CURRICULUM VITAE RESEARCHERS

PERSONAL IDENTITY

Name	:	Dr. I Gede Susrama Mas Diyasa, ST., MT., IPU
NIDN/NIP/NIK	:	0019067008/197006192021211009/3700606402101
Place and date of birth	:	Bungkulan, 19 Juni 1970
Gender	:	Male
Marital status	:	Get married
Functional Position	:	Lektor
Golongan / Pangkat	:	Penata Muda TK I / IIIb
Academic Position	:	Lecturer in Master of Information Technology-Faculty of Computer Science – UPN "Veteran" Jawa Timur
Structural Position	:	Vice Dean I
College	:	UPN "Veteran" Jawa Timur
Office address	:	Jalan Rungkut Madya Gunung Anyar Surabaya
Telp/Facs	:	0318796257
Home address	:	Jalan Gunung Anyar Jaya III, Perum. New Syandana A9 Surabaya
Telp/HP/Facs	:	081999471017
Email address	:	Igsusrama.if@upnjatim.ac.id
Produced Graduates	:	S-1= 22 College student
Taught Courses	:	1. ERP (Enterprice Resource Planning)
		2. Metode Penelitian (Research Methods)
		3. Bela Negara (State Defending)
		4. Kepemimpinan (Leadership)
		5. Pengenalan Pola (Pattern recognition)
		6. Sistem Operasi (Operation System)
		7. Basis Data (Database)
		8. Pembelajaran Mesin (Machine Learning)
		9. Elemen Kecerdasan Buatan (Elements of Artificial Intelligence)
ID Scopus	:	57189690019
ID Sinta	:	5977757
ID Google Scholar	:	-KS9t4QAAAAJ

HISTORY OF HIGH EDUCATION EDUCATION

	S-1	S-2	S-3
College Name	ITATS (Institut Teknologi Adhi Tama Surabaya)	ITS (Institut Teknologi Sepuluh November) Surabaya	ITS (Institut Teknologi Sepuluh November) Surabaya
Bidang Ilmu	Electrical Engineering	Informatics Engineering	Electrical Engineering
Graduation year	1993	2000	2019
Title of Thesis/Thesis/ Dissertation	Sistem Pengaturan Temperatur Dengan Menggunakan Kontrol PID (Temperature Control System Using PID Control)	Rancang Bangun Perangkat Lunak Sistem Pengaturan Dengan Modeling Objek (Management System Software	Identifikasi Ketidaknormalan Motiliti Spermatozoa Menggunakan Metode Support Vector Machine Dan Logika Fuzzy (Identification of

		Design with Object Modeling)	Abnormal Spermatozoa Motility Using Support Vector Machine Method and Fuzzy Logic)
Name of Advisor/Promoter	Ir. Paulus karmain	Prof. Dr. Ir. Drs.ec. Riyannarto sarno, Phd	Prof. Dr. Mauridhi Hery Purnomo, M.Eng Dr. I Ketut Eddy Purnama, ST., MT.

PROFESSIONAL TRAINING

Year	Type of Training (Domestic/International) Study program	Organizer	Time Period
2021	Certified Risk Associate (CRA) and Certified Professional (CRP) Certifications	PT. Hutama Hanriz Indonesia dan LSP-PM	36 Hours
2021	State Defense Lecturer Workshop	UPN Veteran Jakarta	42 Hours
2020	Primary Professional Engineer Certification	BKSTI	36 Hours

TEACHING EXPERIENCES

Courses	Education Programs	Institution/Department/ Undergraduate Program	Academic year
Kepemimpinan (Leadership)	S1-MKDU	All Undergraduate Program -UPN Veteran Jawa Timur	Even 2021/2022
Bela Negara (State Defending)	S1-MKDU	All Undergraduate Program -UPN Veteran Jawa Timur	Odd 2021/2022
Pengenalan Pola (Pattern recognition)	S1	Undergraduate Program in Informatic-UPN Veteran Jawa Timur	Odd 2021/2022
Metode Penelitian (Research Methods)	S1	Undergraduate Program in Information System-UPN Veteran Jawa Timur	Odd 2021/2022
Sistem Informasi Manajemen Penerbangan (Aviation Management Information System)	D-3	Air Transportation Management Study Programme -Poltekbang Surabaya	Odd 2021/2022
Sistem Operasi (Operation System)	S-1	Information System Study	Odd 2021/2022

		Programme-UPN Veteran Jakarta	

NG MATERIALS PRODUCTS

Courses	Education Programs	Jenis Bahan Ajar (Cetak dan Non Cetak)	Sem/Tahun Akademik
Enterprise Resource Planning **(Buku Ajar)**	S1-Informatics Study Program	Print ISBN: 978-623-6133-82-8	Odd/2021-2020
Metode Penelitian **(Buku Diktat)**	S1- Informatics Study Program S1- Information Systems Study Program	Non-Print	Even/2020-2021

RESEARCH EXPERIENCES (Last 5 Years)

Year	Research Title	Team Leader/Member	source of funding
2017	Menghitung Jumlah Spermatozoa Aktif Per-Frame Video Pada Semen Manusia Dengan Menggunakan Metode Background Substraction (*Calculating the number of active spermatozoa per video frame in human semen using background subtraction method*)	Ketua (Leader)	Hibah Doktor (Doctoral Grant) – DIKTI Rp. 48.000.000.-
2020	Sistem Terintegrasi Uji Sertifikasi Kompetensi Online Berbasis Web Dan Android (*Web and Android Based Online Competency Certification Test Integrated System*) https://intip.in/Hibahsitukv1	Ketua (Leader)	Penelitian Mandiri (Self-Directed Research) UPN Veteran Jatim-Riset Terapan (Year 1) Rp. 27.000.000
2021	Sistem Terintegrasi Uji Sertifikasi Kompetensi Online Berbasis Web Dan Android (*Web and Android Based Online Competency Certification Test Integrated System*) https://intip.in/LaporanSITUKV2	Ketua (Leader)	Penelitian Mandiri (Self-Directed Research) UPN Veteran Jatim-Riset Terapan (Year 2) Rp. 23.500.000

2021	Analisis Penentuan Perilaku Abnormal Narapidana Dalam Penjara Sebagai Pencegahan Tindak Kekerasan Berbasis Gerakan Avatar Dengan Mengunakan Metode Motion History Image Dan Deep Learning (*Analysis of Determining Abnormal Behavior of Prisoners in Prison as Prevention of Violence Based on Avatar Movement Using Motion History Image and Deep Learning Methods*) https://intip.in/LaporanDRPMrtg	Ketua (Leader)	Hibah Penelitian Dasar (Basic Research Grant) – DIKTI Rp. 98.350.000.-
2021	Bali Backpacker Sebagai Platform Panduan Lengkap Berwisata Ke Bali Dengan Dwibahasa (Indonesia Dan Inggris) Untuk Pemulihan Pariwisata Bali Pada Masa New Normal Covid-19 (*Bali Backpacker as a Complete Travel Guide Platform with Bilingual (Indonesian and English) for Bali Tourism Recovery during the New Normal Covid-19 Period*) https://intip.in/LaporanBALIidhethon	Ketua (Leader)	Hibah Penelitian Penugasan Kajian Kebijakan Strategis(Assignment Research Grant Strategic Policy Studies) – DIKTI Rp. 59,774,500
2021	Aplikasi Enterprice Resource Planning (*Enterprice Resource Planning Application*) https://intip.in/bukuajarERP https://intip.in/LaporanBUKUAJAR	Ketua (Leader)	Penelitian Mandiri (Self-Directed Research) UPN Veteran Jatim-Hibah Uber Buku (Book Uber Grant) Rp. 7.000.000
2021	Peningkatan Kapasitas Produksi Dan Aspek Keamanan Pangan Produk Olahan Bebek, Ayam, Dan Sambal Menuju Sertifikasi ISO 22000:2018 Untuk Menembus Pasar Global (*Increasing Production Capacity and Food Safety Aspects of Processed Duck, Chicken and Sambal Products Towards ISO 22000:2018 Certification to Penetrate the Global Market*)	Anggota-1 (1st Member)	Program Matching Fund (*Matching Fund Program*)-Kedaireka Kemendikbud 2021 Rp. 467.500.000,-

https://intip.in/LaporanMATCHINGfund2021	

COMMUNITY SERVICE EXPERIENCE (Last 5 Years)

Year	Title of Community Service	Team Leader/Member	Sumber Dana
2020	Implementasi Aplikasi Sintaranum-19 Di Pelabuhan Ketapang Gilimanuk (*Implementation of Sintaranum-19 Application at Ketapang Gilimanuk Port*) https://intip.in/laporanBIMA2020	Ketua (Leader)	Pengabdian Masyarakat Mandiri UPN Veteran Jatim (*Self-directed Community Service UPN Veteran Jatim*)-Bakti Inovasi Bagi Masyarakat (BIMA) Rp. 43.000.000
2021	Pembelajaran Internet Of Things Dengan Modul Trainer Esp32 Di Smkn 1 Dlanggu Kabupaten Mojokerto (*Learning Internet Of Things with Esp32 Trainer Module in Smkn 1 Dlanggu Mojokerto Regency*) https://intip.in/LaporanPIKAT2021	Ketua (Leader)	Pengabdian Masyarakat Mandiri UPN Veteran Jatim *Self-directed Community Service UPN Veteran Jatim*)-Pemanfaatan Iptek Bagi Masyarakat (PIKAT) Rp. 6.000.000
2021	Pelatihan Internet Of Things Untuk Keperluan Di Kantor MTC (*Internet Of Things Training for MTC Office Needs*) https://intip.in/LaporanABMASMTC	Ketua & Pemateri (Leader & Speaker)	Pengabdian Masyarakat Dana Fakultas Ilmu Komputer (Community Service Fund for Faculty of Computer Science) Rp. 5.000.000

SCIENTIFIC WORK (Last 5 Years)

A. Book/Chapter Book/Journal		
A.1. Indexed International Journal		
Year	**Title**	**Name of Journal**
2018	A new method to improve movement tracking of human sperms	IAENG International Journal of Computer Science

Year	Title	Name of Journal
	http://www.iaeng.org/IJCS/issues_v45/issue_4/IJCS_45_4_05.pdf	2018 | **Volume:** 45 | **ISSN:** 1819-9224 (online version); 1819-656X (print version) Scopus Q2
2020	Mixture gaussian V2 based microscopic movement detection of human spermatozoa DOI: https://doi.org/10.26555/ijain.v6i2.507 https://ijain.org/index.php/IJAIN/article/view/507/ijain_v6i2_p201-222	International Journal of Advances in Intelligent Informatics 2020 | **Volume:** 6 (2) | **ISSN:** 2548-3161 (online version); 2442-6571 (print version) Scopus Q3

A.2. International Journal

Year	Title	Name of Journal
2020	QR-Barcode Application for Barrier Gate Opener based on Android DOI: https://doi.org/10.33005/ijconsist.v2i1.37 https://ijconsist.org/index.php/ijconsist/article/view/37/32	International Journal of Computer, Network Security and Information System 2020 | **Volume:** 2 (1) | **ISSN:** 2686-3480
2020	Daily Forecasting for Antam's Certified Gold Bullion Prices in 2018-2020 using Polynomial Regression and Double Exponential Smoothing DOI: https://doi.org/10.32535/jicp.v3i4.1009 http://ejournal.aibpm.org/index.php/JICP/article/view/1009/942	Journal of International Conference Proceedings (JICP) 2020 | **Volume:** 3 (4) | [ISSN 2622-0989 (Print)](#) ISSN: 2621-993X (Online)
2021	Geometric Brownian Motion and Value at Risk For Analysis Stock Price Of Bumi Serpong Damai Ltd DOI: https://doi.org/10.33005/ijdasea.v1i1.3 http://ijdasea.upnjatim.ac.id/index.php/ijdasea/article/view/3/2	Internasional Journal of Data Science, Engineering, and Anaylitics 2021 | **Volume:** 1 (1) | **ISSN:** 2807-1689 (online version); 2798-9208 (print version)
2021	Word Search on the" SITUK" Application Using the Levenshtein Distance Algorithm DOI: https://doi.org/10.33005/ijdasea.v1i2.13 http://ijdasea.upnjatim.ac.id/index.php/ijdasea/article/view/13/26	Internasional Journal of Data Science, Engineering, and Anaylitics 2021 | **Volume:** 1 (2) | **ISSN:** 2807-1689 (online

Year	Title	Name of Journal
		version); 2798-9208 (print version)
2021	Integrated System for Evaluation of Implementation of Internal Quality Audits and ISO 9001; 2015 Case Study: Universitas Pembangunan Nasional "Veteran" Jawa Timur DOI: https://doi.org/10.33005/ijdasea.v1i2.15 http://ijdasea.upnjatim.ac.id/index.php/ijdasea/article/view/15/29	Internasional Journal of Data Science, Engineering, and Anaylitics 2021 | **Volume:** 1 (2) | **ISSN:** 2807-1689 (online version); 2798-9208 (print version)

A.3. Sinta Indexed National Journal		
Year	**Title**	**Name of Journal**
2017	Counting Sperma Aktif Menggunakan Metode Otsu Threshold Dan Local Adaptive Threshold (*Active Sperm Counting Using Otsu Threshold and Local Adaptive Threshold Methods*) **https://e-journal.umaha.ac.id/index.php/teknika/article/view/68/88**	Teknika: Engineering and Sains Journal **SINTA-4** 2017| Volume 1, Number 1, Juni 2017, 47-54| **ISSN Online 2579-5422 ISSN Print 2580-4146**
2018	Modified Background Subtraction Statistic Models for Improvement Detection and Counting of Active Spermatozoa Motility DOI: https://doi.org/10.24843/LKJITI.2018.v09.i01.p04 https://ojs.unud.ac.id/index.php/lontar/article/view/38136/24095	Lontar Komputer: Jurnal Ilmiah Teknologi Informasi (*Scientific Journal of Information Technology*) **SINTA-2** 2018 | **Volume:** 9 (1) | **ISSN: [ISSN Print 2088-1541] [ISSN Online 2541-5832]**
2019	Sistem Informasi Enterprise Resource Planning (ERP) Untuk Menunjang Pembayaran SPP (*Enterprise Resource Planning (ERP) Information System to Support Tuition Payment*) https://e-journal.umaha.ac.id/index.php/teknika/article/view/395/pdf	Teknika: Engineering and Sains Journal **SINTA-4** 2019| Volume 3, Number 1, Juni 2017, 47-54| **ISSN 2579-5422 online ISSN 2580-4146 print**
2019	Rancang Bangun Aplikasi "W-Mass (Weight Monitor Assistant)" Berbasis Android Stu-dio Dengan Bahasa Native Java (*Design of W-Mass with Weight Monitor Assistant*	Jurnal Penelitian Politeknik Penerbangan Surabaya (*Research Journal*

	Application Based on Android Stu-dio with Java Native Language) DOI: https://doi.org/10.46491/jp.v4i2.291 https://ejournal.poltekbangsby.ac.id/index.php/jurnalpenelitian/article/view/291/255	*Aviation Polytechnic of Surabaya*) **SINTA-5** 2019| Volume 4, No. 2 **[ISSN: 2622-5948; e-ISSN: 2622-5948]**
2020	Pemilihan Kegiatan Organisasi Mahasiswa Menggunakan Algoritma Probabilitas Bayes (Selection of Student Organization Activities Using Bayes Probability Algorithm) https://ejournal.undiksha.ac.id/index.php/janapati/article/view/23032/pdf file:///Users/gede/Downloads/23032-39779-1-PB.pdf	Jurnal Nasional Pendidikan Teknik Informatika (*National Journal of Informatics Education*): JANAPATI **SINTA-3** 2020 | **Volume:** 9 (1) | ISSN 2089-8673 (Print) | ISSN 2548-4265 (Online)
2020	Counting the Number of Active Spermatozoa Movements Using Improvement Adaptive Background Learning Algorithm *DOI* https://doi.org/10.29099/ijair.v4i1.94 http://ijair.id/index.php/ijair/article/view/94/pdf	International Journal of Artificial Intelligence Research **SINTA-2** 2020 | **Volume:** 4 (1) | **ISSN: [ISSN** 2579-7298**]**
2020	Graph-QL Responsibility Analysis at Integrated Competency Certification Test System Base on Web Service DOI: https://doi.org/10.24843/LKJITI.2020.v11.i02.p05 https://ojs.unud.ac.id/index.php/lontar/article/view/62931/36753	Lontar Komputer: Jurnal Ilmiah Teknologi Informasi (*Scientific Journal of Information Technology*) **SINTA-2** 2020 | **Volume:** 11 (2) | **ISSN: [ISSN Print 2088-1541] [ISSN Online 2541-5832]**
2020	Sistem Terintegrasi Uji Kompetensi Lembaga Sertifikasi Profesi (Integrated System of Competency Test of Professional Certification Institution) https://doi.org/10.46491/jp.v5i3.503 https://ejournal.poltekbangsby.ac.id/index.php/jurnalpenelitian/article/view/503/436	Jurnal Penelitian Politeknik Penerbangan Surabaya (*Research Journal Aviation Polytechnic of Surabaya*) **SINTA-5** 2020| Volume 5, No. 3 **[ISSN: 2622-5948; e-ISSN: 2622-5948]**

2020	Sistem Informasi Verifikasi Sumpah Advokat Menggunakan Modle Prototype *(Advocate Oath Verification Information System Using Prototype Model)* DOI: https://doi.org/10.46491/jp.v5i4.540 https://ejournal.poltekbangsby.ac.id/index.php/jurnalpenelitian/article/view/540/479	Jurnal Penelitian Politeknik Penerbangan Surabaya (*Research Journal Aviation Polytechnic of Surabaya* **SINTA-5** 2020| Volume 5, No. 4 **[ISSN: 2622-5948; e-ISSN: 2622-5948]**
2021	Perancangan Alat Pengendalian Lingkungan Greenhouse Berbasis BLYNK *(Design of BLYNK-based Greenhouse Environmental Control Device)* https://doi.org/10.46491/jp.v6i1.548 https://ejournal.poltekbangsby.ac.id/index.php/jurnalpenelitian/article/view/548/481	Jurnal Penelitian Politeknik Penerbangan Surabaya (*Research Journal Aviation Polytechnic of Surabaya* **SINTA-5** 2020| Volume 6, No. 1 **[ISSN: 2622-5948; e-ISSN: 2622-5948]**
2021	Rancangan Perangkat Lunak Outbound Bela Negara Berbasis WEB (*WEB-based State Defense Outbound Software Design*) https://doi.org/10.46491/jp.v6i3.585 https://ejournal.poltekbangsby.ac.id/index.php/jurnalpenelitian/article/view/585/523	Jurnal Penelitian Politeknik Penerbangan Surabaya (*Research Journal Aviation Polytechnic of Surabaya* **SINTA-5** 2020| Volume 6, No. 3 **[ISSN: 2622-5948; e-ISSN: 2622-5948]**
2022	Ant Colony Optimization to Determine The Shortest Route of Tourist Destinations in Bali A Case Study https://doi.org/10.21107/kursor.v11i3 https://kursorjournal.org/index.php/kursor/article/view/279/138	Jurnal Ilmiah Kursor (Kursor Sciencetific Journal) **SINTA-2** 2022I Vol 11 No 3 Page 131-136, **ISSN Online: 2301-6914**
2023	Implementation of Innovation in Integrated Evaluation and Learning System using Outcome-Based Education Ecosystem https://doi.org/10.29138/ijebd.v6i1.2079 https://jurnal.narotama.ac.id/index.php/ijebd/article/view/2079/1465	IJEBD (International Journal of Entrepreneurship and Business Development) **SINTA-4** Vol 6 No: January 2023/ Page 78-83 **[eISSN 2597-4785, pISSN 2597-4750]**

Year	Title	Name of Journal
2023	Soar Analysis on Marketing Strategy Integrated Online Smart Parking System https://doi.org/10.29138/ijebd.v6i1.2134 https://jurnal.narotama.ac.id/index.php/ijebd/article/view/2134/1477	IJEBD (International Journal of Entrepreneurship and Business Development) **SINTA-4** Vol 6 No: January 2023/ Page. 183-189 **[eISSN 2597-4785, pISSN 2597-4750]**

A.4. National Journal

Year	Title	Name of Journal
2019	Identifikasi Plat Nomor Kendaraan Bermotor Menggunakan Metode Multi-Step Image Processing Berbasis Android *(Identification of Motor Vehicle Number Plates Using the Android-Based Multi-Step Image Processing Method)* DOI: https://doi.org/10.31090/narodroid.v5i1.862 https://jurnal.narotama.ac.id/index.php/narodroid/article/view/862/556	e-NARODROID Jurnal Berkala Program Studi Ilmu Komputer (Periodical Journal of Computer Science Study Program) – Narotama University 2019| Volume 5, No. 1 [ISSN: 2407-7712]
2020	Otomatisasi Penentuan Hasil Analisis Sperma Menggunakan Algoritma Decision Tree *(Automated Determination of Sperm Analysis Results Using the Decision Tree Algorithm)* http://jifosi.upnjatim.ac.id/index.php/jifosi/article/view/13/21	Jurnal Informatika dan Sistem Informasi (Journal of Informatics and Information Systems) (JIFoSI) 2020|Vol. 1, No.1. Maret 2020 Online-ISSN: 2722-130X
2021	Sistem Informasi Rekomendasi Paket Produk Pertanian (*Agricultural Product Package Recommendation Information System*) *DOI :* https://doi.org/10.33005/scan.v16i1.2533 http://www.ejournal.upnjatim.ac.id/index.php/scan/article/view/2533/1794#	SCAN - Jurnal Teknologi Informasi dan Komunikasi (*Journal of Information and Communication Technology*) Vol 16, No. 3 (2021) **P-ISSN: 1978-0085** **E-ISSN: 2686-6099**
2021	Aplikasi Permainan Edukasi Anak Mengeja Dalam Bahasa Inggris Spelling & Fun (Educational Game Application for Children Spelling in English Spelling & Fun) DOI: https://doi.org/10.33005/scan.v16i1.2534	SCAN - Jurnal Teknologi Informasi dan Komunikasi (*Journal of Information and Communication Technology*) Vol 16, No. 1 (2021)

	http://ejournal.upnjatim.ac.id/index.php/scan/issue/view/320	P-ISSN: **1978-0085** E-ISSN: **2686-6099**

Year	Title	Name of Proceeding
2016	Automated analysis of human sperm number and concentration (oligospermia) using otsu threshold method and labelling doi:10.1088/1757-899X/105/1/012038 https://iopscience.iop.org/article/10.1088/1757-899X/105/1/012038/pdf	IOP Conference Series: Materials Science and Engineering, Volume 105, International Conference on Engineering and Technology for Sustainable Development (ICET4SD) 2015 11–12 November 2015, Yogyakarta, Indonesia **Indexed: Scopus**
2016	Teratozoospermia classification based on the shape of sperm head using OTSU threshold and decision tree DOI: https://doi.org/10.1051/matecconf/20165803012 https://www.matec-conferences.org/articles/matecconf/pdf/2016/21/matecconf_bisstech2016_03012.pdf	MATEC Web of Conferences **Volume** 58, 2016 The 3rd Bali International Seminar on Science & Technology (BISSTECH 2015) **Indexed: Scopus**
2020	Smart Passenger Information System Based on IoT **DOI:** 10.23919/TRONSHOW48796.2019.9166143 https://ieeexplore.ieee.org/abstract/document/9166143 https://intip.in/Tron2019 (Data Makalah)	**Published in:** 2019 TRON Symposium (TRONSHOW) **Date of Conference:** 11-13 Dec. 2019 **Date Added to IEEE** *Xplore***:** 13 August 2020 **Terindex: Scopus**
2021	Reverse Image Search Analysis Based on Pre-Trained Convolutional Neural Network Model **DOI:** 10.1109/ITIS50118.2020.9321037 https://ieeexplore.ieee.org/abstract/document/9321037	**Published in:** 2020 6th Information Technology International Seminar (ITIS) **Date of Conference:** 14-16 Oct. 2020

	https://intip.in/ITISRevers (Paper Data)	**Date Added to IEEE** *Xplore*: 21 January 2021 **Indexed: Scopus**
2021	Profile Matching Algorithm in Determining the Position of Colleagues doi:10.1088/1742-6596/1844/1/012026 https://iopscience.iop.org/article/10.1088/1742-6596/1844/1/012026/pdf	Published under licence by IOP Publishing Ltd Journal of Physics: Conference Series, Volume 1844, 2020 2nd International Conference on Science & Technology (2020 2nd ICoST) 28 November 2020, Yogyakarta, Indonesia **Indexed: Scopus**
2021	Multi-face Recognition for the Detection of Prisoners in Jail using a Modified Cascade Classifier and CNN https://iopscience.iop.org/article/10.1088/1742-6596/1844/1/012005/pdf doi:10.1088/1742-6596/1844/1/012005	Published under licence by IOP Publishing Ltd Journal of Physics: Conference Series, Volume 1844, 2020 2nd International Conference on Science & Technology (2020 2nd ICoST) 28 November 2020, Yogyakarta, Indonesia **Indexed: Scopus**
2021	Real-time Home Bell Notification Using Node-MCU Through E-mail (Base on the Internet of Things) https://iopscience.iop.org/article/10.1088/1742-6596/1845/1/012007/pdf doi:10.1088/1742-6596/1845/1/012007	Published under licence by IOP Publishing Ltd Journal of Physics: Conference Series, Volume 1845, The International Conference on Industrial Automation, Smart Grid and its Application (ICIASGA) 2020 4-5 November 2020, Jawa Timur, Indonesia **Indexed: Scopus**
2021	Pre-trained Deep Convolutional Neural Network for Detecting Malaria on the Human Blood Smear Images **DOI:** 10.1109/ICAIIC51459.2021.9415183 https://ieeexplore.ieee.org/abstract/document/9415183	**Published in:** 2021 International Conference on Artificial Intelligence in Information and Communication (ICAIIC) **Date of Conference:** 13-16 April 2021

		https://intip.in/ICAIICMalaria (Paper Data)	**Date Added to IEEE** *Xplore*: 29 April 2021 **Indexed: Scopus**
2021	Integrated System of Vehicle and Passenger Manifests in Port Based on IoT **DOI:** 10.1109/ICAIIC51459.2021.9415253 https://ieeexplore.ieee.org/abstract/document/9415253 https://intip.in/ICAIICIOT (Paper Data)	**Published in:** 2021 International Conference on Artificial Intelligence in Information and Communication (ICAIIC) **Date of Conference:** 13-16 April 2021 **Date Added to IEEE** *Xplore*: 29 April 2021 **Indexed: Scopus**
2021	Data Classification of Patient Characteristics Based on Nutritional Treatment Using the K-Nearest Neighbors Algorithm **DOI:** 10.1109/AIMS52415.2021.9466062 https://intip.in/aimsdatapatient (Paper Data) https://ieeexplore.ieee.org/abstract/document/9466062	**Published in:** 2021 International Conference on Artificial Intelligence and Mechatronics Systems (AIMS) **Date of Conference:** 28-30 April 2021 **Date Added to IEEE** *Xplore*: 30 June 2021 **Indexed: Scopus**
2021	Blood Donor Location Scheduling Application Using Geographic Information System https://iopscience.iop.org/article/10.1088/1757-899X/1125/1/012025/pdf doi:10.1088/1757-899X/1125/1/012025	Published under licence by IOP Publishing Ltd IOP Conference Series: Materials Science and Engineering, Volume 1125, Workshop on Environmental Science, Society, and Technology (WESTECH 2020) 16-17 October 2020, Makassar, Indonesia **Indexed: Scopus**
2021	Twitter Sentiment Analysis as an Evaluation and Service Base On Python Textblob	Published under licence by IOP Publishing Ltd IOP Conference Series:

Year	Title	Name of Proceeding
	https://iopscience.iop.org/article/10.1088/1757-899X/1125/1/012034/pdf doi:10.1088/1757-899X/1125/1/012034	Materials Science and Engineering, Volume 1125, Workshop on Environmental Science, Society, and Technology (WESTECH 2020) 16-17 October 2020, Makassar, Indonesia **Indexed: Scopus**
2021	Grasping Adversarial Attacks on Deep Convolutional Neural Networks for Cholangiocarcinoma Classification **DOI:** 10.1109/EHB52898.2021.9657589 https://ieeexplore.ieee.org/abstract/document/9657589	**Published in:** 2021 International Conference on e-Health and Bioengineering (EHB) **Date of Conference:** 18-19 Nov. 2021 **Date Added to IEEE *Xplore*:** 30 December **Indexed: Scopus**
B.2. Prosiding Internasional		
Year	Title	Name of Proceeding
2020	Curriculum Development is Conducted to Improve Competencies of Air Transportation Managemental Study Program for Cadets of Aviation Polytechnic Surabaya DOI: https://doi.org/10.2991/aer.k.201124.013 https://intip.in/IJCSE (Paper Data)	Series:Advances in Engineering Research Proceedings of the International Joint Conference on Science and Engineering (IJCSE 2020) ISBN: 978-94-6239-276-2 ISSN: 2352-5401 Publisher Atlantis Press
2020	Design and Development of Chatbot Using Dialog Flowin Surya Sembada PDAM Surabaya City DOI: https://doi.org/10.2991/aer.k.201124.021 https://intip.in/IJCSEDUA	Series:Advances in Engineering Research Proceedings of the International Joint Conference on Science and Engineering (IJCSE 2020) ISBN: 978-94-6239-276-2 ISSN: 2352-5401 Publisher Atlantis Press

Year	Activity Title		Series/Publication
2020	The Effects of Self-Efficacy on the Competency of Cadets in Aviation Polytechnic of Surabaya DOI: https://doi.org/10.2991/aer.k.201124.024 https://intip.in/DLa0 (Paper Data)		Series:Advances in Engineering Research Proceedings of the International Joint Conference on Science and Engineering (IJCSE 2020) ISBN: 978-94-6239-276-2 ISSN: 2352-5401 Publisher Atlantis Press
2021	Comparative Analysis of Rest and GraphQL Technology on Nodejs-Based Api Development https://nstproceeding.com/index.php/nuscientech/article/view/322/315 http://dx.doi.org/10.11594/nstp.2021.0908		NST Proceeding International Conference Partner **5th International Seminar of Research Month 2020** Volume 2021 ISSN : 2622-9692
2021	Prototype of Integrated Pier Entrance Gate Access With QR-Code as an IOT-Based Manifest Recording System https://doi.org/10.11594/nstp.2021.0942 https://nstproceeding.com/index.php/nuscientech/article/view/364/350		NST Proceeding International Conference Partner **5th International Seminar of Research Month 2020** Volume 2021 ISSN : 2622-9692

CONFERENCE/SEMINAR/WORKSHOP/SYMPOSIUM

Year	Activity Title		Organizer	Organizer/Participant/Speaker
2016	IOP Conference Series: Materials Science and Engineering 105 (1), 012038	Automated analysis of human sperm number and concentration (oligospermia) using otsu threshold	2016, Yogyakarta	Speaker

		method and labelling.		
2016	MATEC Web of Conferences 58, 03012	Teratozoospermia Classification Based on the Shape of Sperm Head Using OTSU Threshold and Decision Tree	2016, Denpasar Bali	Speaker
2018	Nusantara Science and Technology Proceedings, 118-126	Counting the Amount of Spermatozoa Active Perframe Video Using Morphology and Local Adaptive Threshold	2018, UPN Veteran Jawa Timur	Speaker
2019	International Seminar on Application for Technology of Information and Communication (iSemantic)	New Method For Classification Of Spermatozoa Morphology Abnormalities Based On Macroscopic Video Of Human Semen	Publisher-IEEE, 2019, 133-140 Semarang	Speaker
2019	National Seminar SANTIKA 1st	Rancang Bangun Aplikasi INformatif Penyakit Kronis Berbasis Android *(Android-based Chronic Disease Informative Application Design)*	Informatika, UPN Veteran Jawa Timur, 2019, Page. 21-26	Speaker
2019	National Seminar SANTIKA 1st	Analisis Perancangan Sistem Informasi Pengarsipan Dan Disposisi Surat Berbasis Chronological Filling System *(Analysis of the Design of Information System for Filing and Disposition of Letters Based on Chronological Filling System)*	Informatika, UPN Veteran Jawa Timur, 2019, Page. 27-32	Speaker
2019	National Seminar SANTIKA 1st	Pengembangan Sistem Informasi Hasil Analisis Sperma Berbasis WEB *(Development of WEB-based Sperm Analysis*	Informatika, UPN Veteran Jawa Timur, 2019, Page. 132-137	Organizer

		Result Information System)		
2019	National Seminar SANTIKA 1st	Craft Enterprise Robot (CER) berbasis Arduino (*Arduino-based Craft Enterprise Robot (CER)*)	Informatika, UPN Veteran Jawa Timur, 2019, Page. 144-149	Organizer
2019	National Seminar SANTIKA 1st	Sistem Informasi Pembayaran Kpr Di Pt. Nahla Citramulia Grup Berbasis Android Dengan Metode RUP (Rational Unified Process) (*Kpr Payment Information System at Pt. Nahla Citramulia Group Android Based with RUP Method*)	Informatika, UPN Veteran Jawa Timur, 2019, Page. 46-51	Organizer
2019	TRON Symposium (TRONSHOW)	Smart Passenger Information System Based On IoT	Publisher-IEEE, 2019, 1-5 Fukooka-Jepang	Speaker
2020	Seminar Nasional Informatika Bela Negara 1 (National Seminar on State Defense Informatics 1)	Exploratory Data Analysis pada Kasus COVID-19 di Indonesia Menggunakan HiveQL dan Hadoop Environment (*Exploratory Data Analysis on COVID-19 Cases in Indonesia Using HiveQL and Hadoop Environment*)	Informatika, UPN Veteran Jawa Timur, 2020, Page. 115-123	Organizer
2020	Seminar Nasional Informatika Bela Negara 1 (National Seminar on State Defense Informatics 1)	Analisa Performansi Routing Protokol RIPV2 Pada Jaringan VPLS (*Routing Performance Analysis of the RIPV2 Protocol on VPLS Networks*)	Informatika, UPN Veteran Jawa Timur, 2020, Page. 82-86	Organizer
2020	Journal of International Conference	Daily Forecasting for Antam's Certified Gold Bullion Prices	Vol. 3 (4), 2020, Page. 45-53 Online	Speaker

	Proceedings (JICP)	in 2018-2020 using Polynomial Regression and Double Exponential Smoothing		
2020	Journal of Physics: Conference Series	Progressive Parking Smart System in Surabaya's Open Area Based on IoT	IJCST, Surabaya, 2020, Vol. 1569 (2), 022043	Speaker
2020	6th Information Technology International Seminar (ITIS)	Reverse Image Search Analysis Based on Pre-Trained Convolutional Neural Network Model	Publisher-IEEE, 2020, 1-6 Surabaya	Speaker
2020	6th Information Technology International Seminar (ITIS)	Levenshtein Distance Algorithm Analysis on Enrollment and Disposition of Letters Application	Publisher-IEEE, 2020, 198-202 Surabaya	Speaker
2020	Seminar Nasional Informatika Bela Negara 1 (National Seminar on State Defense Informatics 1)	Analisis Perancangan Basis Data Sipam's Berbasis Chronological Filling System (*Analysis of Sipam's Database Design Based on Chronological Filling System*)	Informatika, UPN Veteran Jawa Timur, 2020, Page 10-15	Speaker
2020	Seminar Nasional Informatika Bela Negara 1 (National Seminar on State Defense Informatics 1)	Studi Literatur Mengenai Prediksi Harga Saham Menggunakan Machine Learning (*Literature Study on Stock Price Prediction Using Machine Learning*)	Informatika, UPN Veteran Jawa Timur, 2020, Page. 71-75	Speaker
2020	International Joint Conference on Science and Engineering (IJCSE 2020),	The Effects of Self-Efficacy on the Competency of Cadets in Aviation Polytechnic of Surabaya	IJCSE, Semarang, 2020, Page 130-135	Speaker
2020	International Joint Conference on Science and Engineering (IJCSE 2020),	Design and Development of Chatbot Using Dialog Flowin Surya	IJCSE, Semarang, 2020, Page 114-118	Speaker

		Sembada PDAM Surabaya City		
2020	International Joint Conference on Science and Engineering (IJCSE 2020),	Curriculum Development is Conducted to Improve Competencies of Air Transportation Managemental Study Program for Cadets of Aviation Polytechnique Surabaya	IJCSE, Semarang, 2020, Page 70-74	Speaker

BOOK WRITING EXPERIENCE IN THE LAST 5 YEARS

No	Book Title	Year	Number of Pages	Publisher
1	Sistem Cerdas Penjejakan Obyek Video Spermatozoa (*Intelligent Spermatozoa Video Object Tracking System*) **ISBN:** 978-602-52190-2-3	2018	100	Sejahtera Mandiri
2	Tutorial Sederhana Menggunakan OJS3 (A Simple Tutorial Using OJS3 **ISBN:** 9786237137511	2019	80	Indomedia Pustaka
3	Aplikasi Sistem Terintegrasi Uji Sertifikasi Kompetensi (SITUK) (Competency Test Integrated System) **ISBN: 9786237889977**	2020	90	Indomedia Pustaka
4	Textbook: Interprise Resource Planning **ISBN: 978-623-6133-82-8**	2021	267	Indomedia Pustaka

EXPERIENCE OF PURCHASING INTELLECTUAL PROPERTY RIGHTS (HKI) IN THE PAST 5 - 10 YEARS

No.	Title/Theme of HKI	Year	Type	P/ID Number
1	Lantasdroid	2012	Copyright	
2	Parkir Otomatis Dengan Identifikasi SSID Plat Nomor Kendaraan Bermotor (*Automated Parking with Vehicle License Plate SSID Identification*)	2018	Copyright	000126805
3	Sistem Cerdas Penjejakan Obyek Video Spermatozoa (*Intelligent Spermatozoa Video Object Tracking System*)	2019	Copyright	000142254
4	Big Data Analytics	2019	Copyright	000148351
5	Tutorial Sederhana Menggunakan OJS3 (*A Simple Tutorial Using OJS3*)	2019	Copyright	000161012

6	Sistem Informasi Penentuan Analisis Sperma (Information System for Sperm Analysis Determination)	2019	Copyright	000187171
7	Web Profile PT Catur Intan Chaniagara Intinusa	2020	Copyright	000187380
8	Web Profile LSP Universitas Pembangunan Nasional Veteran Jawa Timur	2020	Copyright	000187951
9	Sistem Terintegrasi Uji Kompetensi (Competency Test Integrated System)	2020	Copyright	000195381
10	Movie Trending Apps	2020	Copyright	EC00202038884
11	Tanaman Nusantara (Nusantara Plants)	2020	Copyright	000213855

EXPERIENCE FORMULATING PUBLIC POLICY / OTHER SOCIAL ENGINEERING

No	Other Social Engineering Titles/Themes/Types Applied	Year	Place of Implementation	Community Response
1.	Bali Backpacker Sebagai Platform Panduan Lengkap Berwisata Ke Bali Dengan Dwibahasa (Indonesia Dan Inggris) Untuk Pemulihan Pariwisata Bali Pada Masa New Normal Covid-19 (*Bali Backpacker as a Complete Travel Guide Platform with Bilingual (Indonesian and English) for Bali Tourism Recovery during the Covid New Normal Period*)	2021	PNBP of Bali Province	Positive

POSITION IN INSTITUTION MANAGEMENT

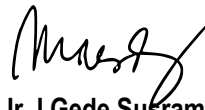| Role/Title	Institution (University, Faculty, Department, Lab, studio, Academic Information System Management etc.)	Year (Up to)
Ka. LSP UPN "Veteran" Jawa Timur	University (LP3M)	2019-2020
Koorprodi (Study Program Coordinator)	Data Science Program - Faculty of Computer Science	2020-Sekarang

AWARD/CHARTER

Tahun	Bentuk Penghargaan	Pemberi

PROFESSIONAL/SCIENTIFIC ORGANIZATIONS

Year	Type/Name of organization	Position/Level
2021	Indonesia Artificial Intellegence Society	Litbang

I declare that all information in this Curriculum Vitae Researchers is true and if there is an error, I am willing to take responsibility for it.

Surabaya, January 25th, 2023
Declare,

Dr. Ir. I Gede Susrama Mas Diyasa, ST. MT. IPU
NIP. 197006192021211009