

The background consists of a dense field of 3D-rendered numbers from 0 to 9. The numbers are arranged in a somewhat chaotic pattern, with some appearing in a light grey color and others in a dark orange color. The lighting creates shadows, giving the numbers a three-dimensional appearance.

Topic 2023

Recovery Waste and i-Environment

4. Aktivitas capaian terkait produk penelitian


REPUBLIK INDONESIA
KEMENTERIAN HUKUM DAN HAK ASASI MANUSIA

SURAT PENCATATAN CIPTAAN

Dalam rangka perlindungan ciptaan di bidang ilmu pengetahuan, seni dan sastra berdasarkan Undang-Undang Nomor 28 Tahun 2014 tentang Hak Cipta, dengan ini menerangkan:

Nomor dan tanggal permohonan : EC00202307946, 26 Januari 2023

Pencipta
Nama : Ary Mazharuddin Shiddiqi, S. Kom., M.Comp.Sc., Ph.D.,
Muhammad Akmal Fakhri Baihaqi, S.Kom, dkk

Alamat : Jl. Marina Emas Timur II C-43a, Keputhi, Sukolilo, Kota Surabaya,
KOTA SURABAYA, JAWA TIMUR, 60111

Kewarganegaraan : Indonesia

Pemegang Hak Cipta
Nama : Institut Teknologi Sepuluh Nopember (ITS)
Alamat : Kantor Transfer Teknologi Direktorat Inovasi Dan Kawasan Sains
Teknologi Gedung Pascasarjana Kampus ITS Sukolilo, Surabaya
60111, KOTA SURABAYA, JAWA TIMUR, 60111

Kewarganegaraan : Indonesia

Jenis Ciptaan : Program Komputer

Judul Ciptaan : "Leak Detection Dashboard" Sistem Deteksi Kebocoran Pipa
Air Dengan Menggunakan Sensor Ultrasonic Water Flowmeter
Terdistribusi

Tanggal dan tempat diumumkan untuk pertama kali di wilayah Indonesia atau di luar wilayah Indonesia : 5 Desember 2022, di KOTA SURABAYA

Jangka waktu perlindungan : Berlaku selama 50 (lima puluh) tahun sejak Ciptaan tersebut pertama kali dilakukan Pengumuman.

Nomor pencatatan : 000440869

adalah benar berdasarkan keterangan yang diberikan oleh Pemohon.
Surat Pencatatan Hak Cipta atau produk Hak terkait ini sesuai dengan Pasal 72 Undang-Undang Nomor 28 Tahun 2014 tentang Hak Cipta.

a.n Menteri Hukum dan Hak Asasi Manusia
Direktur Jenderal Kekayaan Intelektual
u.b.
Direktur Hak Cipta dan Desain Industri


Anggoro Dasananto
NIP.196412081991031002



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REPUBLIK INDONESIA
KEMENTERIAN HUKUM DAN HAK ASASI MANUSIA

SURAT PENCATATAN CIPTAAN

Dalam rangka perlindungan ciptaan di bidang ilmu pengetahuan, seni dan sastra berdasarkan Undang-Undang Nomor 28 Tahun 2014 tentang Hak Cipta, dengan ini menerangkan:

Nomor dan tanggal permohonan : EC00202307947, 26 Januari 2023

Pencipta
Nama : I.D.A.A. Warmadewanthi, S.T., M.T., Ph.D., Ary Mazharuddin
Shiddiqi, S. Kom., M.Comp.Sc., Ph.D. dkk

Alamat : Wiguna Tengah Gang 11 No. 1, Kota Surabaya, Surabaya, JAWA
TIMUR, 60294

Kewarganegaraan : Indonesia

Pemegang Hak Cipta
Nama : Institut Teknologi Sepuluh Nopember (ITS)
Alamat : Kantor Transfer Teknologi Direktorat Inovasi Dan Kawasan Sains
Teknologi Gedung Pascasarjana Kampus ITS Sukolilo, Surabaya
60111 Jawa Timur, KOTA SURABAYA, JAWA TIMUR, 60111

Kewarganegaraan : Indonesia

Jenis Ciptaan : Program Komputer

Judul Ciptaan : "Aplikasi APPS4SWAM" Sistem Informasi Pengelolaan
Sampah

Tanggal dan tempat diumumkan untuk pertama kali di wilayah Indonesia atau di luar wilayah Indonesia : 5 Desember 2022, di Surabaya

Jangka waktu perlindungan : Berlaku selama 50 (lima puluh) tahun sejak Ciptaan tersebut pertama kali dilakukan Pengumuman.

Nomor pencatatan : 000440870

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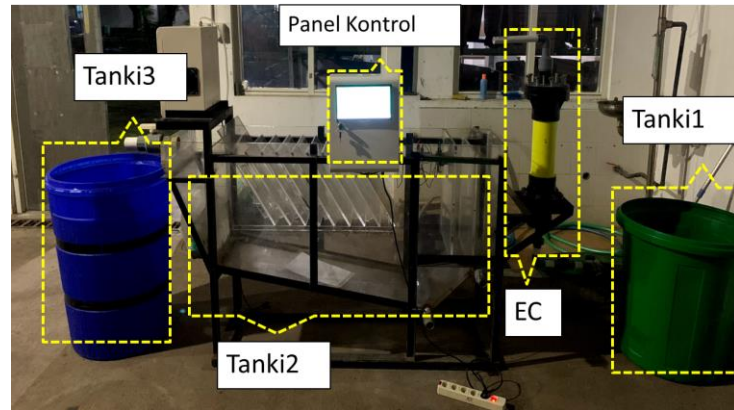
a.n Menteri Hukum dan Hak Asasi Manusia
Direktur Jenderal Kekayaan Intelektual
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Direktur Hak Cipta dan Desain Industri


Anggoro Dasananto
NIP.196412081991031002

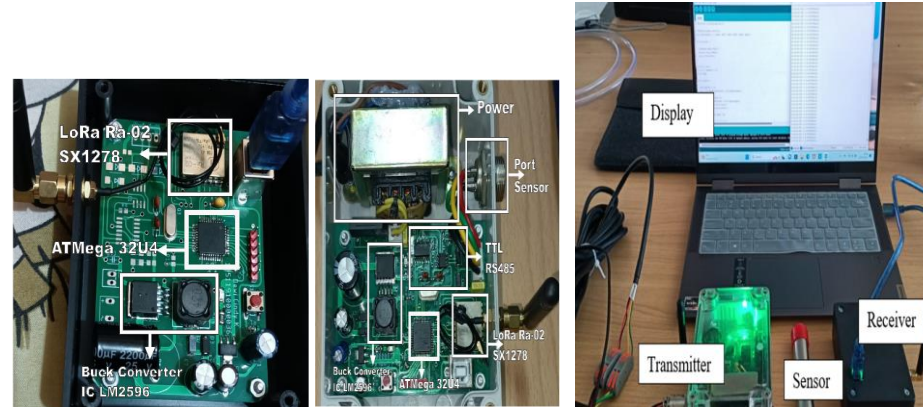


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i-environment (smart water management)

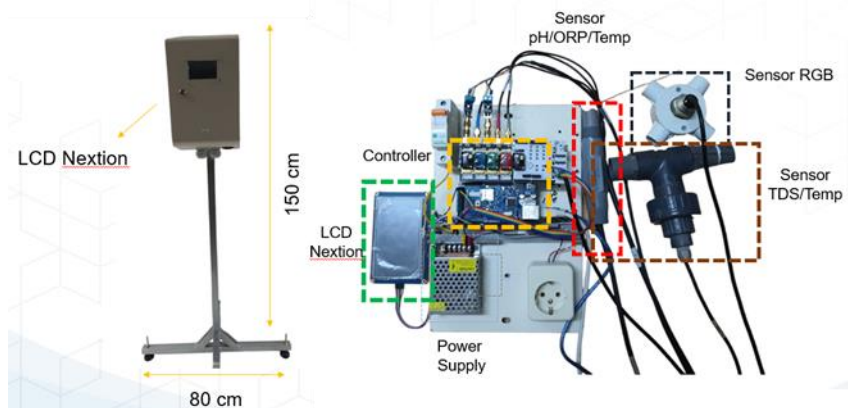


Monitoring System I-Mobile Water Treatment

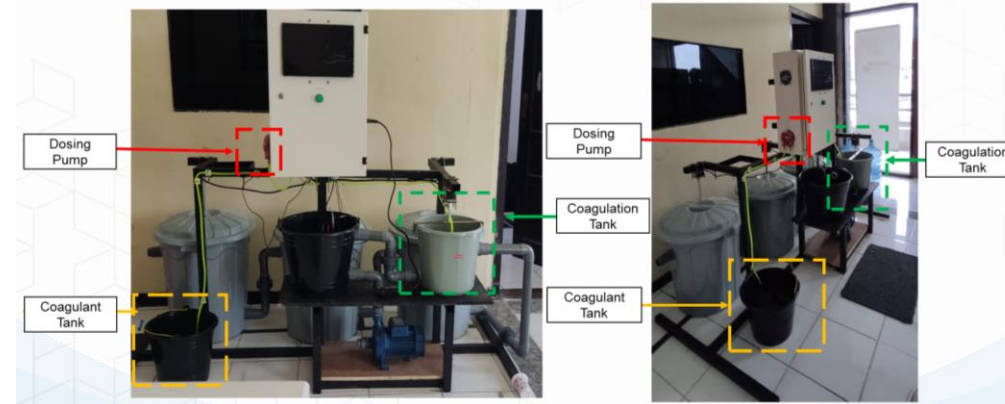


Data Acquisition system for Turbidity RK500-07 based on wireless communication

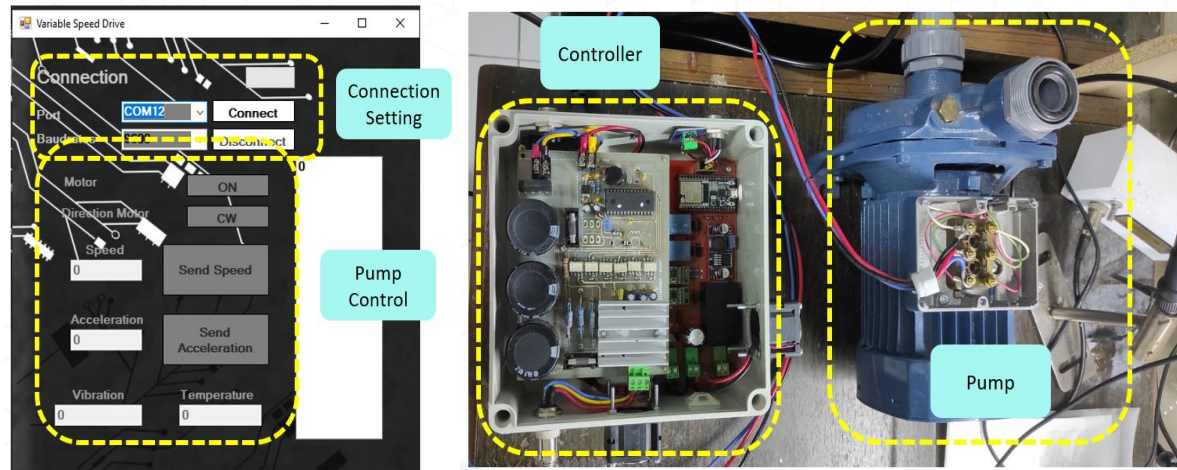
Coagulant Dosing Control System



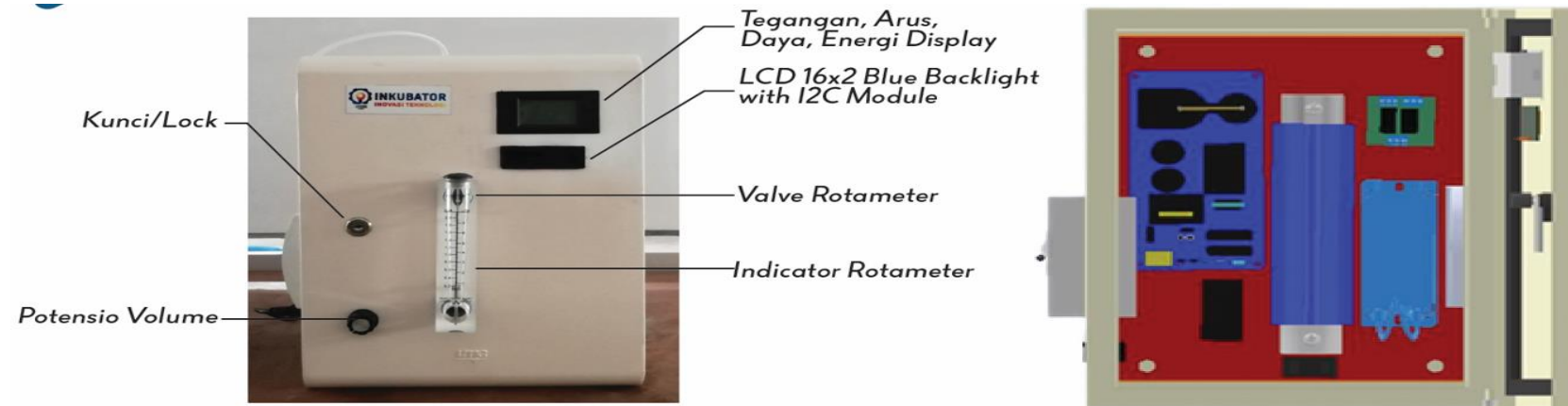
Wastewater Treatment monitoring system



i-environment (smart water management)



Control system for VSD Pump

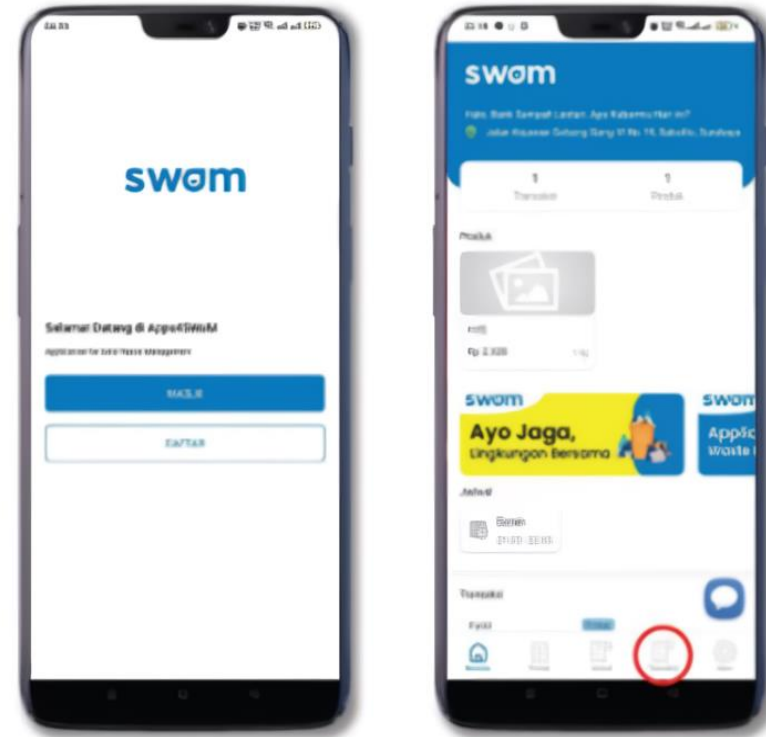


Ozone Generator for Water Treatment

Apps4SWAM dan BIMA



BIMA (BANGUNAN INSTAN MODULAR SEDERHANA) INOVASI PEMANFAATAN FABA PADA SISTEM MODULAR RAMAH LINGKUNGAN UNTUK NON-ENGINEERED HOUSING TAHAN GEMPA



Apps4SWAM, aplikasi bank sampah skala kota Sudah digunakan oleh lebih dari 200 nasabah bank sampah di Kota Kediri

No.	Nama Peneliti	Judul Prototype
1	Ervin Nurhayati, ST., MT, PhD Arseto Yekti Bagastyo S.T., M.T., M.Phil, PhD Ir. Murry Raditya, S.T., M.T	Monitoring System I-Mobile Water Treatment
2	Ervin Nurhayati, ST., MT, PhD Arseto Yekti Bagastyo S.T., M.T., M.Phil, PhD Ir. Murry Raditya, S.T., M.T	Data Acquisition system for Turbidity RK500-07 based on wireless communication
3	Ervin Nurhayati, ST., MT, PhD Arseto Yekti Bagastyo S.T., M.T., M.Phil, PhD Ir. Murry Raditya, S.T., M.T	Wastewater Treatment monitoring system
4	Ervin Nurhayati, ST., MT, PhD Arseto Yekti Bagastyo S.T., M.T., M.Phil, PhD Ir. Murry Raditya, S.T., M.T	Coagulant Dosing Control System
5	Ervin Nurhayati, ST., MT, PhD Arseto Yekti Bagastyo S.T., M.T., M.Phil, PhD Ir. Murry Raditya, S.T., M.T	Control system for VSD Pump
6	Ervin Nurhayati, ST., MT, PhD Arseto Yekti Bagastyo S.T., M.T., M.Phil, PhD Ir. Murry Raditya, S.T., M.T	Ozone Generator for Water Treatment
7	Dr. Eng. Yuyun Tajunnisa, ST., MT dan team	BIMA (BANGUNAN INSTAN MODULAR SEDERHANA) INOVASI PEMANFAATAN FABA PADA SISTEM MODULAR RAMAH LINGKUNGAN UNTUK NON-ENGINEERED HOUSING TAHAN GEMPA
8	Dr. Eng. Yuyun Tajunnisa, ST., MT dan team	MODUL PELATIHAN PEMBANGUNAN RUMAH TAHAN GEMPA

4. Aktivitas capaian terkait publikasi ilmiah

Total jurnal bereputasi : 67

Total publikasi pada proceeding : 52

No	Nama	Departemen/ Fakultas	Judul Publikasi	Detail Publisher
1	<u>Christiono Utomo</u>	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumihan	A decision-making model for supporting selection of green building materials	International Journal of Construction Management, 23(5), 922-933. https://doi.org/10.1080/15623599.2021.1944548
2	Adhi Yuniarto	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumihan	Agro-Based Wastewater Profile by Biological Treatment of Pond Treatment System in Kulai, Johor	Biointerface Research in Applied Chemistry, 13(6), [586]. https://doi.org/10.33263/BRIAC136.586
3	Joni Hermana	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumihan	Algal-bacterial aerobic granular sludge for real municipal wastewater treatment: Performance, microbial community change and feasibility of lipid recovery	Journal of Environmental Management, 333, [117374]. https://doi.org/10.1016/j.jenvman.2023.117374
4	Erwin Widodo	Teknik Industri/ Fakultas Teknologi Industri	Analysis of Bittern Recovery Facility Using Mixed-Integer Nonlinear Programming: Centralized, Decentralized, and Hybrid Scenarios	<i>International Journal of Technology</i> , 14(3), 638-648. https://doi.org/10.14716/ijtech.v14i3.5437
5	Arseto Yekti Bagastyo	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumihan	Assessment of attitude and participation level among the households and local merchants toward single-use plastic waste management: A case study in Balikpapan Municipality, Indonesia	Case Studies in Chemical and Environmental Engineering, vol. 7, 100361. https://doi.org/10.1016/j.cscee.2023.100361
6	Mohammad Arif Rohman	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumihan	Assessment of social sustainability performance for residential building	<i>Sustainability: Science, Practice, and Policy</i> , 19(1), 33-45. https://doi.org/10.1080/15487733.2022.2153575
7	Lily Pudjiastuti	Teknik Kimia/ Fakultas Teknologi Industri	Biological Buffer Effect on Liquid-Liquid Equilibria of Systems Containing n-Butanol + Methyl Isobutyl Ketone + Water	Journal of Chemical & Engineering Data, 68(2), 384-392. https://doi.org/10.1021/acs.jced.2c00657
8	Putu Tantri Kumala Sari	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumihan	Causes of Landslides in Road Embankment with Retaining Wall and Pile Foundation: A Case Study of National Road Project in Porong-Sidoarjo, Indonesia	International Journal on Advanced Science, Engineering and Information Technology, 13(1), 42-48. https://doi.org/10.18517/ijaseit.13.1.16259
9	Joni Hermana	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumihan	Characteristics of algal-bacterial aerobic granular sludge treating real wastewater: Effects of algal inoculation and alginate-like exopolymers recovery	Chemosphere, 329, [138595]. https://doi.org/10.1016/j.chemosphere.2023.138595
10	Sarwoko Mangkoedihardjo	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumihan	Chemical disinfectants detoxify wastewater containing various organic substances	Mangkoedihardjo, S., & Al-Rosyid, L. M. (2023). Chemical disinfectants detoxify wastewater containing various organic substances. <i>Environmental Research and Technology</i> , 6(1), 8-12. https://doi.org/10.35208/ert.1208362

11	Sarwoko Mangkoedihardjo	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Cleaning up black carbon using plant strategies	Plant Science Today, 10. https://doi.org/10.14719/pst.2179
12	Ervina Ahyudanari	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumian	CO2 Emission of Aircraft at Different Flight-level (Route: Jakarta-Surabaya)	Chemical Engineering Transactions, 98, 39-44. https://doi.org/10.3303/CET2398007
13	Tatas	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumian	Converting Seasonal Measurements to Monthly Groundwater Levels through GRACE Data Fusion	Sustainability, 15(10), [8295]. https://doi.org/10.3390/su15108295
14	<u>Dewi Septanti</u>	Arsitektur/Fakultas Teknik Sipil, Perencanaan, dan Kebumian	Criteria for Sustaining Coastal Communities' Livelihoods A case study of Karang Sari Urban Village, Tuban Regency	International Review for Spatial Planning and Sustainable Development, 11(2), 278-293. https://doi.org/10.14246/irspsd.11.2_278
15	Eko Budi Santoso	Perencanaan Wilayah dan Kota/ Fakultas Teknik Sipil dan Kebumian	Cultural Tradition as a Local Context for Sustainable of Urban Identity in Gianyar City Case Study	Journal of Social Science and Humanities, 31(1), 283-301. https://doi.org/10.47836/PJSSH.31.1.15
16	Sri Pingit Wulandari	Statistika/Fakultas Ilmu Pasti dan Ilmu Alam	Data Envelopment Analysis for the Efficiency of Higher Education Departments at Sepuluh Nopember Institute of Technology, Indonesia	European Journal of Educational Research, 12(2), 1153-1169. https://doi.org/10.12973/eu-jer.12.2.1153
17	Christiono Utomo	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumian	Determining Factors of Fixed Offshore Platform Inspections in Indonesia	<i>Applied Sciences (Switzerland)</i> , 13(2), [737]. https://doi.org/10.3390/app13020737
18	Totok Soehartanto	Teknik Instrumentasi/Fakultas Teknik Sipil Perencanaan dan Kebumian	Dissolved oxygen control system in polishing unit u	<i>Bulletin of Electrical Engineering and Informatics</i> , 12(2), 760-770. https://doi.org/10.11591/eei.v12i2.4445
19	Arie Dipareza Syafei	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Effects of Ambient Temperature, Relative Humidity, and Precipitation on Diarrhea Incidence in Surabaya	International Journal of Environmental Research and Public Health, 20(3), [2313]. https://doi.org/10.3390/ijerph20032313
20	Yulinah Trihadiningrum	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Electronic waste management in schools: a case of Surabaya City, Indonesia	Journal of Material Cycles and Waste Management, 25(1), 597-611. https://doi.org/10.1007/s10163-022-01540-4

21	Bieby Voijant Tangahu	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Enhanced leachate phytodetoxification test combined with plants and rhizobacteria bioaugmentation	Heliyon, 9(1), [e12921]. https://doi.org/10.1016/j.heliyon.2023.e12921
22	Susi Agustina Wilujeng	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Evidence of microplastics in leachate of Randegan landfill, Mojokerto City, Indonesia, and its potential to pollute surface water	<i>Science of the Total Environment</i> , 874, [162207]. https://doi.org/10.1016/j.scitotenv.2023.16220
23	Umboro Lasminto	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumian	FLOOD HYDROGRAPH ANALYSIS USING SYNTHETIC UNIT HYDROGRAPH, HEC-HMS, AND HEC-RAS 2D UNSTEADY FLOW PRECIPITATION ON-GRID MODEL FOR DISASTER RISK MITIGATION	International Journal of GEOMATE, 25(107), 50-58. https://doi.org/10.21660/2023.107.3719
24	I Dewa Made Frendika Septanaya	Perencanaan Wilayah dan Kota/ Fakultas Teknik Sipil dan Kebumian	Gender mainstreaming efforts in disaster management plans: Case study West Nusa Tenggara province, Indonesia	International Journal of Disaster Risk Reduction, 87. https://doi.org/10.1016/j.ijdr.2023.103576
25	Januarti Jaya Ekaputri	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumian	Geopolymer Haunch Beam–Column Connection Behavior	Arabian Journal for Science and Engineering. https://doi.org/10.1007/s13369-023-07921-
26	Yulinah Trihadiningrum	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Investigation of microplastic ingestion in commercial fish from Surabaya river, Indonesia	Environmental Pollution, 331, [121807]. https://doi.org/10.1016/j.envpol.2023.121807
27	Tatas	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumian	Mapping regional subsidence rate from electricity consumption-based groundwater extraction	Journal of Hydrology: Regional Studies
28	Bieby Voijant Tangahu	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Microbiome profile of soil and rhizosphere plants growing in traditional oil mining land in Wonocolo, Bojonegoro, Indonesia	International Journal of Phytoremediation, 25(6), 697-705. https://doi.org/10.1080/15226514.2022.2103094
29	Yulinah Trihadiningrum	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Performance of Conventional Drinking Water Treatment Plants in Removing Microplastics in East Java, Indonesia	<i>Journal of Ecological Engineering</i> , 24(6), 129-143. https://doi.org/10.12911/22998993/162785
30	Sarwoko Mangkoedihardjo	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Performance of Selected Plants Based Growth on Landfill Leachate Treatment Using Wetland Application	Israa University Journal of Applied Science, 6(2), 71-84. https://doi.org/10.52865/uwfn3858

31	Widya Utama	Teknik Geofisika/Fakultas Teknik Sipil Perencanaan dan Kebumian	Potential for Renewable Energy Generation from Water Sources in the Batang River Area	Environmental Research, Engineering and Management, 79(1), 80-89. https://doi.org/10.5755/j01.erem.79.1.32482
32	Tavio	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumian	Proposed Modified Formula for Predicting Shear Strength of Reinforced Concrete Beams Based on Eurocode Approach	International Journal on Engineering Applications, 11(1), 64-72. https://doi.org/10.15866/irea.v11i1.22268
33	Dwa Desa Warnana	Teknik Geofisika/Fakultas Teknik Sipil Perencanaan dan Kebumian	Self-Adaptive Bare-Bones Teaching–Learning-Based Optimization for Inversion of Multiple Self-Potential Anomaly Sources	<i>Pure and Applied Geophysics</i> . https://doi.org/10.1007/s00024-023-03247-5
34	Umboro Lasminto	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumian	Sensor and internet of things based integrated inundation mitigation for smart city	International Journal of Electrical and Computer Engineering, 13(3), 2695-2703. https://doi.org/10.11591/ijece.v13i3.pp2695-2703
35	Dewi Hidayati	Biologi/ Fakultas Sains dan Analitika Data	Spatial distribution of <i>Vespa affinis</i> based on land use and population density in Bojonegoro District, East Java Province, Indonesia	Biodiversitas, 24(2), 861-868. https://doi.org/10.13057/biodiv/d240223
36	Fahimah Martak	Kimia/Fakultas Sains dan Analitika Data	Synthesis of UiO-66 with addition of HKUST-1 for enhanced adsorption of RBBR dye	Arabian Journal of Chemistry, 16(4), [104637]. https://doi.org/10.1016/j.arabjc.2023.104637
37	Tavio	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumian	Tensile Properties of Woven Plastic Straw Waste Fiber-Reinforced Polymer Composites	International Journal on Engineering Applications, 11(1), 11-17. https://doi.org/10.15866/irea.v11i1.22537
38	Christiono Utomo	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumian	The Effect of Consequences in Utilizing Real Estate Investment Trust (REIT) on Property Development	International Journal on Advanced Science, Engineering and Information Technology, 13(1), 173-179. https://doi.org/10.18517/ijaseit.13.1.16275
39	Enny Zulaika	Biologi/ Fakultas Sains dan Analitika Data	The prevalence of antimicrobial-producing Gram-positive bacteria in human gut: a preliminary study	The prevalence of antimicrobial-producing Gram-positive bacteria in human gut: a preliminary study. <i>Advancements in Life Sciences</i> , 10(1), 1-4.
40	Ervin Nurhayati	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	The role of aeration and pre-chlorination prior to coagulation-flocculation process in water treatment: A laboratory and field research in Indonesia	Case Studies in Chemical and Environmental Engineering, 7, [100352]. https://doi.org/10.1016/j.cscee.2023.100352

41	Adhi Yuniarto	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	The storage of dried aerobic granular sludges under ambient condition	<i>Journal of Cleaner Production</i> , 383, [135401]. https://doi.org/10.1016/j.jclepro.2022.135401
42	Berlian Al Kindhi	Teknik Elektro Otomasi/Fakultas Vokasi	Unpaid productive activities and loneliness in later life: Results from the Indonesian Family Life Survey (2000–2014)	<i>Archives of Gerontology and Geriatrics</i> , 105, [104851]. https://doi.org/10.1016/j.archger.2022.104851
43	IDAA Warmadewanthi	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Pengaruh Faktor Sosial Ekonomi terhadap Laju Timbulan dan Komposisi Sampah Rumah Tangga di Kecamatan Jombang	<i>Jurnal Teknik ITS (SINTA: 4, IF: 1.1815)</i> 12 (1), C42-C47
44	IDAA Warmadewanthi	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Fly ash electrodes fabricated by an acid-assisted subcritical water extraction method for supercapacitor applications	<i>New Journal of Chemistry</i> 47(8) DOI:10.1039/D2NJ05087K
45	IDAA Warmadewanthi	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	UNDERSTANDING LEVEL OF PKK BANJAR PURWA SANTI BENOA ON MEDICAL MASK WASTE MANAGEMENT AND STRENGTHENING HEALTH PROTOCOLS IN CONTROLLING COVID-19 INFECTION	INDONESIAN JOURNAL OF URBAN AND ENVIRONMENTAL TECHNOLOGY,
46	IDAA Warmadewanthi	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Removal of heavy metals from water by macro-mesoporous calcium alginate–exfoliated clay composite sponges	<i>Chemical Engineering Journal</i> 452, 139261
47	IDAA Warmadewanthi	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Recovery of rare earth elements from phosphogypsum using subcritical water extraction	<i>Chemical Engineering and Processing - Process Intensification</i> this link is disabled
48	Adhi Yuniarto	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Analisis Penghematan Energi pada Instalasi Booster KM. IV PDAM Tirta Musi Kota Palembang	<i>Syntax Literate; Jurnal Ilmiah Indonesia</i> 8 (4), 2381-2395
49	Adhi Yuniarto	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	PENGENDALIAN KEHILANGAN AIR MELALUI PEMBENTUKAN DMA DI PERUMDA AIR MINUM TIRTA RAHARJA KABUPATEN BANDUNG.(STUDI KASUS: WILAYAH PELAYANAN KUTAWARINGIN DAN SODONG-SOREANG)	<i>Jurnal Darma Agung</i> 31 (1), 323-332

50	Harmin Sulistuyaning Tita	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Remediasi Logam Berat Pb dengan Menggunakan Biochar Sekam Padi dan Tongkol Jagung	Jurnal Teknik ITS (SINTA: 4, IF: 1.1815) 12 (1), F48-F53
51	Sarwoko Mangkoedihardjo	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Insights on Sequential Changes to the Ratios of Biochemical Oxygen Demand and Chemical Oxygen Demand.	Journal of Sustainable Development of Energy, Water & Environment Systems (JSDEWES)
52	Sarwoko Mangkoedihardjo	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Phytoarchitecture Integrates Hybrid Onsite Phytosanitation to Suppress Building Environmental Pollution	Pollution
53	IDAA Warmadewanthi	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	The present and proposed sustainable food waste treatment technology in Indonesia: A review	Jurnal Environmental Technology & Innovation Volume 32, November 2023, 103256
54	Adhi Yuniarto	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Microalgal-bacterial aerobic granular sludge for old leachate treatment: Development, performance, and lipid production	Journal of Cleaner Production Volume 417, 10 September 2023, 138053
55	Farid Kamal Muzaki	Biologi/ Fakultas Sains dan Analitika Data	Faunal Drink Dispenser (FDD): Pemanfaatan Semen Reject untuk Pembuatan Kolam Minum Fauna di Karst Rembang	Segawati Vol 7 No 6 (2023)
56	Dewi Hidayati	Biologi/ Fakultas Sains dan Analitika Data	Spatial distribution of Vespa affinis based on land use and population density in Bojonegoro District, East Java Province, Indonesia	Biodiversitas Journal of Biological Diversity Vol. 24 No. 2 (2023)
57	Sarwoko Mangkoedihardjo	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	Urban Phytoarchitecture Design Options: Greenspace Orientation and Tree Species Intensification	Journal of advanced Research in Applied Sciences and Engineering Technology Vol. 31 No. 1: June (2023)
58	Bieby Voijsant Tangahu	Teknik Lingkungan /Fakultas Teknik Sipil Perencanaan dan Kebumian	The application of biosurfactant-producing bacteria immobilized in PVA/SA/bentonite bio-composite for hydrocarbon-contaminated soil bioremediation	Royal Society of Chemistry, 2023, 13, 21163-21170
59	Saidah Altway	Teknik Kimia/ Fakultas Teknologi Industri	Liquid–Liquid Equilibria of Butyric Acid, Water, and Methyl Isobutyl Ketone with the Aid of Biological Buffer as a Green Auxiliary Agent	Journal. Chemical. Engineering. Data 2023, 68, 7, 1706–1715
60	Putu Tantri Kumala Sari	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumian	Effectiveness of Horizontal Sub-drain for Slope Stability on Crack Soil Using Numerical Model	Geotechnical and Geological Engineering Volume 41 Issue 7, September 2023

61	Eko Budi Santoso	Perencanaan Wilayah dan Kota/ Fakultas Teknik Sipil dan Kebumihan	Faktor-Faktor yang Mempengaruhi Transisi Ekonomi Sirkular Dalam Pengelolaan Sampah Rumah Tangga di Kota Surabaya	Jurnal Penataan Ruang Jilid 18/ 1/9 - 18
62	Totok Soehartanto	Teknik Instrumentasi/Fakultas Vokasi	Control Strategies for Enhanced Biogas Production from Chicken Manure	ChemBioEng Reviews Volume 10, Issue 4 p. 423-440
63	Totok Soehartanto	Teknik Instrumentasi/Fakultas Vokasi	Co-anaerobic digestion of sawdust and chicken manure with plant herbs: Biogas generation and kinetic study	Heliyon Volume 9, Issue 6, June 2023, e17096
64	Fahimah Martak	Kimia/Fakultas Sains dan Analitika Data	Addition of graphene oxide to ZIF-8/HKUST-1 composite for enhanced adsorptive and photocatalytic removal of congo red in wastewater	South African Journal of Chemical Engineering Volume 46, October 2023, Pages 132-142
65	Ema Umilia	Perencanaan Wilayah dan Kota/ Fakultas Teknik Sipil dan Kebumihan	STRATEGI PENGEMBANGAN POTENSI WISATA KORIDOR JEMBATAN SURABAYA BERDASARKAN PREFERENSI PENGUNJUNG	Jurnal Teknik ITS VI 12 No 1 2023
66	Hertiari Idajati	Perencanaan Wilayah dan Kota/ Fakultas Teknik Sipil dan Kebumihan	IDENTIFIKASI VARIABEL BERPENGARUH PADA PENGEMBANGAN KAWASAN AGROWISATA LUBUK MINTURUN, KECAMATAN KOTO TANGAH, KOTA PADANG	Jurnal Teknik ITS VI 12 No 1 2023
67	Deti Rahmawati	Studi Pembangunan	Analisis Pengembangan Desa Wisata untuk Keberlanjutan Petani Strawberry di Desa Wisata Pandanrejo Menggunakan Metode Participatory Rural Appraisal (PRA)	Jurnal Sosial Humaniora Vol 16 No 1 2023

Conference

No	Nama	Departemen/ Fakultas	Judul Publikasi	Detail Publisher
1	Bangun Muljo Sukojo	Teknik Geomatika/ Fakultas Teknik Sipil Perencanaan dan Kebumihan	Analysis of The Effect of Deforestation Rates on Air Pollution Concentration and Land Surface Temperature Using Landsat-8 Imagery with Google Earth Engine (Case Study: East Kalimantan Province, 2019-2020)	<i>IOP Conference Series: Earth and Environmental Science</i> , 1127(1), [012032]. https://doi.org/10.1088/1755-1315/1127/1/012032
2	Dwa Desa Warnana	Teknik Geofisika/ Fakultas Teknik Sipil Perencanaan dan Kebumihan	Determination of Geoelectrical Strike To Investigate The Geological Structures In Surabaya And Gresik Areas	<i>IOP Conference Series: Earth and Environmental Science</i> , 1127(1), [012018]. https://doi.org/10.1088/1755-1315/1127/1/012018
3	Widya Utama	Teknik Geofisika/ Fakultas Teknik Sipil Perencanaan dan Kebumihan	Physiographic Study for Hydrology of Benowo Region Surabaya	<i>IOP Conference Series: Earth and Environmental Science</i> , 1127(1), [012019]. https://doi.org/10.1088/1755-1315/1127/1/012019
4	Christiono Utomo	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumihan	A spatial data-driven decision analysis of pipe failure management in water supply system	Proceedings of the Symposium on Advance of Sustainable Engineering 2021, SIMASE 2021: Post Covid-19 Pandemic: Challenges and Opportunities in Environment, Science, and Engineering Research [050029] (AIP Conference Proceedings; Vol. 2646). American Institute of Physics Inc.. https://doi.org/10.1063/5.0139420
5	Mohammad Arif Rohman	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumihan	Evaluation of the Public Procurement Principles Implementation in Surabaya Construction Projects	<i>Proceedings of the 5th International Conference on Rehabilitation and Maintenance in Civil Engineering - ICRMCE 2021</i> (pp. 901-911). (Lecture Notes in Civil Engineering; Vol. 225). Springer Science and Business Media Deutschland GmbH. https://doi.org/10.1007/978-981-16-9348-9_80
6	Amien Widodo	Teknik Geofisika/ Fakultas Teknik Sipil Perencanaan dan Kebumihan	Fault Structure Interpretation on the Western Part of East Java Using Second Vertical Derivative	Proceedings of the 5th International Conference on Rehabilitation and Maintenance in Civil Engineering - ICRMCE 2021 (pp. 511-522). (Lecture Notes in Civil Engineering; Vol. 225). Springer Science and Business Media Deutschland GmbH. https://doi.org/10.1007/978-981-16-9348-9_45
7	Ary Mazharuddin Shiddiqi	Sistem Informasi/Fakultas Teknologi Informasi dan Komunikasi	MQTT Broker Performance Comparison between AWS, Microsoft Azure and Google Cloud Platform	Proceedings: IEEE International Conference on Recent Trends in Electronics and Communication: Upcoming Technologies for Smart Systems (ICRTEC 2023 - Proceedings: IEEE International Conference on Recent Trends in Electronics and Communication: Upcoming Technologies for Smart Systems). Institute of Electrical and Electronics Engineers Inc.. https://doi.org/10.1109/ICRTEC56977.2023.10111870
8	Hera Widyastuti	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumihan	Prediction of speed limit on the railway track using track quality index and multibody dynamics simulation	<i>Structural Health Monitoring- The 9th Asia-Pacific Workshop on Structural Health Monitoring, 9APWSHM 2022</i> (pp. 59-66). (Materials Research Proceedings; Vol. 27). Association of American Publishers. https://doi.org/10.21741/9781644902455-8

9	Raden Darmawan	Teknik Kimia/Fakultas Teknologi Industri	Production of electricity from food waste using microbial fuel cell and hydrolytic microorganisms	2nd International Symposium of Indonesian Chemical Engineering 2021: Enhancing Innovations and Applications of Chemical Engineering for Accelerating Sustainable Development Goals [030008] (AIP Conference Proceedings; Vol. 2667). American Institute of Physics Inc.. https://doi.org/10.1063/5.0112304
10	Raden Darmawan	Teknik Kimia/Fakultas Teknologi Industri	Production of reducing sugar from food waste using hydrolytic microorganisms	3rd Faculty of Industrial Technology International Congress 2021 International Conference: Enriching Engineering Science through Collaboration of Multidisciplinary Fields [060001] (AIP Conference Proceedings; Vol. 2772). American Institute of Physics Inc.. https://doi.org/10.1063/5.0115414
11	Dwa Desa Warnana	Teknik Geofisika/ Fakultas Teknik Sipil Perencanaan dan Kebumihan	Seepage identification in the LUSI embankment via SP analysis using ensemble Kalman inversion	2nd International Symposium on Physics and Applications 2021 [040001] (AIP Conference Proceedings; Vol. 2604). American Institute of Physics Inc.. https://doi.org/10.1063/5.0114100
12	Hera Widyastuti	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumihan	The Analysis of Quality Service Suroboyo Bus Based on Passenger's Perception	3rd International Conference on Science, Mathematics, Environment, and Education: Flexibility in Research and Innovation on Science, Mathematics, Environment, and Education for Sustainable Development [060008] (AIP Conference Proceedings; Vol. 2540). American Institute of Physics Inc.. https://doi.org/10.1063/5.0107366
13	Enny Zulaika	Biologi/ Fakultas Sains dan Analitika Data	The Diversity of Bacillus Resistant Iron (Fe) Isolated from ITS Eco Urban Farming Using Phenetic Numerical Taxonomy Approach	, 4th International Conference on Life Science and Technology, ICoLiST 2023 [020016] (AIP Conference Proceedings; Vol. 2634). American Institute of Physics Inc.. https://doi.org/10.1063/5.0111310
14	Harmin Sulistyaning Titah	Teknik Lingkungan/Fakultas Teknik Sipil Perencanaan dan Kebumihan	Approach of dynamic system in heavy metals (zinc) phytoremediation on mangrove plant (Avicennia marina)	6th International Conference on Energy, Environment, Epidemiology and Information System, ICENIS 2021: Topic of Energy, Environment, Epidemiology, and Information System [030041] (AIP Conference Proceedings; Vol. 2683). American Institute of Physics Inc.. https://doi.org/10.1063/5.0125528
15	Christiono Utomo	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumihan	A spatial data-driven decision analysis of pipe failure management in water supply system	Proceedings of the Symposium on Advance of Sustainable Engineering 2021, SIMASE 2021: Post Covid-19 Pandemic: Challenges and Opportunities in Environment, Science, and Engineering Research [050029] (AIP Conference Proceedings; Vol. 2646). American Institute of Physics Inc.. https://doi.org/10.1063/5.0139420
16	Harmin Sulistyaning Titah	Teknik Lingkungan/Fakultas Teknik Sipil Perencanaan dan Kebumihan	Effects of annealing and hardening on steel against bio-corrosion resistance	6th International Conference on Energy, Environment, Epidemiology and Information System, ICENIS 2021: Topic of Energy, Environment, Epidemiology, and Information System [030064] (AIP Conference Proceedings; Vol. 2683). American Institute of Physics Inc.. https://doi.org/10.1063/5.0125530
17	Arseto Yekti Bagastyo	Teknik Lingkungan/Fakultas Teknik Sipil Perencanaan dan Kebumihan	Electro dialytic recovery of bittern wastewater generated from salt industry	6th International Conference on Energy, Environment, Epidemiology and Information System, ICENIS 2021: Topic of Energy, Environment, Epidemiology, and Information System [030031] (AIP Conference Proceedings; Vol. 2683). American Institute of Physics Inc.. https://doi.org/10.1063/5.0126019
18	Mohammad Arif Rohman	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumihan	Evaluation of the Public Procurement Principles Implementation in Surabaya Construction Projects	Proceedings of the 5th International Conference on Rehabilitation and Maintenance in Civil Engineering - ICRMCE 2021 (pp. 901-911). (Lecture Notes in Civil Engineering; Vol. 225). Springer Science and Business Media Deutschland GmbH. https://doi.org/10.1007/978-981-16-9348-9_80

19	Dwa Desa Warnana	Teknik Geofisika/Fakultas Teknik Sipil Perencanaan dan Kebumian	Fault Structure Interpretation on the Western Part of East Java Using Second Vertical Derivative	Proceedings of the 5th International Conference on Rehabilitation and Maintenance in Civil Engineering - ICRMCE 2021 (pp. 511-522). (Lecture Notes in Civil Engineering; Vol. 225). Springer Science and Business Media Deutschland GmbH. https://doi.org/10.1007/978-981-16-9348-9_45
20	Harmin Sulistiyaning Titah	Teknik Lingkungan/Fakultas Teknik Sipil Perencanaan dan Kebumian	Salinity reduction using capacitive deionization (CDI) reactor in batch system	6th International Conference on Energy, Environment, Epidemiology and Information System, ICENIS 2021: Topic of Energy, Environment, Epidemiology, and Information System [030040] (AIP Conference Proceedings; Vol. 2683). American Institute of Physics Inc.. https://doi.org/10.1063/5.0125527
21	Eko Budi Santoso	Perencanaan Wilayah dan Kota/ Fakultas Teknik Sipil dan Kebumian	A review of research methods on highest and best use for toll rest area	Materials Today: Proceedings jilid 85 halaman 19-23 penerbit Elsevier
22	Eko Budi Santoso	Perencanaan Wilayah dan Kota/ Fakultas Teknik Sipil dan Kebumian	Sustainable Rural Infrastructure Development in Tosari District, Pasuruan Regency, Indonesia	IOP Conference Series: Earth and Environmental Science, Jilid 1186, Terbitan 1 halaman 0120006 penerbit IOP Publishing
23	Berlian Al Kindhi	Teknik Elektro Otomasi/Fakultas Vokasi	Enhancing Wind Power Forecast Precision via Multi-head Attention Transformer: An Investigation on Single-step and Multi-step Forecastin	International Joint Conference on Neural Networks (IJCNN) 18-23 June 2023 Gol Coast Australia Publisher : IEEE
24	Hertiari Idaati	Perencanaan Wilayah dan Kota/ Fakultas Teknik Sipil dan Kebumian	Analysis DPSIR for the Strategic Environment Assessment in Planning Development in Agropolitan Areas and Minapolitan Areas in East Java	IOP Conference Series: Earth and Environmental Science. 1186, 1, 012008.
25	Arseto Yekti Bagastyo	Teknik Lingkungan/Fakultas Teknik Sipil Perencanaan dan Kebumian	Characteristics of humate soil from landfill mining in Bantargebang Integrated Solid Waste Treatment Facility, Indonesia	IOP Conference Series: Earth and Environmental Science. 1201, 1, 012002. Research output: Contribution to journal › Conference article › peer-review
26	Totok Soehartanto	Teknik Instrumentasi/Fakultas Vokasi	Digital monitoring system for anaerobic bioreactor conditions based on information on biogas volume, biogas pressure and methane gas content	IOP Conference Series: Earth and Environmental Science. 1187, 1, 012025.

27	Ema Umilia	Perencanaan Wilayah dan Kota/ Fakultas Teknik Sipil dan Kebumian	How do Public Policies impact Housing Provision? An empirical study of housing in Surabaya, Indonesia	IOP Conference Series: Earth and Environmental Science. 1186, 1, 012012.
28	Dwa Desa Warnana	Teknik Geofisika/Fakultas Teknik Sipil Perencanaan dan Kebumian	Hypocenter Relocation of Local Earthquake using Double Difference Method in Central Sulawesi from BMKG Network Data: Time Periods of July 26 - August 18, 2021	IOP Conference Series: Earth and Environmental Science. 1157, 1, 012023.
29	Kriyo Sambodho	Teknik Kelautan /Fakultas Teknologi Kelautan	Mooring Analysis of Ocean FarmITS (OFITS)	IOP Conference Series: Earth and Environmental Science. 1166, 1, 012035.
30	Murdjito	Teknik Kelautan /Fakultas Teknologi Kelautan	Strength analysis of air cooler support frame (ACSF) platform due to corrosion	IOP Conference Series: Earth and Environmental Science. 1166, 1, 012037
31	Januarti Jaya Eka Putri	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumian	Study of Self Compacting Geopolymer Concrete (SCGC) haunch beams at monotonic loading and loading-unloading scheme	IOP Conference Series: Earth and Environmental Science. 1195, 1, 012009
32	Januarti Jaya Eka Putri	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumian	The characteristic of very high-performance concrete (VHPC)	IOP Conference Series: Earth and Environmental Science. 1195, 1, 012033.
33	Totok Soehartanto	Teknik Instrumentasi/Fakultas Vokasi	Analysis of heat recovery steam generator performance through simulation based on artificial neural network	American Institute of Physics Inc., 040012. (AIP Conference Proceedings; vol. 2580).
34	Totok Soehartanto	Teknik Instrumentasi/Fakultas Vokasi	Performance Analysis Method through Process Variable Modeling to Maintain Top Product Quality on Fuel Gas Scrubber Performance: A Case Study of Fuel Gas Scrubber 141-V-01	19 May 2023, Proceedings of the International Conference on Advanced Technology and Multidiscipline, ICATAM 2021: "Advanced Technology and Multidisciplinary Prospective Towards Bright Future" Faculty of Advanced Technology and Multidiscipline;
35	Ary Mazharuddin Shiddiqi	Sistem Informasi/Fakultas Teknologi Informasi dan Komunikasi	Feature Selection using Gravitational Search Algorithm in Customer Churn Prediction	SMSI 2023 - 2023 7th International Conference on Intelligent Systems, Metaheuristics and Swarm Intelligence. Association for Computing Machinery, p. 73-78 6 p. (ACM International Conference Proceeding Series).
36	Ary Mazharuddin Shiddiqi	Sistem Informasi/Fakultas Teknologi Informasi dan Komunikasi	Implementing Autoencoder Compression to Intrusion Detection System	Hybrid Intelligent Systems - 22nd International Conference on Hybrid Intelligent Systems HIS 2022
37	Ary Mazharuddin Shiddiqi	Sistem Informasi/Fakultas Teknologi Informasi dan Komunikasi	Network Behavior Anomaly Detection using Decision Tree	Proceedings - 2023 12th IEEE International Conference on Communication Systems and Network Technologies, CSNT 2023. Institute of Electrical and Electronics Engineers Inc., p. 705-709 5 p. (Proceedings - 2023 12th IEEE International Conference on Communication Systems and Network Technologies, CSNT 2023).

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39	Totok Soehartanto	Teknik Instrumentasi/Fakultas Vokasi	Process dynamics modeling of H2S removal plant at Pt. Saka Indonesia Pangkah limited based on artificial neural network	22 May 2023, Engineering Physics International Conference 2021, EPIC 2021
40	Januarti Jaya Eka Putri	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumian	The Application of Microbes to the Fly Ash-Based Alkali-Activated Material Performance Containing Slag	2023, Proceedings of the Green Materials and Electronic Packaging Interconnect Technology Symposium - EPITS Springer Science and Business Media Deutschland GmbH, p. 247-262 16 p. (Springer Proceedings in Physics; vol. 289). 2022
41	Totok Soehartanto	Teknik Instrumentasi/Fakultas Vokasi	The control design optimization of boiler mini plant in the workshop laboratory scale based on ratio control	22 May 2023, Engineering Physics International Conference 2021, EPIC 2021. American Institute of Physics Inc., 040013. (AIP Conference Proceedings; vol. 2580).
42	Januarti Jaya Eka Putri	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumian	The Effect of GGBFS and Additional Cement, Water, and Superplasticizer on the Mechanical Properties of Workable Geopolymer Concrete	Proceedings of the Green Materials and Electronic Packaging Interconnect Technology Symposium - EPITS 2022 Springer Science and Business Media Deutschland GmbH, p. 387-401 15 p. (Springer Proceedings in Physics; vol. 289).
43	Januarti Jaya Eka Putri	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumian	The Effect of Replacing Natural Aggregate with Geopolymer Artificial Aggregates on Air Voids of Hot Mix Asphalt	2023, Proceedings of the 9th International Conference on Civil Engineering. Feng, G. (ed.). Springer Science and Business Media Deutschland GmbH, p. 455-467 13 p. (Lecture Notes in Civil Engineering; vol. 327 LNCE).
44	Ary Mazharuddin Shiddiqi	Sistem Informasi/Fakultas Teknologi Informasi dan Komunikasi	Video Compression Using Deep Learning Approach on Drone Video Footage	19 May 2023, Proceedings of the International Conference on Advanced Technology and Multidiscipline, ICATAM 2021: "Advanced Technology and Multidisciplinary Prospective Towards Bright Future" Faculty of Advanced Technology and Multidiscipline. Widiyanti, P., Jiwanti, P. K., Prihandana, G. S., Ningrum, R. A., Prastio, R. P., Setiadi, H. & Rizki, I. N. (eds.). American Institute of Physics Inc., 060003. (AIP Conference Proceedings; vol. 2536).
45	IDAA Warmadewanthi	Teknik Lingkungan/Fakultas Teknik Sipil Perencanaan dan Kebumian	Developing New Indonesia Circular Economy Indicators: A Lesson Learnt from European Union	IPTEK Journal of Proceedings Series, 51-54
46	IDAA Warmadewanthi	Teknik Lingkungan/Fakultas Teknik Sipil Perencanaan dan Kebumian	A Review of Circular Economy Index from Many Perspective	IPTEK Journal of Proceedings Series, 8-12
47	IDAA Warmadewanthi	Teknik Lingkungan/Fakultas Teknik Sipil Perencanaan dan Kebumian	Measurement of Recyclable Raw Materials Trading for Circular Economy Implementation	IPTEK Journal of Proceedings Series, 55-57

48	Lestari, W., Widodo, A., Warnana, D. D.,	Teknik Geofisika/FTSPK	Determination of Geoelectrical Strike To Investigate The Geological Structures In Surabaya And Gresik Areas	IOP Conference Series: Earth and Environmental Science. 1127, 1, 012018.
49	Soehartanto, T., Putu Eka Widya Pratama, I., Tanaya, J. F.	Teknik Instrumentasi/F.Vokasi	Digital monitoring system for anaerobic bioreactor conditions based on information on biogas volume, biogas pressure and methane gas content	IOP Conference Series: Earth and Environmental Science. 1187, 1, 012025.
50	Syahroni, N., Wahyudi, Sambodho, K.	Teknik Kelautan/FTK	Mooring Analysis of Ocean FarmITS (OFITS)	IOP Conference Series: Earth and Environmental Science. 1166, 1, 012035.
51	Sambodho, K.	Teknik Kelautan/FTK	Strength analysis of air cooler support frame (ACSF) platform due to corrosion	IOP Conference Series: Earth and Environmental Science. 1166, 1, 012037.
52	Santoso, E. B., Siswanto, V. K	Teknik Sipil /Fakultas Teknik Sipil Perencanaan dan Kebumihan	Sustainable Rural Infrastructure Development in Tosari District, Pasuruan Regency, Indonesia	IOP Conference Series: Earth and Environmental Science. 1186, 1, 012006.