Graduated
	27	Ariana Yunita (Co-promotor)	Graduated
	28	Yogiek Indra Kurniawan	Active Student
Master		26 Students	Graduated
		10 Students	Active Student
Bachelor		61 Students	Graduated
		6 Students	Active Student