

Judul artikel ilmiah/karya ilmiah/karya seni/buku yang dihasilkan PSTE

No.	Judul	Nama-nama Dosen	Dihasilkan/ Dipublikasikan pada	Tahun Penyajian/ Publikasi	Lokal	Nasio-nal	Interna-sional
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	A Low-Complexity and High-Throughput RTL Design of a BCH (15.7) Decoder	Dr.Eng. Hendra Setiawan, ST., MT.	Journal of Information and Communication Technology - ITB	2012			1
2.	Automated algorithm for Wet/Dry cough sounds classification	Yusuf Aziz Amrullah, ST., M.Sc., PhD	Engineering in Medicine and Biology Society (EMBC), 2012 Annual International Conference of the IEEE	September 2012			1
3.	Kelayakan Penerapan Sistem Kendali Suhu Dan Kelembaban Pada Budidaya Jarum Tiram di Jogjakarta	Dr.Eng. Hendra Setiawan, ST., MT.	Rekayasa Teknologi Industri dan Informasi	15 Desember 2012		1	
4.	Rancang Bangun Alat Bantu Penentuan Lokasi Kincir Angin Pada PLT ANGIN	Tito Yuwono, ST., M.Sc.	Rekayasa Teknologi Industri dan Informasi	15 Desember 2012		1	
5.	Rancang Bangun Mesin Penarik Untuk Pengembangan Metode Stressed Sheeting Weld	Medilla Kusriyanto, ST, M.Eng.	Seminar Nasional Menuju Masyarakat Madani dan Lestari	18 Desember 2012		1	
6.	Aplikasi Wireless Sensor Network Untuk Monitoring Trafo Distribusi	Firdaus, ST, MT	International Conference on Culture, Communication, and Multimedia Technology 2012 (ICON C-COMET 2012)	1 Desember 2012			1
7.	Indoor Mobile Wireless Monitoring System for Medical Devices In Hospital	Firdaus, ST, MT	The 7th International Conference on Biomedical Engineering and Medical Applications (ICBEMA) 2012	9-10 November 2012			1
8.	Design and Implementation of Fuzzy Logic Controller based on Incremental Conductance Algorithms for Photovoltaic Power Optimization	Dwi Ana Ratna Wati, ST, M.Eng. & Wahyudi Budi Pramono, ST, M.Eng.	International Conference on Sustainable Energy Engineering and Application (ICSEEA) 2012	6-8 Oktober 2012			1
9.	An Ensemble of Neural Networks for Control System Application	Alvin Sahroni, ST, M.Eng.	3rd Annual International Conference on Advanced Topics in Artificial Intelligence ATAI 2012	22-23 Oktober 2012			1

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
10.	Design Of Intelligent Control System Based On General Regression Neural Network Algorithm	Alvin Sahroni, ST, M.Eng.	GSTF Journal on Computing	Januari 2013			1
11.	Automatic Identification of Wet and Dry Cough in Pediatric Patients with Respiratory Diseases	Yusuf Aziz Amrullah, ST., M.Sc., PhD	Annals of Biomedical Engineering, May 2013, Volume 41, Issue 5, pp 1016-1028	Januari 2013			1
12.	The Most Possible Scheme of Joint Service Detection for the Next Wireless Communication Technologies	Dr.Eng. Hendra Setiawan, ST, MT	Jurnal Telkomnika Vol 11 No 1	Maret 2013			1
13.	The Concept of Micro-hydro Development Expert System based on Fuzzy Logic Approach	Alvin Sahroni, ST, M.Eng.	2013 2nd IEEE Conference on Control, Systems & Industrial Informatics	23-26 Juni 2013			1
14.	Baseband Signals Interconnect Concept in a Multimode Terminal	Dr.Eng. Hendra Setiawan, ST., MT.	2013 2nd IEEE Conference on Control, Systems & Industrial Informatics	23-26 Juni 2013			1
15.	Simultaneous Trajectory Tracking and Formation Keeping for A Group of Unicycles	Sisdarmanto Adinandra, Ph.D.	2013 2nd IEEE Conference on Control, Systems & Industrial Informatics	23-26 Juni 2013			1
16.	Neural network based algorithm for automatic identification of cough sounds	Yusuf Aziz Amrullah, ST., M.Sc., PhD	Engineering in Medicine and Biology Society (EMBC), 2013 35th Annual International Conference of the IEEE	3-7 Juli 2013			1
17.	Wireless Sensor Network Teori dan Aplikasi	Firdaus, ST, MT	Graha Ilmu	6 Oktober 2013		1	
18.	Model Penjadwalan Matakuliah Secara Otomatis Berbasis Algoritma Particle Swarm Optimization (PSO)	Dwi Ana Ratna Wati, ST, M.Eng. & Yuli Agusti Rochman, ST, M.Eng.	Jurnal Rekayasa Sistem Industri	Oktober 2013		1	
19.	Genetic Algorithm-based PID Parameters Optimization for Air Heater Temperature Control	Dwi Ana Ratna Wati, ST, M.Eng.	2013 International Conference on Robotics, Biomimetics, Intelligent Computational Systems	25-27 November 2013			1
20.	Coordinated Trajectory Tracking for A Group of Unicycle Mobile Robots	Sisdarmanto Adinandra, ST, M.Sc., Ph.D.	2013 International Conference on Robotics, Biomimetics, Intelligent Computational Systems	25-27 November 2013			1

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21.	Wireless Sensor Network untuk Pengumpulan Data Bergerak pada Sistem Informasi Medis	Firdaus, ST, MT	Seminar Nasional Informatika Medis (SNIMED) 2013	9 November 2013		1	
22.	Design Technology in Wireless Mesh Network System for Eruption Disaster Mitigation of Merapi Volcano	Firdaus, ST., MT., Alvin Sahroni, ST, M.Eng.	International Conference on Instrumentation, Communication, Information Technology and Biomedical Engineering (ICICI-BME)	7-8 November 2013			1
23.	Performance Evaluation of VoIP and Video Streaming Over Wimax IEEE 802.15d and 802.15e	Firdaus, ST., MT.	International Conference on Instrumentation, Communication, Information Technology and Biomedical Engineering (ICICI-BME)	7-8 November 2013			1
24.	Hardware Design of Spatial Mapper for 1.73Gbps Multi-User MIMO System of IEEE802.11ac	Dr.Eng. Hendra Setiawan, ST., MT.	International Conference on Instrumentation, Communication, Information Technology and Biomedical Engineering (ICICI-BME)	7-8 November 2013			1
25.	Interval Type-2 Fuzzy Logic Controller of Heat Exchanger Systems	Dwi Ana Ratna Wati, ST, M.Eng.	International Conference on Instrumentation, Communication, Information Technology and Biomedical Engineering (ICICI-BME)	7-8 November 2013			1
26.	Brief Study of Identification System Using Regression Neural Network Based on Delay Tap Structures	Alvin Sahroni, ST, M.Eng.	GSTF Journal on Computing Volume 3 Number 3	Desember 2013			1
27.	Design of Water Quality Telemonitoring Using Zigbee	Tito Yuwono, ST, M.Sc.	International Conference on Chemical, Agricultural and Medical Sciences (CAMS-2013)	29-30 Desember 2013			1
28.	Rancang Bangun Deteksi Dini Bahaya Banjir	Tito Yuwono, ST, M.Sc.	Seminar Nasional Rekayasa Teknologi Industri dan Informasi ke8	14 Desember 2013		1	
29.	Perbandingan Unjuk Kerja Algoritma PSO dan Algoritma ABCO pada Optimasi Pengendali PID (Studi Kasus Pada Model Motor DC)	Dwi Ana Ratna Wati, ST, M.Eng.	Seminar Nasional Rekayasa Teknologi Industri dan Informasi ke8	14 Desember 2013		1	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
30.	Power Control using Fuzzy Genetic Algorithm to Enhance WCDMA Capacity	Firdaus, ST, MT	2013 IEEE International Conference on Communication, Networks and Satellite	3-4 Desember 2013			1
31.	Performance Evaluation of Swarm Intelligence on Model-based PID Tuning	Dwi Ana Ratna Wati, ST, M.Eng.	2013 IEEE International Conference on Computational Intelligence and Cybernetics	3-4 Desember 2013			1
32.	Physical Computing (Hardware in the Loop) Pada Pengendalian Motor DC Berbasis Mikrokontroler dan Matlab	Alvin Sahroni, ST, M.Eng.	Seminar Nasional Teknologi Industri 2014	4-5 Juni 2014		1	
33.	A Joint Time Synchronization Concept for Wireless Communication System	Dr.Eng. Hendra Setiawan, ST., MT.	International Conference on Advanced Informatics : Concepts, Theory and Applications (ICAICTA) 2014	20-21 Agustus 2014			1
34.	ZigBee and Wifi Network Interface on Wireless Sensor Networks	Fidaus, ST, MT	International Conference on Electrical Engineering and Informatics (MICEEI)	26 – 30 November 2014			1
35.	Wireless Sensor Network for Microclimate Telemonitoring using ZigBee and WiFi	Fidaus, ST, MT	International Conference on Aerospace Electronics and Remote Sensing (2014 IEEE)	13 – 14 November 2014			1
36.	Performance of Blind Source Separation (BSS) Techniques for Mixed Source Signals of EEG, ECG, and Voice Signal	Alvin Sahroni, ST, M.Eng.	2014 IEEE 7th International Workshop on Computational Intelligence and Applications (IWCIA)	7-8 November 2014			1
37.	Feasibility study on ECG data transmission over voice for patient telemonitoring system	Dr.Eng. Hendra Setiawan, ST, MT.	2014 IEEE 7th International Workshop on Computational Intelligence and Applications (IWCIA)	7-8 November 2014			1
38.	Mini SCADA Berbasis Mikrokontroler ATmega 32 dengan Komunikasi Modbus RS 485 dan Sistem Monitoring Menggunakan Visual Basic	Medilla Kusriyanto, ST, M.Eng.	Seminar Nasional Rekayasa Teknologi Industri dan Informasi	13-14 Desember 2014		1	
39.	Monitoring dan Kendali Lampu Berbasis Jaringan WiFi untuk Mendukung Smart Home	Fidaus, ST, MT	Seminar Nasional Rekayasa Teknologi Industri dan Informasi	13-14 Desember 2014		1	

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40.	Simulasi Maximum Power Point Tracking pada Panel Surya Menggunakan Simulink MATLAB	Wahyudi Budi Pramono, ST, M.Eng.	Seminar Nasional Rekayasa Teknologi Industri dan Informasi	13-14 Desember 2014		1	
41.	Rancang Bangun Sistem Telemonitoring Suhu Pasien dengan Teknologi Nirkabel	Tito Yuwono, ST, M.Sc.	Seminar Nasional Rekayasa Teknologi Industri dan Informasi	13-14 Desember 2014		1	
42.	Analisis Efek Tunda Waktu Terhadap Performa Sistem Kendali Jaringan Berbasis ZigBee IEEE 802.145.4	Sisdarmanto Adinandra, ST, M.Sc., Ph.D.	Seminar Nasional Rekayasa Teknologi Industri dan Informasi	13-14 Desember 2014		1	
43.	Kendali Robot Pemonitor Jarak Jauh Berbasis Smartphone Android Implementasi Sistem dan Analisis Kualitas Video Streaming	Sisdarmanto Adinandra, ST, M.Sc., Ph.D.	Seminar Nasional Rekayasa Teknologi Industri dan Informasi	13-14 Desember 2014		1	
44.	The Design of the Telemetry System for Volcano Toxic Gases as Early Warning System to Reduce Risk of the Disaster in the Community and it's Environment	Tito Yuwono, ST, M.Sc.	Jurnal Elektronika No 1 Vol 12	Januari-Maret 2015		1	
45.	Design and Simulation Wimax Networks 802.16d and 802.16e In Sleman	Fidaus, ST, MT	International Seminar on Intelligent Technology and Its Applications (ISITIA), Surabaya	2015			1
46.	Cough sound analysis for pneumonia and asthma classification in pediatric population	Yusuf Aziz Amrullah, ST., M.Sc., PhD	6th International Conference on Intelligent Systems, Modelling and Simulation, ISMS2015	2015			1
47.	Monitoring CO dan Deteksi Dini Kebocoran Gas LPG Pada Perumahan Menggunakan Wireless Sensor Network	Fidaus, ST, MT	Jurnal Elektro dan Telekomunikasi Terapan Vol 2 No 1	Juli 2015		1	
48.	Dasar dan Perancangan Wireless ICT Network	Firdaus, ST., MT	Penerbit UII Press	2015		1	
49.	Design of type-2 Fuzzt Controller for Air Heater Temperature Control	Dwi Ana Ratnawati ST, M.Eng	The International Conference on Science and Technology (TICST 2015)	2015			1

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50.	RF Measurement and Analysis of 2G GSM Network Performance Case Study: Yogyakarta Indonesia	Tito Yuwono, ST., M.Sc.	2015 IEEE 3rd International Conference on Smart Instrumentation, Measurement and Applications (ICSIMA 2015)	2015			1
51.	Desing of Wireless Battery Charger Using Near Field Induction Method	Firdaus, ST, MT.	"International Conference on Telecommunication System Services and Applications (TSSA 2015)	2015			1
52.	Wireless Sensor Network Application for Carbon Monoxide Monitoring	Firdaus, ST, MT.	"International Conference on Telecommunication System Services and Applications (TSSA 2015)	2015			1
53.	EEG DataTransmission over speech channel in the Telephony Systems	Dr.Eng. Hendra Setiawan, ST, MT.	"International Conference on Telecommunication System Services and Applications (TSSA 2015)	2015			1
54.	Desain Pengendali Air Heater Berbasis Takagi-Sugeno-Kang Fuzzy Controller	Dwi Ana Ratna Wati, ST, M.Eng.	Seminar Teknologi dan Rekayasa (SENTRA) 2015	2015		1	
55.	Desain dan Implementasi Pengendalian Jarak Jauh Pada Robot Beroda Tipe Holonomic Berbasis Android	Sisdarmanto Adinandra, Ph.D.	Seminar Teknologi dan Rekayasa (SENTRA) 2015	2015		1	
56.	Pra Studi Kelayakan Potensi Energi Angin di Pantai Selatan Gunung Kidul	Wahyudi Budi Pramono, ST, M.Eng.	Seminar Teknologi dan Rekayasa (SENTRA) 2015	2015		1	
57.	Efektivitas Identifikasi Ucapan Huruf Vokal Manuasia Pada Domain Frekuensi Dengan Menggunakan 2048 Point FFT	Dr.Eng. Hendra Setiawan, ST, MT.	Seminar Teknologi dan Rekayasa (SENTRA) 2015	2015		1	
58.	Rancang Bangun Prototype Segway Mini Balancing Robot Dua Roda Dengan Kendali PID	Medilla Kusriyanto, ST, M.Eng.	Seminar Teknologi dan Rekayasa (SENTRA) 2015	2015		1	
59.	Rancang Bangun Telemonitoring Pencemaran Udara	Tito Yuwono, ST, M.Sc.	Seminar Teknologi dan Rekayasa (SENTRA) 2015	2015		1	

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60.	Studi Kemungkinan Data Over Voice Melalui Sistem Pesawat Telepon	Dr.Eng. Hendra Setiawan, ST, MT.	Seminar Nasional Sains dan Teknologi - SEMNASTEK 2015	2015		1	
61.	Perancangan Mini Generator Turbin Angin 200W Untuk Energi Angin Kecepatan Rendah	Wahyudi Budi Pramono, ST, M.Eng.	Seminar Nasional dalam bidang Teknologi Industri dan Informatika (SNATIF) 2015	2015		1	
62.	Analisis Perbandingan Metode Perkalian Array dan Booth	Dr.Eng. Hendra Setiawan, ST, MT.	Seminar Nasional dalam bidang Teknologi Industri dan Informatika (SNATIF) 2015	2015		1	
63.	Desing of the Remote Sensing Circuit for Water Conductivity	Tito Yuwono, ST., M.Sc.	2015 International Conference on Space Science & Communication (IconSpace 2015)	2015			1
64.	Decision Support System For Heart Disease Diagnosing Using K-NN Algorithm	Tito Yuwono, ST., M.Sc.	The International Conference on Electrical Engineering, Computer Science and Informatics (EECSI 2015)	2015			1
65.	Location-Based Request Forwarding in a Geo-Fencing Application with Multiple Providers	Tito Yuwono, ST., M.Sc.	2015 International Conference on Industrial Internet of Things (ICIOT 2015)	2015			1
66.	The Application of Internet of things System for Water Quality Monitoring	Tito Yuwono, ST., M.Sc.	2015 International Conference on Industrial Internet of Things (ICIOT 2015)	2015			1
67.	Measurement and Analysis of 3G WCDMA Network Performance Case Study: Yogyakarta Indonesia	Tito Yuwono, ST., M.Sc.	International Conference on Instrumentation, Communication, Information Technology and Biomedical Engineering (ICICI-BME 2015)	2015			1
68.	Coordinated Trajectory Tracking for A Group of Mixed Wheeled Mobile Robots	Sisdarmanto Adinandra, ST, M.Sc, Ph.D	International Conference on Instrumentation, Communication, Information Technology and Biomedical Engineering (ICICI-BME 2015)	2015			1
69.	Android Smart Home System Based on ATmega16	Medilla Kusriyanto, ST, M.Eng	International Conference on Instrumentation, Communication, Information Technology and Biomedical Engineering (ICICI-BME 2015)	2015			1

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70.	Particle Swarm Optimization for Vendor Manage Inventory Control System of Multi product multi constraints	Dwi Ana Ratnawati, ST, M.Eng	The 3rd International Conference on Internet Services Technology and Information Engineering 2015 (ISTIE 2015)	2015			1
71.	Automatic Cough Segmentation From Non-Contact Sound Recordings In Pediatric Wards	Yusuf Aziz Amrullah, ST., M.Sc., PhD	Biomedical Signal Processing and Control	2015			1
72.	Blind Signal Separation For Medical Data Recording Using Self-Organizing Neural Network	Alvin Sahroni, ST, MT	GSTF Journal on Computing (JoC)	2015			1
73.	Elektronika Dasar	Dr.Eng. Hendra Setiawan, ST, MT.	Penerbit UII Press	2015		1	
74.	Simultaneous Trajectory Tracking and Formation Keeping for A Group of Unicycle Mobile Robots	Sisdarmanto Adinandra, ST, M.Sc, Ph.D	The Journal of Instrumentation, Automation, and Systems	2015			1
75.	Peak-To-Average Power Ratio In The Circuit Design Of A 20MHz Bandwidth Of A Wireless LAN IEEE 802.11n	Dr.Eng. Hendra Setiawan, ST, MT.	International Journal of Technology	2015			1