

Data Publikasi Dosen Fisika
Fakultas Matematika Dan Ilmu Pengetahuan Alam
Universitas Riau
2020

No	Dosen	Judul paper	Jurnal dan Penerbit	doi
1.	Prof. Dr. Erman Taer, S.Si, M.Si	Analysis of Characteristics of Activated Carbon from Cacao (Theobroma cacao) Skin Waste for Supercapacitor Electrodes Authors: Y Yetri, D Dahlan, E Taer	IOP Conference Series: Materials Science and Engineering IOP Publishing Ltd.	DOI 10.1088/1757-899X/990/1/012023
2.	Prof. Dr. Erman Taer, S.Si, M.Si	Conversion Syzygium oleana leaves biomass waste to porous activated carbon nanosheet for boosting supercapacitor performances Authors: E Taer , A Apriwandi, R Taslim, A Agutino, DA Yusra	Journal of Materials Research and Technology Elsevier Editora Ltda	https://doi.org/10.1016/j.jmrt.2020.09.049
3.	Prof. Dr. Erman Taer, S.Si, M.Si	Porous activated carbon monolith with nanosheet/nanofiber structure derived from the green stem of cassava for supercapacitor application Authors: E Taer , N Yanti, WS Mustika, A Apriwandi, R Taslim, A Agustino	International Journal of Energy Research John Wiley and Sons Ltd	https://doi.org/10.1002/er.5639
4.	Prof. Dr. Erman Taer, S.Si, M.Si	Composition Modification of Iron Oxide Particles Using Activated Carbon for Adsorbtion of Cooper-Polluted Water From Siak River Water Pekanbaru, Riau Authors: W Mardhatillah, E Amiruddin, E Taer	Journal of Physics: Conference Series IOP Publishing Ltd.	doi:10.1088/1757-8996/1655/1/012159
5.	Prof. Dr. Erman Taer, S.Si, M.Si	The physical and electrochemical properties of activated carbon electrode derived from pineapple leaf waste for supercapacitor applications Authors:	Journal of Physics: Conference Series IOP Publishing Ltd.	DOI 10.1088/1757-8996/1655/1/012008

		A Amri, R Taslim, E Taer		
6.	Prof. Dr. Erman Taer, S.Si, M.Si	Activated Carbon Monolith Derived from Coconut Husk Fiber as Electrode Material for Supercapacitor Energy Storage Authors: E Taer , VM Naipospos, R Taslim	Journal of Physics: Conference Series IOP Publishing Ltd.	DOI 10.1088/1742-6596/1655/1/012164
7.	Prof. Dr. Erman Taer, S.Si, M.Si	Bamboo-based activated carbon as binder-free electrode of supercapacitor application Authors: E Taer , M Sihombing, R Taslim	Journal of Physics: Conference Series IOP Publishing Ltd.	DOI 10.1088/1742-6596/1655/1/012163
8.	Prof. Dr. Erman Taer, S.Si, M.Si	A high potential of biomass leaves waste for porous activated carbon nanofiber/Nanosheet as electrode material of supercapacitor Authors: Apriwandi, Agustino, Erman Taer and Rika Taslim	Journal of Physics: Conference Series IOP Publishing Ltd.	DOI 10.1088/1742-6596/1655/1/012007
9.	Prof. Dr. Erman Taer, S.Si, M.Si	Synthesis of activated carbon monolith derived from cocoa pods for supercapacitor electrodes application Authors: Y Yetri, AT Hoang, Mursida, D Dahlan, Muldarisnur, E Taer , MQ Chau	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects Taylor and Francis Ltd.	https://doi.org/10.1080/15567036.2020.1811433
10.	Prof. Dr. Erman Taer, S.Si, M.Si	Three-dimensional pore structure of activated carbon monolithic derived from hierarchically bamboo stem for supercapacitor application Authors: E Taer , L Pratiwi, A Apriwandi, WS Mustika, R Taslim, A Agustino	Communications in Science and Technology Komunitas Ilmuwan dan Profesional Muslim Indonesia	https://doi.org/10.21924/cst.51.2020.180
11.	Prof. Dr. Erman Taer, S.Si, M.Si	The synthesis of activated carbon nanofiber electrode made from acacia leaves (<i>Acacia mangium wild</i>) as supercapacitors Authors:	Advances in Natural Sciences: Nanoscience and Nanotechnology IOP Publishing Ltd.	DOI 10.1088/2043-6254/ab8b60

		E Taer , K Natalia, A Apriwandi, R Taslim, A Agustino, R Farma		
12.	Prof. Dr. Erman Taer, S.Si, M.Si	Electrode of supercapacitor synthesized from leaf bunch of oil palm for enhancing capacitive properties Authors: R Taslim, MN Sari, Agustino, Apriwandi, E Taer	AIP Conference Proceedings American Institute of Physics	https://doi.org/10.1063/5.0003167
13.	Prof. Dr. Erman Taer, S.Si, M.Si	Activated carbon material based on angsana leaves (Pterocarpus indicus) prepared by ZnCl ₂ activation method as electrode for high performance supercapacitor Authors: R Taslim, Suwandana, M Jelita, S Afriani, Agustino, Apriwandi, E Taer	AIP Conference Proceedings American Institute of Physics	https://doi.org/10.1063/5.0003186
14.	Prof. Dr. Erman Taer, S.Si, M.Si	Carbon nanofiber electrode synthesis from biomass materials for supercapacitor applications Authors: E Taer , R Taslim, Apriwandi, Agustino	AIP Conference Proceedings American Institute of Physics	https://doi.org/10.1063/5.0003158
15.	Prof. Dr. Erman Taer, S.Si, M.Si	Identification of cacao peels potential as a basic of electrodes environmental friendly supercapacitors Authors: Y Yetri, D Dahlan, E Taer	Key Engineering Materials Trans Tech Publications	https://doi.org/10.4028/www.scientific.net/KEM.846.274
16.	Dr. Ing. Lazuardi, M.Si	Anti-Reflecting Coating to Improve the Performance of Polycrystalline Photovoltaic Module Authors: MS Putri, A Wati, AS Rini, L Umar	Journal of Physics: Conference Series IOP Publishing Ltd.	DOI 10.1088/1742-6596/1655/1/012016
17.	Dr. Ing. Lazuardi, M.Si	Effect of vegetation profile and air data rate on packet loss performance of lora e32-30dbm 433 MHz as a wireless data transmission Authors: E Wiyadi, RN Setiadi, L Umar	Journal of Physics: Conference Series IOP Publishing Ltd.	DOI 10.1088/1742-6596/1655/1/012015

18.	Dr. Ing. Lazuardi, M.Si	Smart Box Development for Food Storage with PCI-Based Temperature PID Control Authors: A Nugroho, RN Setiadi, L Umar	Journal of Physics: Conference Series IOP Publishing Ltd.	DOI 10.1088/1742-6596/1655/1/012017
19.	Dr. Ing. Lazuardi, M.Si	Parasitic resistance calculation of PV module at various irradiance based on three condition Lambert-W Authors: L Umar , A Wati, E Wiyadi, Y Hamzah	Journal of Physics: Conference Series IOP Publishing Ltd.	DOI 10.1088/1742-6596/1528/1/012049
20.	Dr. Ing. Lazuardi, M.Si	Simple IV acquisition module with high side current sensing principle for real time photovoltaic measurement Authors: E Wiyadi, A Wati, Y Hamzah, L Umar	Journal of Physics: Conference Series IOP Publishing Ltd.	DOI 10.1088/1742-6596/1528/1/012040
21.	Prof. Dr. Saktioto. M.Phil	The prediction of earthquake building structure strength: modified k-nearest neighbour employment Authors: O Okfalisa, S Nugraha, S Saktioto , Z Zulkifli, SSM Fauzi	Indonesian Journal of Electrical Engineering and Informatics (IJEEI) Institute of Advanced Engineering and Science (IAES)	DOI: 10.52549/ijeei.v8i4.2403
22.	Prof. Dr. Saktioto. M.Phil	Online Shop Recommendations: Decision Support System Based on Multi-Objective Optimization on the Basis of Ratio Analysis Authors: Okfalisa; Zulfahri; Dwi Utari Iswavigra; Megawati; Saktioto	2020 8th International Conference on Cyber and IT Service Management (CITSM) IEEE	DOI: 10.1109/CITSM50537.2020.9268848
23.	Prof. Dr. Saktioto. M.Phil	Nanostructure Fusion Region of Single Mode Fiber Coupler Authors: Dedi Irawan, Z Fakhrudin, Mustakim, Rian Vebrianto and Saktioto	Journal of Physics: Conference Series IOP Publishing Ltd.	DOI 10.1088/1742-6596/1655/1/012001
24.	Prof. Dr.	Transmission spectra of single	Telkomnika	http://doi

	Saktioto. M.Phil	ring coupled-waveguide resonator configuration by finite difference time domain method Authors: H bin Mohd Hairi, S Saktioto , RF Syahputra, O Okfalisa, S Anita	(Telecommunication Computing Electronics and Control) Universitas Ahmad Dahlan	org/10.12928/telkomnika.v18i5.12621
25.	Prof. Dr. Saktioto. M.Phil	Birefringence and polarization mode dispersion phenomena of commercial optical fiber in telecommunication networks Authors: Saktioto , Yoli Zairmi, Velia Veriyanti, Wahyu Candra, Romi Fadli Syahputra, Yan Soerbakti, Vepy Asyana....	Journal of Physics: Conference Series IOP Publishing Ltd.	DOI 10.1088/1742-6596/1655/1/012160
26.	Prof. Dr. Saktioto. M.Phil	Development of WDM System in Optical Amplifiers by Manipulating Fiber Length and Bandwidth for Telecommunication System Authors: Roby Ikhsan, Romi F. Syahputra, Suhardi, Saktioto , Nor Ain Husein & Okfalisa	Emerging Trends in Intelligent Computing and Informatics: Data Science Springer	https://doi.org/10.1007/978-3-030-33582-3_58
27.	Prof. Dr. Saktioto. M.Phil	Smart Group Decision Making on Leadership Style Identification Using Bayes Theorem Authors: Okfalisa, Frica A. Ambarwati, Fitri Insani, Toto Saktioto & Angraini	Emerging Trends in Intelligent Computing and Informatics: Data Science Springer	https://doi.org/10.1007/978-3-030-33582-3_85
28.	Prof. Dr. Saktioto. M.Phil	Characteristic of electrical power dissipation of oil palm fruits during storage time Authors: RFS Saktioto , Y Soerbakti, A Saputra, HH Syasudhuha, S Anita	Journal of Southwest Jiaotong University Science Press	https://doi.org/10.35741/issn.0258-2724.55.6.11
29.	Dr. Ari Sulisty Rini, M.Sc	Investigation of Structural, Morphological and Optical Properties of Sulfur Doped Zinc Oxide Nanorod Authors: AS Rini , Y Rati, AA Umar, NU	International Journal of Nanoelectronics and MaterialsUniversiti Malaysia Perlis (UniMAP)	http://dsp.ace.unima.p.edu.my:80/xmlui/handle/123456789/

		Adillah		69808
30.	Dr. Ari Sulisty Rini, M.Sc	Liquid Phase Deposition of TiO ₂ Films for Electron Transport Layer of Perovskite Solar Cells Authors: AS Rini , MP Deraf, H Yanuar, AA Umar	Journal of Nano- and Electronic Physics Sumy State University	https://doi.org/10.21272/jnep.12(3).03019
31.	Dr. Ari Sulisty Rini, M.Sc	Optical, structural and morphological studies of TiO ₂ thin film synthesized by liquid phase deposition method Authors: AS Rini, MP Deraf, Y Hamzah, AA Umar	AIP Conference Proceedings American Institute of Physics	https://doi.org/10.1063/5.0003175
32.	Dr. Yanuar, M.Si	Numerical simulation of temperature and electric field distributions in the microwave heating of petroleum coke Authors: H Yanuar, D Kacaribu, U Lazuardi, J Copriady, M Mardhiansyah	Journal of Nano- and Electronic Physics Sumy State University	DOI:10.21272/jnep.12(3).03006
33.	Prof. Dr. Rakhmawati Farma, M.Si	Preparation and Characterization Activated Carbon Based on Mesocarp of Bintaro Fruit as Electrode Materials Supercapacitor Cell Application	Journal Of Physics: Conference Series	10.1088/1742-6596/1655/1/012157
34.	Prof. Dr. Rakhmawati Farma, M.Si	Fabrikasi dan Karakterisasi Elektroda Karbon dari Biomassa Serabut Buah Nipah dengan Variasi Konsentrasi Aktivator KOH	Prosiding Seminar Nasional Fisika Universitas Riau	
35.	Prof. Dr. Rakhmawati Farma, M.Si	Pembuatan dan Karakterisasi Elektroda Karbon Aktif dari Biomassa Pelepah Aren dengan Persentase KOH	Prosiding Seminar Nasional Fisika Universitas Riau	
36.	Prof. Dr Iwantono. M.Phil	Program Pendampingan Usaha Mikro Kecil Dan Menengah Dalam Menyediakan Baju Hazmat Di Kota Pekanbaru	<i>Jurnal Pengabdian Kepada Masyarakat</i>	
37.	Prof. Dr Iwantono. M.Phil	Strategi Penanganan Covid-19 Melalui Pemberdayaan UMKM Dalam Memproduksi APD Di Kota Pekanbaru	<i>Unri Conference Series: Community Engagement</i>	https://doi.org/10.31258/Unriccsce.2.537-540
38.	Prof. Dr Iwantono. M.Phil	Performances Of Dye-Sensitized Solar Cell (DSSC) With Working Electrode Of	<i>Science, Technology & Communication Journal</i>	

		Aluminum-Doped ZNO Nanorods		
39.	Prof. Dr Iwantono. M.Phil	Palladium Role In Growth Of ZNO Nanostructure With Plasmonics Layering By Seed Mediated Hydrothermal Method	<u>Key Engineering Materials</u>	https://doi.org/10.4028/www.scientific.net/Kem.860.253
40.	Prof. Dr Iwantono. M.Phil	Aluminum Doping For Enhancing Charge Photoanode ZNO Nanorod For DSSC	International Journal Of Nanoelectronics And Materials	
41.	Prof. Dr Iwantono. M.Phil	The Oriented Attachment Model Applied On Crystal Growth Of Hydrothermal Derived Magnetite Nanoparticles	Indonesian Journal Of Chemistry	https://doi.org/10.22146/ijc.42917
42.	Prof. Dr Iwantono. M.Phil	Pengaruh Penambahan Logam Transisi Nikel Terhadap Sifat Fisis Nanorod ZNO	Komunikasi Fisika Indonesia	
43.	Dr. Ing. Rahmondia Nanda Setiadi, M.Si	Effect Of Vegetation Profile And Air Data Rate On Packet Loss Performance Of Lora E32-30dbm 433 MHz As A Wireless Data Transmission	<i>Journal Of Physics: Conference Series</i>	10.1088/1742-6596/1655/1/012015
44.	Dr. Ing. Rahmondia Nanda Setiadi, M.Si	Smart Box Development For Food Storage With Pci-Based Temperature Pid Control	<i>Journal Of Physics: Conference Series</i>	10.1088/1742-6596/1655/1/012017
45.	Drs. Salomo, M.Si	Analisa Suseptibilitas Magnetik Dan Kandungan Logam Berat Akibat Polutan Kendaraan Bermotor Di Beberapa Ruas Jalan Kota Pekanbaru	<i>Komunikasi Fisika Indonesia</i>	
46.	Drs. Salomo, M.Si	Analisa Sifat Magnetik Dan Identifikasi Kandungan Pasir Sungai Kampar Provinsi Riau	<i>Komunikasi Fisika Indonesia</i>	
47.	Drs. Salomo, M.Si	Analisa Suseptibilitas Magnetik Dan Kandungan Logam Berat Pada Tanah Perkebunan Kelapa Sawit	<i>Komunikasi Fisika Indonesia</i>	
48.	Prof. Dr. Juandi M, M.Si	Survei Geolistrik Resistivity Aturan Schlumberger Untuk Studi Air Bawah Tanah Di Lahan Pertanian Palawija Marpoyan Damai	<i>Prosiding Seminar Nasional Fisika Universitas Riau</i>	

49.	Prof. Dr. Juandi M, M.Si	Analysis Of Shallow Well Depth Prediction: A Study Of Temporal Variation Of Grace Satellite Data In Tampan District-Pekanbaru, Indonesia	<i>Science, Technology & Communication Journal</i>	
50.	Prof. Dr. Juandi M, M.Si	Water Sustainability Model For Estimation Of Groundwater Availability In Kemuning District, Riau-Indonesia	<i>Journal Of Groundwater Science And Engineering</i>	10.19637/J.Cnki.2305-7068.2020.01.003
51.	Prof. Dr. Juandi M, M.Si	Investigation Of The Distribution Of Aquifers And Groundwater Quality In The Village Of Rimbo Panjang, Kampar District	Science, Technology & Communication Journal	
52.	Prof. Dr. Juandi M, M.Si	Interpretation Geothermal Energy Using Geoelectric Method With Dipole-Dipole In Pawan Village, Rokan Hulu Regency	<i>Jurnal.Unsyiah.Ac.Id</i>	https://doi.org/10.24815/Jacps.V9i2.15304
53.	Prof. Dr. Juandi M, M.Si	Study Of Groundwater Pathway In The Shallow Bedrock Area Using Very Low Frequency Method	<i>Journal Of Physics: Conference Series</i>	10.1088/1742-6596/1655/1/012147
54.	Prof. Dr. Juandi M, M.Si	Interpretation Intrusion Of Seawater Using Geoelectricity And Measurement Of The Well Water Salinity In Kijang Island, Indragiri Hilir District	<i>Journal Of Physics: Conference Series</i>	10.1088/1742-6596/1655/1/012161
55.	Prof. Dr. Juandi M, M.Si	Pemetaan Potensi Sumber Daya Air Bawah Tanah Di Kecamatan Rumbai Pesisir Dengan Menggunakan Metode Geolistrik Aturan Schlumberger	<i>Jurnal Aplikasi Teknologi</i>	https://doi.org/10.30606/Aptek.V12i1.165
56.	Prof. Dr. Juandi M, M.Si	Prediction Criteria For Groundwater Potential Zones In Kemuning District, Indonesia Using The Integration Of Geoelectrical And Physical Parameters	<i>Journal Of Groundwater Science And Engineering</i>	https://doi.org/10.19637/J.Cnki.2305-7068.2021.01.002
57.	Prof. Dr. Juandi M, M.Si	Pencitraan Pemetaan Panas Penyerapan Radiasi Terahertz (Thz) Dalam Jaringan Biologis Menggunakan Model Simulink-Matlab	<i>Jurnal Kajian, Inovasi, Dan Aplikasi Pendidikan Fisika</i>	https://doi.org/10.31764/Orbita.V6i2.3262
58.	Prof. Dr. Juandi M,	Survei Hydrochemical Air Tanah Dangkal Dan Sifat	<i>Prosiding Seminar Nasional Fisika</i>	

	M.Si	Karakteristik Tanah Dilahan Pertanian Palawija Di Marpoyan Damai	<i>Universitas Riau</i>	
59.	Prof. Dr. Juandi M, M.Si	Teknologi Mesin Pengering Pakaian Berbasis Limbah Tempurung Kelapa Untuk Meningkatkan Ekonomi Bagi Ukm Yang Bergerak Dalam Bidang Laundry Di Kecamatan Tampan Kota Pekanbaru	<i>Unri Conference Series: Community Engagement</i>	https://doi.org/10.31258/Unricsce.2.550-558
60.	Prof. Dr. Juandi M, M.Si	Preliminary Investigation Of Geothermal Potential In Pawam Site, Rokan Hulu, Indonesia	<i>Journal Of Physics: Conference Series</i>	10.1088/1742-6596/1655/1/012126
61.	Prof. Dr. Juandi M, M.Si	Assessment Of Groundwater Quality Based On Geoelectric And Hydrogeochemical Parameters Around Slaughterhouses Of Pekanbaru City, Indonesia	<i>Journal Of Physics: Conference Series</i>	10.1088/1742-6596/1655/1/012116
62.	Dr. Rahmi Dewi, M.Si	Karakterisasi Difraksi Sinar X (Xrd) Film Tipis Barium Zirkonium Titanat $Ba_{0,1}Ti_{0,9}O_3$ (Bzt) Dengan Variasi Suhu Annealing	Repository.Unri.Ac.Id	https://repository.unri.ac.id/handle/123456789/10042
63.	Dr. Rahmi Dewi, M.Si	Optical Characterization Of $Ba_{1-x}Sr_xTiO_3$ Thin Film Properties Using Ultraviolet-Visible Spectroscopy	Conference Proceedings	https://doi.org/10.1063/5.0003054
64	Dr. Rahmi Dewi, M.Si	Analysis Of Ferroelectric Thin Film $Ba_{0,6}Ti_{0,4}O_3$ With Annealing Temperature Increase Variations Using X-Ray Diffraction	Journal Of Physics: Conference Series	10.1088/1742-6596/1655/1/012156
65.	Dr. Rahmi Dewi, M.Si	The Determination Of Barium Strontium Titanate Thin Film Band Gap Energy $Ba_{0,15}Sr_{0,85}TiO_3$ Using Ultraviolet-Visible Spectroscopy	Jurnal Fisika Dan Aplikasinya	https://doi.org/10.21009/Spektra.051.02
66.	Dr. Minarni, M.Sc	Pengembangan Kit Praktikum Gelombang Elektromagnetik Untuk Meningkatkan Keterampilan Proses Siswa Sma	Jurnal Edu Sains	
67.	Dr. Minarni,	Pencitraan Hiperspektral Untuk	Jurnal Media	http://dx

	M.Sc	Membedakan Asal Tanah Tumbuh Dari Tandan Buah Segar Kelapa Sawit	Informatika Budidarma	Doi.Org/10.30865/Mib.V4i3.2219
68.	Dr. Minarni, M.Sc	Estimasi Volume Buah Kiwi Menggunakan Metode Pencitraan Dan Aturan Simpson	Jurnal Media Informatika Budidarma	Http://Dx.Doi.Org/10.30865/Mib.V4i3.2144
69.	Dr. Minarni, M.Sc	Evaluasi Tingkat Kematangan Tandan Buah Segar Kelapa Sawit Menggunakan Metode Optik Dengan Laser Modulasi	Jurnal Aplikasi Teknologi (Aptek)	Https://Doi.Org/10.30606/Aptek.V12i1.163
70.	Dr. Minarni, M.Sc	Pengunaan Pencitraan Multispektral Pada Panjang Gelombang 520 Nm Dan 800 Nm Untuk Mengevaluasi Tingkat Kematangan Tbs Kelapa Sawit	Komunikasi Fisika Indonesia	
71.	Dr. Minarni, M.Sc	Analisa Tingkat Kematangan Tandan Kelapa Sawit Menggunakan Metode Fluoresensi Imaging Berdasarkan Laser Modulasi	Jurnal Aplikasi Teknologi (Aptek)	Https://Doi.Org/10.30606/Aptek.V12i1.166
72.	Dr. Minarni, M.Sc	Analisis Pengaruh Suhu Terhadap Sensitivitas Sensor Pada Hidung Elektronik Untuk Kematangan Buah Kelapa Sawit	Komunikasi Fisika Indonesia	