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Senior Lecturer of
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LECTURER

- Computer Vision
- Research Methodology
- Artificial Intelligence
- Statistics
- Business Intelligence

RESEARCH ID

- SINTA: 6008849
- SCOPUS: 57202197381
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- WoS - Clarivate: 501895
- GScholar: IfPNmVoAAAAJ

OTHERS

- SCOPUS H-Index: 7
- Pubs. International Journal
(Scopus Indexed)

PROFILE

Nomor Induk Kependidikan (NIK)
190302052

Pangkat/Golongan Ruang
Penata, III/c

Nomor Induk Dosen Nasional (NIDN)
0507027701

Jabatan Fungsional
Lektor (200 Angka Kredit)

EDUCATION

S1 (2000 – 2003)

STMIK Amikom Yogyakarta
Sistem Informasi

Analisis dan Perancangan Sistem Informasi Penjualan Buku Online AMIKOM Yogyakarta
Ir. Abbas Ali Pangera | Arief Setyanto, Ssi

S2 (2005– 2007)

Universitas Gadjah Mada
Ilmu Komputer

Integrasi Modul GPS Receiver dan GPRS untuk Penentuan Posisi dan Jalur Pergerakan Objek Bergerak (Studi Kasus: Penentuan Posisi Taksi di Yogyakarta)
Prof. Drs. Jazi Eko Istiyanto, M.Sc., Ph. D

S3 (2011 – 2019)

Universitas Gadjah Mada
Ilmu Komputer

Pengenalan Gestur Tangan Berbasis Computer Visi Menggunakan Ciri Geometri
Drs. Agus Harjoko, M. Sc, Ph.D | Drs. Retantyo Wardoyo, M.Sc., Ph.| Mochamad Hariadi, ST., M.Sc., Ph.D.

PROFILE

Andi Sunyoto is currently a senior lecturer and researcher at the Department of Computer Science Universitas Amikom Yogyakarta, Indonesia. He received a bachelor's degree in computer science from Universitas Amikom Yogyakarta, Indonesia 2003. He received his Master's (M. Kom) and Doctoral (Dr) degrees in Computer Science Universitas Gadjah Mada, Yogyakarta, Indonesia in 2007 and 2019 respectively. His research interest is in Intelligent Systems, Artificial Intelligence, Pattern Recognition, Computer Vision, Data Mining, and Multimedia (Image, Audio, Video Processing).

Judul Artikel	Peran	Jurnal	DOI-URL
Pre-Trained CNN Architecture Analysis for Transformer-Based Indonesian Image Caption Generation Model	Corresponding Author	International Journal on Informatics Visualization; ISSN: 25499904; Vol: 7; No: 2; Tahun 2023	10.30630/joiv.7.2.1387
The Best Techniques to Deal with Unbalanced Sequential Text Data in Deep Learning	CO-Author	International Journal of Advanced Computer Science and Applications; ISSN: 2158107X; Vol:13; No:11; Tahun: 2022	10.14569/IJACSA.2022.0131177

Augmented-syllabification of n-gram tagger for Indonesian words and named-entities	CO-Author	Heliyon; ISSN: 24058440; Vol:8; No:11; Tahun: 2022	10.1016/j.heliyon.2022.e11922
Stemmer and phonotactic rules to improve n-gram tagger-based Indonesian phonemicization	Co-Author	Journal of King Saud University - Computer and Information Sciences; ISSN: 13191578; Vol:34; No:6; Tahun: 2021	10.1016/j.jksuci.2021.01.006
The Performance Evaluation of Transfer Learning VGG16 Algorithm on Various Chest X-ray Imaging Datasets for COVID-19 Classification	Corresponding Author	International Journal of Advanced Computer Science and Applications; ISSN: 2158107X; Vol:13; No:9; Tahun: 2022	10.14569/IJACSA.2022.0130923
Enhance Intrusion Detection (IDS) System Using Deep SDAE to Increase Effectiveness of Dimensional Reduction in Machine Learning and Deep Learning	1st Author	International Journal of Intelligent Engineering and Systems; ISSN: 2185310X; Vol:15; No:4; Tahun: 2022	10.22266/ijies2022.0831.13
A performance evaluation of convolutional neural network architecture for classification of rice leaf disease	Corresponding Author	IAES International Journal of Artificial Intelligence; ISSN: 20894872; Vol:10; No:4; Tahun: 2021	10.11591/IJAI.V10.I4.PP1069-1078
Detection of oil palm leaf disease based on color histogram and supervised classifier	Co-Author	Optik; ISSN: 304026; Vol:245; No:; Tahun: 2021	10.1016/j.ijleo.2021.167753
Machine vision for the maturity classification of oil palm fresh fruit bunches based on color and texture features	Co-Author	Scientia Horticulturae; ISSN: 3044238; Vol:286; No:; Tahun: 2021	10.1016/j.scienta.2021.110245
Wrist detection based on a minimum bounding box and geometric features	Corresponding Author	Journal of King Saud University - Computer and Information Sciences; ISSN: 13191578; Vol:32; No:2; Tahun: 2020	10.1016/j.jksuci.2018.05.005

Judul Artikel	Pera n	Jurnal	DOI-URL
Selection of the Best K-Gram Value on Modified Rabin-Karp Algorithm	Co-Author	IJCCS (Indonesian Journal of Computing and Cybernetics Systems) Vol 16, No 1 (2022): January 11-22; ISSN: ; Vol:16; No:1; Tahun: 2022	10.22146/ijccs.63686
Reducing Overhead Of Self-Stabilizing Byzantine Agreement Protocols For Blockchain Using HTTP/3 Protocol: A Perspective View	Co-Author	SINERGI; ISSN: ; Vol:25; No:3; Tahun: 2021	10.22441/sinergi.2021.3.015
Perancangan Sistem Pendukung Keputusan Untuk Prediksi Penerima Beasiswa Menggunakan Metode Neural Network Backpropagation	Co-Author	Jurnal Teknologi Informasi dan Ilmu Komputer; ISSN: ; Vol:5; No:2; Tahun: 2018	10.25126/jtiik.201852631
Analisa Performa Penggunaan Feature Selection untuk Mendeteksi Intrusion Detection Systems dengan Algoritma Random Forest Classifier	Co-Author	Sistemasi: Jurnal Sistem Informasi; ISSN: ; Vol:10; No:3; Tahun: 2021	10.32520/stmsi.v10i3.1550

○ Pubs. International
Confereces
(Scopus indexed)

Analisis Perbandingan Akurasi Algoritma Naive Bayes dan C4.5 untuk Klasifikasi Diabetes	Co-Auth or	Jurnal Pendidikan Informatika (EDUMATIC); ISSN: ; Vol:5; No:2; Tahun: 2021	10.29408/edumatic.v5i2.3424
Evaluasi Penerapan Senayan Library Management System (SLIMS) Di (UNIKA) Soegijapranata Semarang	Co-Auth or	Jurnal Penelitian dan Pengabdian Kepada Masyarakat UNSIQ; ISSN: ; Vol:4; No:1; Tahun: 2017	10.32699/ppkm.v4i1.404
Optimasi Algoritma Naive Bayes Classifier Untuk Mendeteksi Anomaly Dengan Univariate Fitur Selection	Co-Auth or	Jurnal Pendidikan Informatika (EDUMATIC); ISSN: ; Vol:4; No:2; Tahun: 2020	10.29408/edumatic.v4i2.2443
Indeks Penilaian Keamanan Informasi Untuk Mengukur Kematangan Manajemen Keamanan Layanan Ti (Studi Kasus Bpmp Kabupaten Gresik)	Co-Auth or	Informasi Interaktif; ISSN: ; Vol:3; No:1; Tahun: 2018	10.29408/edumatic.v4i2.2443
Analisis Kualitas Website E-Government Menggunakan Metode Webqual Pada Pemerintah Daerah Morowali	Co-Auth or	Informasi Interaktif; ISSN: ; Vol:3; No:1; Tahun: 2018	10.29408/edumatic.v4i2.2443
Desain Sistem Manajemen Server Database Secara Remote Control Berbasis Vpn (Virtual Private Network)	Co-Auth or	KURVATEK; ISSN: ; Vol:3; No:1; Tahun: 2018	10.33579/krvtk.v3i1.752
Evaluasi Kualitas Website Pemerintah Daerah Dengan Menggunakan WebQual 4.0 Pada Instansi Pemerintahan ABC	Co-Auth or	Jurnal Teknologi Informasi dan Komunikasi (TIKOMSiN); ISSN: ; Vol:8; No:2; Tahun: 2020	10.30646/tikomsin.v8i2.468
DETEKSI SKEMA PONZI PADA BLOCKCHAIN MENGGUNAKAN ALGORITMA ADABOOST	Co-Auth or	Technologia : Jurnal Ilmiah; ISSN: ; Vol:13; No:2; Tahun: 2022	10.31602/tji.v13i2.6338

Judul Artikel	Peran	Prosiding	DOI-URL
Gray Level Co-Occurrence Matrix Algorithm and Backpropagation Neural Networks for Herbal Plants Identification	Corresponding Author	ICOIACT 2022 - 5th International Conference on Information and Communications Technology: A New Way to Make AI Useful for Everyone in the New Normal Era, Proceeding; ISBN: 9780000000000; Tahun: 2022	10.1109/ICOIACT55506.2022.9972087
Automatic Indonesian Image Captioning using CNN and Transformer-Based Model Approach	Corresponding Author	ICOIACT 2022 - 5th International Conference on Information and Communications Technology: A New Way to Make AI Useful for Everyone in the New Normal Era, Proceeding; ISBN: 9780000000000; Tahun: 2022	10.1109/ICOIACT55506.2022.9971855
Genetic Algorithm and K-Nearest Neighbors for Oil Palm Leaf Disease Classification	Corresponding Author	ICOIACT 2022 - 5th International Conference on Information and Communications Technology: A New Way to Make AI Useful for Everyone in the New Normal Era, Proceeding; ISBN: 9780000000000; Tahun: 2022	10.1109/ICOIACT55506.2022.9971854

Prediction of the Spread of Covid-19 in Indonesia Using the SEIRD Model and Hybrid Model with ARIMA Correction	Co-Author	APICS 2022 - 2022 1st International Conference on Smart Technology, Applied Informatics, and Engineering, Proceedings; ISBN: 9780000000000; Tahun: 2022	10.1109/APICS56469.2022.9918765
Diagnose Pest and Disease of Black Orchid Plant Using Naive Bayes Method	Co-Author	Proceedings - 2021 IEEE 7th Information Technology International Seminar, ITIS 2021; ISBN: 9781665408073; Tahun: 2021	10.1109/ITIS53497.2021.9791647
Segmentation of Brain Tumor Objects in Magnetic Resonance Imaging (MRI) Image using Connected Component Label Algorithm	Co-Author	2021 International Conference on Advanced Mechatronics, Intelligent Manufacture and Industrial Automation, ICAMIMIA 2021 - Proceeding; ISBN: 9781665499699; Tahun: 2021	10.1109/ICAMIMI A54022.2021.9807692
Accent Recognition by Native Language Using Mel-Frequency Cepstral Coefficient and K-Nearest Neighbor	Co-Author	2020 3rd International Conference on Information and Communications Technology, ICOIACT 2020; ISBN: 9781728173566; Tahun: 2020	10.1109/ICOIACT50329.2020.9332026
An Implementation of C4.5 Classification Algorithm to Analyze student's Performance	Co-Author	2020 3rd International Conference on Information and Communications Technology, ICOIACT 2020; ISBN: 9781728173566; Tahun: 2020	10.1109/ICOIACT50329.2020.9332088
Detection of CT - Scan Lungs COVID-19 Image Using Convolutional Neural Network and CLAHE	Co-Author	2020 3rd International Conference on Information and Communications Technology, ICOIACT 2020; ISBN: 9781728173566; Tahun: 2020	10.1109/ICOIACT50329.2020.9332069
Identification of Disease in Potato Leaves Using Convolutional Neural Network (CNN) Algorithm	Co-Author	2020 3rd International Conference on Information and Communications Technology, ICOIACT 2020; ISBN: 9781728173566; Tahun: 2020	10.1109/ICOIACT50329.2020.9332037
Improvement of decision tree classifier accuracy for healthcare insurance fraud prediction by using Extreme Gradient Boosting algorithm	Co-Author	Proceedings - 2nd International Conference on Informatics, Multimedia, Cyber, and Information System, ICIMCIS 2020; ISBN: 9781728191676; Tahun: 2020	10.1109/ICIMCIS51567.2020.9354286
Optimization Convolutional Neural Network for Classification Diabetic Retinopathy Severity	Co-Author	2020 3rd International Conference on Information and Communications Technology, ICOIACT 2020; ISBN: 9781728173566; Tahun: 2020	10.1109/ICOIACT50329.2020.9332087
Performance Comparison of Mushroom Types Classification Using K-Nearest Neighbor Method and Decision Tree Method	Co-Author	2020 3rd International Conference on Information and Communications Technology, ICOIACT 2020;	10.1109/ICOIACT50329.2020.9332148

		ISBN: 9781728173566; Tahun: 2020	
A comparison of the use of several different resources on lexicon based Indonesian sentiment analysis on app review dataset	Co-Author	Proceeding - 2019 International Conference of Artificial Intelligence and Information Technology, ICAIIT 2019; ISBN: 9781538684481; Tahun: 2019	10.1109/ICAIIIT.2019.8834531
An optimization of a lexicon based sentiment analysis method on Indonesian app review	Co-Author	2019 4th International Conference on Information Technology, Information Systems and Electrical Engineering, ICITISEE 2019; ISBN: 9781728151182; Tahun: 2019	10.1109/ICITISEE48480.2019.9003900
Analysis of Inverse Kinematics Method for Human Movement in 2D Animation	Co-Author	2019 1st International Conference on Cybernetics and Intelligent System, ICORIS 2019; ISBN: 9781728114729; Tahun: 2019	10.1109/ICORIS.2019.8874870
Citation detection on scientific journal using support vector machine	Co-Author	2019 International Conference on Information and Communications Technology, ICOIACT 2019; ISBN: 9781728116556; Tahun: 2019	10.1109/ICOIACT46704.2019.8938522
Optimization of weight backpropagation with particle swarm optimization for student dropout prediction	Co-Author	2019 4th International Conference on Information Technology, Information Systems and Electrical Engineering, ICITISEE 2019; ISBN: 9781728151182; Tahun: 2019	10.1109/ICITISEE48480.2019.9004032
The application of extended weighted tree similarity algorithm for similarity searching	Co-Author	2019 International Conference on Information and Communications Technology, ICOIACT 2019; ISBN: 9781728116556; Tahun: 2019	10.1109/ICOIACT46704.2019.8938468
The best features selection method and relevance variable for web phishing classification	Co-Author	2019 International Conference on Information and Communications Technology, ICOIACT 2019; ISBN: 9781728116556; Tahun: 2019	10.1109/ICOIACT46704.2019.8938566
The effect of feature selection on classification algorithms in credit approval	Co-Author	2019 International Conference on Information and Communications Technology, ICOIACT 2019; ISBN: 9781728116556; Tahun: 2019	10.1109/ICOIACT46704.2019.8938523
The impact of using domain specific features on lexicon based sentiment analysis on Indonesian app review	Co-Author	2019 International Conference on Information and Communications Technology, ICOIACT 2019; ISBN: 9781728116556; Tahun: 2019	10.1109/ICOIACT46704.2019.8938419
Designing Decision Support System for Scholarship Prediction Using Adaptive Neuro Fuzzy Inference System Algorithm	Co-Author	Journal of Physics: Conference Series; ISBN: ; Tahun: 2018	10.1088/1742-6596/1140/1/012049

○ Books

Judul Buku	Th.	Page	ISBN	Penerbit	URL
 Evolutionary Machine Learning: Pembelajaran Mesin Otonom Berbasis Komputasi Evolusioner	2020		9786237131380	Informatika	Di sini
 Pemrograman Database Dengan Visual Basic Dan Microsoft SQL	2007	258	9789792900590	Andi Publisher	Di sini
 Membangun Web dengan Teknologi Asynchrone JavaScript dan XML	2008	226	9789792902228	Andi Publisher	Di sini
 Adobe Flash + XML = Rich Multimedia Application	2010	292	9789792913880	Andi Publisher	Di sini

○ HKI
(Hak Kekayaan Intelectual)

Judul/Tema HKI	Thn.	Jenis KI	Nomor	PID	Status	URL
Deteksi Penyakit Tanaman Kentang Berdasarkan Citra Daun Menggunakan Algoritma InceptionV3	2022	Hak Cipta	EC00202254206	000369939	Granted	Di sini
Model Augmentasi Data Citra Daun Kentang	2022	Hak Cipta	EC00202276352	000392093	Granted	Di sini
NEURO DESK: Platform Otomatisasi Perutean Tiket	2022	Hak Cipta	EC00202273462	000389203	Granted	Di sini
Deteksi COVID-19 Berdasarkan Citra X-Ray Dada	2022	Hak Cipta	EC00202227512	000343016	Granted	Di sini
Decentralized Exchanger	2021	Hak Cipta	EC00202113423	000240639	Granted	Di sini
Pathogen Visual Intelligence	2021	Hak Cipta	EC00202105796	000233998	Granted	Di sini
EVOLUTIONARY MACHINE LEARNING - Pembelajaran Mesin Otonom Berbasis Komputasi Evolusioner	2021	Hak Cipta	EC00202106845	000233389	Granted	Di sini
Contactless Vital Monitoring	2020	Hak Cipta	EC00202036953	000216920	Granted	Di sini
V-Track: Online Vehicle Tracking System	2011	Hak Cipta	C22200900075	050610	Granted	Di sini

○ Research
(di Danai Kemenristekdikti)

Judul	Tahun	Dana
Otomatisasi Deteksi Jari Menggunakan Pendekatan Sendi Metacarpophalangeal Dan Fitur Geometri Untuk Pengenalan Gestur Tangan (PDD)	2016-2017	52.500.000
Sistem Deteksi Penyakit Tanaman Kentang Berdasarkan Citra Daun Berbasis Deep Learning untuk Mendukung Pertanian Cerdas (PTUPT)	2022-2024	458.300.000

- Awards
(dari pemerintah, asosiasi atau institusi lainnya)

Award	Pemberi	Tahun	Dana
Insentif Paper "Wrist detection based on a minimum bounding box and geometric features" Q1	Ristek-BRIN	2019	20.520.000
Piagam Penghargaan Judul Karya V-Track Sebagai Pemenang I Kategori Research and Development AMIKOM ICT Award (AMICTA)	STMIK AMIKOM Yogyakarta	2009	-
Sertifikat Penghargaan Sebagai Nominator Kategori Research and Development Indonesia ICT Award (INAICTA) dengan karya "V-Track: Online Vehicles Tracking System"	DEPKOMINFO (INAICTA 2009)	2009	-
Sertifikat Penghargaan Sebagai Juri pada Kegiatan AMIKOM ICT Award 2013	STMIK AMIKOM YOGYAKARTA	2009	-
Sertifikat Penghargaan Sebagai Peserta Paper Terbaik SNATi 2013	UII (SNATi 2013)	2013	-

- Editor

Nama Jurnal	Alamat Jurnal	Publisher	Quartile	Type
Matrik : Jurnal Manajemen, Teknik Informatika, dan Rekayasa Komputer	https://journal.universitasbumigora.ac.id/index.php/matrik	Universitas Bumigora	SINTA 2	Journals
Creative Information Technology Journal	https://citec.amikom.ac.id/main/index.php/citec	Universitas Amikom Yogyakarta	None	Journals

- Reviewer

Nama Jurnal	Alamat Jurnal	Publisher	Quartile	Type
Applied Artificial Intelligence	https://www.tandfonline.com/toc/uai20/current	Taylor and Francis Group	Q3	Journals
Scientific Data	https://www.nature.com/sdata/	Nature Publishing Group	Q1	Journals
Indonesian Journal of Electrical Engineering and Computer Science	https://ijeecs.iaescore.com/index.php/IJECS	Institute of Advanced Engineering and Science (IAES)	Q3	Journals
Computer and Electronics in Agriculture	https://www.sciencedirect.com/journal/computers-and-electronics-in-agriculture	Elsevier	Q1	Journals
Jurnal Telematika dan Teknologi Informasi	http://jurnal.upnyk.ac.id/index.php/telematika/index	UPN Veteran Yogyakarta	SINTA 3	Journals
Journal of Environmental Science and Sustainable Development	https://scholarhub.ui.ac.id/jessd/	Universitas Indonesia	SINTA 2	Journals
Cybernetics and Systems	https://www.tandfonline.com/journals/ucbs20	Taylor and Francis Ltd.	Q3	Journals
International Journal of Artificial Intelligence Research	https://ijair.id/index.php/ijair	STMIK Dharma Wacana	SINTA 2	Journals
International Conference on Information Technology,	https://icitisee.org/icitisee-2019/	IEEE	Inter. Conferences	Conferences

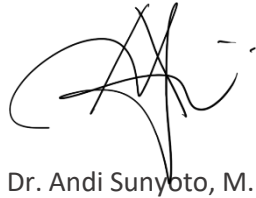
Information Systems and Electrical Engineering				
International Conference on Information Technology, Information Systems and Electrical Engineering	https://icitisee.amikompurwokerto.ac.id/	IEEE	Inter. Conferen ces	Confere nces
International Conference on Information Technology, Information Systems and Electrical Engineering	https://icitisee.org/	IEEE	Inter. Conferen ces	Confere nces
International Conference on Information and Communications Technology		IEEE	Inter. Conferen ces	Confere nces
International Conference on Information and Communications Technology	https://icoiact.org/	IEEE	Inter. Conferen ces	Confere nces
International Conference on Information and Communications Technology	https://icoiact.org/	IEEE	Inter. Conferen ces	Confere nces
International Conference on Information and Communications Technology	https://21.icoiact.org/	IEEE	Inter. Conferen ces	Confere nces
International Conference on Information and Communications Technology	https://22.icoiact.org/	IEEE	Inter. Conferen ces	Confere nces
International Conference on Informatics and Computational Sciences	https://icicos.org/2020/	IEEE	Inter. Conferen ces	Confere nces
International Conference on Informatics and Computational Sciences	https://icicos.org/	IEEE	Inter. Conferen ces	Confere nces
International Conference on Informatics and Computational Sciences	https://icicos.org/2022/	IEEE	Inter. Conferen ces	Confere nces
International Seminar on Research of Information Technology and Intelligent Systems	https://isriti.akakom.ac.id/	IEEE	Inter. Conferen ces	Confere nces
International Seminar on Research of Information Technology and Intelligent Systems	https://isriti.akakom.ac.id/	IEEE	Inter. Conferen ces	Confere nces
International Conference Information System & Information Technology	https://icisit.org/	IEEE	Inter. Conferen ces	Confere nces
International Conference on Cybernetics and Intelligent Systems	http://2020.icoris.org/	IEEE	Inter. Conferen ces	Confere nces

○ Com.Services

Thn	Judul	Sumber	Dana
2021	Pemanfaatan Teknologi untuk Visual Multimedia di Lingkungan DITBINMAS POLDA DIY Sesi 2	Polda DIY	7.000.000
2021	Narasumber Pada Kegiatan Fullboard Persiapan Pembukaan Program Studi Baru di Lingkungan Fakultas Ilmu Komputer Universitas Pembangunan Nasional Veteran Jakarta	Institusi	4.000.000
2020	Pemanfaatan Teknologi Augmented Reality untuk Membantu Proses Belajar dan mengajar Anak-Anak Usia Dini di Masa Pandemi Covid-19	Institusi	4.000.000

2019	Implementasi Aplikasi Pengelolaan Data “Curriculume Vitae’ Personil Pada resimen Chandradimuka Akademi TNI Magelang	Institusi	5.000.000
2019	Pelatihan Penggunaan Ms. Excel untuk Pengelolaan Data Tahap Pemula di Lingkungan Resimen Chandra Dimuka Magelang.	Institusi	5.000.000
2016	Pengenalan Office dan Internet untuk Guru PAUD Kec. Mlati, Sleman, Yogyakarta	Institusi	5.000.000

Demikian biodata ini saya buat dengan sebenarnya.



Dr. Andi Sunyoto, M. Kom