

**DATA PUBLIKASI DI JURNAL NASIONAL TERAKREDITASI
PROGRAM STUDI TEKNIK MESIN S1 FAKULTAS TEKNIK UNIVERSITAS PANCASILA**

TAHUN 2024/2025

NO	JUDUL	NAMA JURNAL	NAMA DOSEN	URL
1	Analisis Energi Pelet Biomassa Berbahan Baku Ampas Kopi Dengan Perekat Bubur Kertas	Teknobiz	Muhamad Hafiz, Ismail, Erlanda Augupta Pane	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/7839
2	Design of a Seaweed Draining and Drying Machine Using Hybrid Energy	Asiimetrik	Agri Suwandi , Alif Fachrudin, Djoko Setyanto	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/8636
3	Distribusi Udara dan Panas, Pengering Rumah Kaca, Rak Susun, CFD	January 2025, ROTASI 27(1):44-51	Ismail , Agus Purwanto	https://ejournal.undip.ac.id/index.php/rotasi/article/view/66460 https://ejournal.undip.ac.id/index.php/rotasi/article/view/66460
4	Analisis Aliran Turbin Angin Vertikal Jenis Savonius Dengan Variasi Multi-Stage With Circular Shield Menggunakan Software Solidworks	Motor Bakar : Jurnal Teknik Mesin, Vol 9, No 4, 202	Imam Nur Arif, I Gede Eka Lesmana, Rovida Camalia Hartantrie	https://jurnal.umt.ac.id/index.php/mjtm/article/view/14494
5	Modifikasi Perancangan Sandaran Kaki (Footrest) Yang Fleksibel Pada Kursi Roda Penyanggah Disabilitas	Teknobiz	Dhidik Mahandika, Dwi Rahmalina , Susanto Sudiro, Adrian Reynaldi	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/8555
6	Peran Limbah Serbuk Kayu Pada Peningkatan Kalor Briket	Teknobiz	Rahmat Tri Atmojo, Abid Fahreza	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/8560
7	The Role of Banana Peel Surface Pores through Increasing Temperature for Efficient Hydrogen Production	Journal of Mechanical Engineering Science and Technology	Abid Fahreza Alphanoda, Erlanda Augupta Pane, Agus Riyanto , Avita Ayu Permanasari	https://journal2.um.ac.id/index.php/jmest/article/view/54961
8	Exploratory Factor Analysis for Developing Wheelchairs for Children with Cerebral Palsy	Asiimetrik	Dwi Rahmalina , Desinta Rahayu Ningtyas, Nur Yulianti Hidayah, Agri Suwandi, Dede Lia Zariatn, I Gede Eka Lesmana , Dhidik Mahandika, Susanto Sudiro	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/7769
9	Investigation of Flap Dimensional Parameters to Improve Hydrodynamic Performance of Oscillating Wave Surge Converter Device	Asiimetrik	Rizki Aldi Anggara, James Julian, Fitri Wahyuni, Riki Hendra Purba, Nely Toding Bunga	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/7911

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10	The Effect of Hydrostatic Pressure on the Performance of Oscillating Wave Surge Converter	Asiimetrik	Anton Dwi Prabowo, James Julian, Fitri Wahyuni, Riki Hendra Purba, Nely Toding Bunga	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/7912
11	Utilization of Single and Double Orifice Plates in Pipe Inner Flow Structure by Computational Method	Asiimetrik	Ridwan Daris Naufal, James Julian, Fitri Wahyuni, Riki Hendra Purba, Nely Toding Bunga	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/7913
12	The Analysis of Banana Slices Machine Frame Using Computational Method	Asiimetrik	Reza Najmi Akmal, James Julian, Fitri Wahyuni, Riki Hendra Purba, Nely Toding Bunga	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/7914
13	Modifikasi Pitot Tube Static Dengan Dilengkapi Sensor Suhu Kelembaban, Anemometer Dan Alat Kemiringan Sudut Digital Pada Low Speed Tunnel Wt-400	Teknobiz	Adefersa Widyarto, Dede Lia Zariatn	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/8551
14	Peningkatan Kemandirian Ekonomi Yayasan Sosial Melalui Teknologi Pengolahan Sampah Dan Ekonomi Digital	Jurnal Masyarakat Mandiri	Agri Suwandi, Dede Lia Zariatn , Susilawati Susilawati, Dhidik Mahandika	https://journal.ummat.ac.id/index.php/jmm/article/view/27538
15	Desiminasi Produk Teknologi Mekanik Pada Sekolah Kejuruan Dalam Proses Pembelajaran	Suluh	Erlanda Pane, Yani Kurniawan, Reza Abdu Rahman	https://journal.univpancasila.ac.id/index.php/SULUH/article/view/5473
16	Perancangan Alat Pengolah Limbah Plastik Jenis PET (Polyethylene Terephthalate) Kapasitas 3 kilogram dengan Menggunakan Kompor Oli Bekas	Jurnal Teknik Mesin	I Gede Eka Lesmana , Boyma Fugrystiano Sihombing, Rovida Camalia Hartanrie, Arif Riyadi Tatak K, Dias Aldito	http://ejournal2.pnp.ac.id/index.php/jtm/article/view/1771
17	Analysis of Thermal Energy Storage Based on Phase Change of Sugar Alcohol Type Material for Solar Water Heater System	Teknobiz	Basuki Setiawan, Ilham Febriansyah, Ismail	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/8607
18	Pemanfaatan Limbah Kayu dan Kulit Kopi Menjadi Bahan Bakar Refuse Derived Fuel (RDF)	Teknobiz	Wahyudi Wahyudi, La Ode M. Firman	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/8667
19	Optimasi Treatment Pemanasan pada Proses Pengelasan Pipa Penstock	Teknobiz	Yani Kurniawan , Yudi Iswanto, Bambang Sulaksono	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/8537

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21	Modification of Stiffener Sidewall for 17 m ³ Capacity Dump Truck at PT. ABC	Teknobiz	Dhidik Mahandika, La Ode M Firman , Bambang Sulaksono, Erlanda Augupta Pane , Estu Prayogi, Al Diki Akbar Fitrianto	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/8947
22	Effect of Fins on Charging Performance – Release of a PCM-Based Thermal Energy Operating Simultaneously	Teknobiz	M. Abdul Musthofa, Budhi M. Suyitno	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/8668
23	Konsep Model Industri Skala Kecil Genteng Komposit Dari Limbah Sawit dan Plastik	Teknobiz	Hary Soebagyo, Arif Riyadi T. K	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/7772

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1	Perancangan Mesin Pengupas Kulit Kabel Kapasitas 10kg/Jam	Teknobiz	Dhidik mahandika, Dwi Rahmalina , Teddy Setiawan	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/6534
2	Pembuatan Mesin Penggiling Padi Sebagai Upaya Pemerataan Ekonomi Bagi Masyarakat Kampung Pasir Salam Kabupaten Bogor	RESWARA: Jurnal Pengabdian Kepada Masyarakat	Rovida Camalia Hartantrie, I Gede Eka Lesmana, Arif Riyadi Tatak K , Satrio Nur Utomo, Zouly Ficard Padorsi	https://jurnal.dharmawangsa.ac.id/index.php/reswara/article/view/3865
3	Analisis Sistem Pendingin Mesin Bantu Generator Menggunakan Media Air Laut	VISA: Journal of Vision and Ideas	Ahmad Sya'bani; I Gede Eka Lesmana	https://journal-laaroiba.com/ojs/index.php/visa/article/view/2389/2225
4	Analysis Of Non-Destructive Testing In The Metal Stitching Process	ROTOR	Saputra, Ryandi Daffa; Zariatn, Dede Lia	https://rotor.jurnal.unej.ac.id/index.php/RTR/article/view/43300
5	Fixture gono-go insert striker seat lock seabagai alat bantu pengecekan quality control	Abdi Implementasi Pancasila: Jurnal Pengabdian kepada Masyarakat	Dede Lia Zariatn, ZZ Tijani, W Libyawati, Agri Suwandi	https://journal.univpancasila.ac.id/index.php/abdi/article/view/6102
6	Perancangan Konstruksi Mesin Pembuat Adonan Berbahan Dasar Tepung	Jurnal Humaniora Revolusioner	Agung Nugraha, Agri Suwandi	https://humaniora.ojs.co.id/index.php/jhr/article/view/90
7	Photocatalytic Scheme with External Magnetic Field on Coffee Waste in Hydrogen Production	Journal of Mechanical Engineering Science and Technology	Abid Fahreza Alphanoda , Eko Prasetyo, Wisnu Broto	https://journal2.um.ac.id/index.php/jmest/article/view/47485/12178
8	Analisis CFD Pengaruh Konfigurasi Sudu Rotor Turbin Angin Sumbu Vertikal Tipe Zephyr Dengan 16 Sudu Statis	Teknobiz	Andra Mawan, Ismail	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/5751

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9	Increasing the feasibility and storage property of cellulose-based biomass by forming shape-stabilized briquette with hydrophobic compound	Case Studies in Chemical and Environmental Engineering	La Ode M Firman , Rizky Bayu Adji, Reza Abdu Rahman	https://www.sciencedirect.com/science/article/pii/S2666016423001482
10	Analisis Bahan Bakar BBM RON 90 dengan Bioaditif Serai Wangi pada Motor Bakar Empat Tak	Teknobiz	Agung Nugroho, Budhi Muliawan Suyitno	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/5750
11	Pengaruh Variasi Ukuran Celah Katup dengan Bahan Bakar Biodiesel (B35) Terhadap Emisi Gas Buang pada Mesin Diesel Tipe FE71PS 3908 cc	Teknobiz	Budhi Muliawan Suyitno , Indra Chandra Setiawan	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/5754
12	Analisis Kinerja Pompa Sentrifugal dengan Perlakuan Resurfacing	Teknobiz	Jabir Said, Dahmir Dahlan	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/5753
13	Peningkatan Performa Termal Phase Change Material dengan Komposit Berbasis Parafin/High-Density Polyethylene Melalui Penambahan Carbon Nanotube	TURBO : Jurnal Program Studi Teknik Mesin	Dwi Rahmalina , Isnaini Choirul Miftahudin, Ismail	https://ojs.ummetro.ac.id/index.php/turbo/article/view/2813
14	Implementasi Teknologi Rumah Pengering Hybrid untuk Mendukung Proses Pengeringan Ikan di Desa Terapung, Buton Tengah	Bernas	Reza Abdu Rahman , Dwi Rahmalina , Agri Suwandi , Nia Rachmawati, Aulia Keiko H	https://ejournal.unma.ac.id/index.php/bernas/article/view/7386
15	Effect of Heat Treatment Temperature on Hardness of Jaw Implant Produced from EDM Die-Sinking Process	Asiimetrik	MFR Suharyanto, Yani Kurniawan	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/5784
16	Numerical Analysis of Gurney Flap Impact on NACA 4415 Airfoil Aerodynamics Performance	Asiimetrik	James Julian, Mirza Fauzan Lukiano, Fitri Wahyuni, Waridho Iskandar, Nely Toding Bunga	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/5722
17	Numerical Modelling of NACA 0015 Airfoil Under the Erosion Condition	Asiimetrik	Rayhan Fariansyah Billad, James Julian, Fitri Wahyuni, Waridho Iskandar, Nely Toding Bunga	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/5875
18	Pemanfaatan Gas Buang (Syngas) Pada Proses Pirolisis Plastik Berkapasitas 10 kg	Teknobiz	La Ode M Firman , Angga Panji Satria Pratama	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/6532

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19	Optimasi Sudut Kemiringan Plafon Antara Pada Kemiringan Maksimal 15° Serta Penempatan Solar Cell Pada Bangunan Pengering Kayu Kapasitas 120 m ³	Teknobiz	Aribima Pratama, La Ode M. Firman	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/6533
20	Pengaruh Penerapan Idle Stop pada Kendaraan Roda 2 Terhadap Konsumsi Bahan Bakar dan Emisi di Kota Tangerang Selatan	Teknobiz	Jafar Wahid, Budhi Muliawan Suyitno , Indra Chandra Setiawan	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/6536

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1	Metode Pendinginan Cepat Proses Pendinginan pada Produk Hasil Proses Tempa	Teknobiz	Budhi Muliawan Suyitno , M Arifin Dwi Admoko, Reza Abdu Rahman , Ismail	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/4254
3	Thermal Analysis And Performance Of The Pyrolysis Function	TRAKSI	Richard Pardomuan Sinaga, I Gede Eka Lesmana	https://jurnal.unimus.ac.id/index.php/jtm/article/view/8643
4	Analisis Perpindahan Panas pada Sirkulasi Air Penyulingan Nilam dengan Tangki Bervolume 150 Liter	Asiimetrik	Zaky Assiddiqie, Nely Toding Bunga	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/3465
5	Perancangan Mesin Pembuat Tepung Jagung Kapasitas 5 kg/jam dengan Metode Pahl dan Beitz	Asiimetrik	Mohammad Galang Adi Prayoga, Dahmir Dahlan, Arif Riyadi Tatak	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/4143
6	Analisis Kerusakan Pada Permukaan Roda Kereta Rel Listrik	Asiimetrik	Muhammad Ardiansyah, Dwi Rahmalina	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/4272
7	Modifikasi Mekanisme Penggerak Pada Modul Penggerak Concentrated Solar Power Tipe Parabolic Dish	Teknobiz	Dhidik mahandika, Dwi Rahmalina , Naufal Rifqi Ramadhan	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/4848
8	Pengaruh Pulse Current Terhadap Kekuatan Bending Implan Micro-Plate Hasil Dari Proses Edm Die-Sinking	Dinamika Teknik Mesin	Yani Kurniawan , J Janua, Bambang Sulaksono	http://dinamika.unram.ac.id/index.php/DTM/article/view/634
9	Analisis Kekuatan Las Pada Sambungan Bejana Tekan Decolorizer	Teknobiz	Eko Prasetyo, Hasan Hariri, Rudi Hermawan , M. Reza Anarta Putra	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/5293

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10	Pengembangan Alat Desalinasi Air Laut dengan Teknologi Thermal Energy Storage	Asiimetrik	Muhammad Abdul Munir, Reza Abdu Rahman, Dwi Rahmalina	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/4499
11	Development of Data Acquisition System on an Arduino-Based Tensile Test Machine for Composite Materials	Asiimetrik	Dede Lia Zariatn, Yani Kurniawan, N.A Reza Afika	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/4981
12	Efek Penambahan Penguat Serat Bambu Andong dan Serat Kaca pada Komposit untuk Aplikasi Badan Speed Boat	Asiimetrik	Daffa Alvian Iswandi, Andi Lamappasessu, Dwi Rahmalina	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/5123
13	Perancangan Mesin Pencacah Masker Dengan Metode Pahl & Beitz	JTERA (Jurnal Teknologi Rekayasa)	Suwandi, Agri, Abdurrahman, Mahmud	https://jtera.polteksmi.ac.id/index.php/jtera/article/view/713/308
14	Analisis Water Turbine Vortex Terhadap Daya dan putaran Optimum Yang Dihasilkan Pada Pembangkit Listrik Tenaga Piko Hidro	Jurnal Ilmiah Teknik Mesin	M Muryanto, Dede Lia Zariatn	https://ejournal.uika-bogor.ac.id/index.php/ame/article/view/5406
15	Pengaruh Material Elektroda Grafit dan Tembaga terhadap Material Removal Rate (MRR), Electrode Wear Rate (EWR) dan Kekerasan dalam Pembuatan Implan Rahang Menggunakan Dise-sinking EDM	Dinamika Teknik Mesin	Yani Kurniawan	https://ejournal.uika-bogor.ac.id/index.php/ame/article/view/7328
16	Evaluasi Ergonomi pada Kursi Roda untuk Anak Cerebral Palsy Menggunakan Digital Human Modeling	Asiimetrik	Dwi Rahmalina, Desinta Rahayu N, Nur Yulianti Hidayah, Agri Suwandi, Dede Lia Zariatn, I Gede Eka Lesmana Lesmana, Dhidik Mahandika, Susanto Sudiro	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/4369
17	Pengembangan Material Bambu Untuk Pembuatan Bodi Speed Boat	Teknobiz	Andi Lamappasessu, Dwi Rahmalina	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/5291
18	Peningkatan Daya Saing Umkm Produk Makanan Ringan Melalui Diseminasi Teknologi	Suluh	Agri Suwandi, Dwi Rahmalina, Susilawati, Endang Rudiatin	https://journal.univpancasila.ac.id/index.php/SULUH/article/view/4108

**DATA PUBLIKASI DI JURNAL INTERNASIONAL BEREPUTASI
PROGRAM STUDI S1 TEKNIK MESIN FAKULTAS TEKNIK UNIVERSITAS PANCASILA**

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NO	JUDUL	NAMA JURNAL	NAMA DOSEN	URL
1	Charge/discharge Profiling of Organic Latent Heat Material Embedded in Polymer Matrix for Heat Energy System	Materials Science	Reza Abdu Rahman , Sulistyoyo, MSKTS Utomo, I Febriansyah, Ismail	https://www.matsc.ktu.lt/index.php/MatSc/article/view/36328
2	Experimental and Finite Element Study of Rollover Protection Structure for a 22-Seat Man Hauler Superstructure Vehicle	Automotive Experiences	M Gozali, Djoko W Karmiadji, Wina Libyawati , B Haryanto, M Masrur, A Setyawan, Wahyu Sulistiyoyo, Makmuri Nuramin, Anwar, Budi Susilo	https://journal.unimma.ac.id/index.php/AutomotiveExperiences/article/view/11380
3	The Assessment of Temperature-Energy Interaction for Consecutive Discharge Heat Storage Tank Using Composite Solid-Liquid MHSS	International Journal of Heat & Technology	Yuseva, Danies Seda; Muchammad; Sulistyoyo; Syaiful; Rahman, Reza Abdu Rahman	https://iieta.org/journals/ijht/paper/10.18280/ijht.420626
4	Quality Function Deployment Method for Cooking Stove Design Using Hermetia Illucens Oil.	Mathematical Modelling of Engineering Problems	Dino Rimantho, Vector Anggit Pratomo, Erlanda Augupta Pane , Nicolaus Noywuli	https://www.iieta.org/journals/mmep/paper/10.18280/mmep.120112
5	Improving the permeability characteristic of nickle oxide/yttria stabilized zirconia anode through thermal decomposition of organic porous support as sustainable material for green hydrogen ecosystem	Advances in Science and Technology Research Journal	Muhammad Faesal Febriandyono, Sulistyoyo, Mohammad Tauviqirrahman, Rayhan Calista, Reza Abdu Rahman	https://www.astrj.com/pdf-200716-122657?filename=Improving%20the.pdf
6	Electricity Generation from Bamboo Nanoparticles Processed by High Energy Milling without Thermal Treatment Mixed with NaOH	Materials Science	Megara Munandar , Eko Siswanto, Winarto, I. N. G. Wardana	https://www.iieta.org/journals/rcma/paper/10.18280/rcma.340603
7	Improving the permeability characteristic of nickle oxide/yttria stabilized zirconia anode through thermal decomposition of organic porous support as sustainable material for green hydrogen ecosystem	Advances in Science and Technology. Research Journal	Muhammad Faesal Febriandyono, Sulistyoyo, Mohammad Tauviqirrahman, Rayhan Calista, Reza Abdu Rahman	https://www.astrj.com/Improving-the-permeability-characteristic-of-nickle-oxide-yttria-stabilized-zirconia,200716,0,2.html

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8	Characterization Study of Thin Film Coatings on Porous Ceramic Material Prepared by Spin Coating Method	Journal of Composite & Advanced Materials	Sulistyo; Rusnaldy; Widyanto, Susilo Adi; Fahmi, Muchammad; Reza Abdu Rahman	https://openurl.ebsco.com/EPD/B%3Agcd%3A12%3A1124876/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Agcd%3A183516969&crl=c&link_origin=scholar.google.com
9	The clearance effect of progressive punching on straight-plate implant quality	Results in Engineering	Yani Kurniawan, Wina Libyawati, Dede Lia Zariatn	https://www.sciencedirect.com/science/article/pii/S2590123025001513
10	Novel Electric-Charge Thermal (NECT) Storage System for Integrated PV-Grid Liquid-Based Heating Supply Technology	Journal of Asian Energy Studies	Rani Anggrainy, Joko Waluyo, Robertus Dhimas Dhewangga Putra, Reza Abdu Rahman	https://ejournals.lib.hkbu.edu.hk/index.php/jaes/article/view/2904
11	Assessment The Effect Of Dies Stamping Process Parameters On The Performance Of Spring-Back And Spring-Go Defects In Galvanized Steel Sheet Materials.	Eastern-European Journal of Enterprise Technologies	Dwi Rahmalina , Ahmad Zamzami	https://journals.uran.ua/eejet/article/view/324951
12	Preliminary Functionality Assessment on Supercooling Suppression of Binary Polyol Mixture as Energy Material for Thermal System	Eurasian Journal of Physics and Functional Materials	Kuswana, La Ode Mohammad Firman , Robertus Dhimas Dhewangga Putra, Reza Abdu Rahman	https://www.ephys.kz/journal/vol9/iss2/1/
13	Parametric operational analysis of hybrid thermo-electric/fluid-active thermal storage for domestic water heating system	Solar Energy Materials and Solar Cells	Joko Waluyo, Robertus Dhimas Dhewangga Putra, Dwi Chandra Adhitya, Reza Abdu Rahman	https://www.sciencedirect.com/science/article/abs/pii/S092702482500176X
14	Employing sugar alcohol-based phase change material for integrated compact thermal battery (ICTB): experimental exploration for future configuration of modern space heating with thermal storage	Applied Thermal Engineering	Reza Abdu Rahman , Dibyo Setiawan, Agung Nugroho, Robertus Dhimas Dhewangga Putra	https://www.sciencedirect.com/science/article/abs/pii/S1359431125009093

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15	Optimizing bioethanol from sago dregs for Honai burner stoves: A case study in Papua	Journal of Mechatronics, Electrical Power, and Vehicular Technology	Johni Jonatan Numberi, Tiper Korneles Muwarberto Uniplaita, Agri Suwandi , Januar Parlaungan Siregar, Arifia Ekayuliana, Joni, Pither Palamba, Marthen Liga	https://mev.brin.go.id/mev/article/view/1053

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1	Optimization of pulse on time to improve quality of microplate implants produced by EDM die-sinking	Journal of the Brazilian Society of Mechanical Sciences and Engineering	Yani Kurniawan , Dzacky Ariyatmoko, Shafira Murdiwati Putri, Ismail	https://link.springer.com/article/10.1007/s40430-024-05080-w
2	Dimensional Accuracy, Surface Roughness and Hardness Properties for Microplate Implants Manufacturing by EDM Die-Sinking Process	International Journal of Automotive and Mechanical Engineering	Yani Kurniawan , Dede Lia Zariatn , Pratik Suko Pangarsono, Bambang Cahyadi, Bambang Sulaksono	https://journal.ump.edu.my/ijame/article/view/9022
3	Preliminary characterization and thermal evaluation of a direct contact cascaded immiscible inorganic salt/high-density polyethylene as moderate temperature heat storage material	Results in Materials	Budhi Muliawan Suyitno , Rani Anggrainy, Nicco Plamonia, Reza Abdu Rahman	https://www.sciencedirect.com/science/article/pii/S2590048X2300081X
4	Hybrid energy-temperature method (HETM): A low-cost apparatus and reliable method for estimating the thermal capacity of solid-liquid phase change material for heat storage system	HardwareX	La Ode M Firman , Dwi Rahmalina , Reza Abdu Rahman	https://www.sciencedirect.com/science/article/pii/S2468067223001037
5	Maintaining high thermal response of carbon nanotubes after melting intensification in solid-liquid heat storage system	Carbon Trends	Dwi Rahmalina , Reza Abdu Rahman	https://www.sciencedirect.com/science/article/pii/S2667056923000494
6	Multi-output photoelectrochemical system based on Zn/ZnO using aqueous bismuth tea waste electrolyte to produce hydrogen and electricity	International Journal of Hydrogen Energy	Abid Fahreza Alphanoda , Winarto, Femiana Gapsari, Willy Satrio N, I.N.G. Wardana	https://www.sciencedirect.com/science/article/abs/pii/S0360319923050164
7	The Effect of Liquidus Aging on The Performance of Phase-Stabilized Wax with Solid Nano Additives	Metallurgical and Materials Engineering	Dwi Rahmalina , La Ode Mohammad Firman , Ismail , Reza Abdu Rahman	https://www.metall-mater-eng.com/index.php/home/article/view/1037

NO	JUDUL	NAMA JURNAL	NAMA DOSEN	URL
8	Charge Assessment for Nitrate-Based Salt as a Phase Change Material for a Medium-Temperature Latent Storage Tank	Latvian Journal of Physics and Technical Sciences	Ismail , Y. I. Widodo, R. A. Rahman	https://sciendo.com/article/10.2478/lpts-2024-0006
9	Circular Economy: Barriers and Strategy to Reduce and Manage Solid Waste in the Rural Area at Jepara District, Indonesia.	International Journal of Sustainable Development & Planning	Rimantho Dino; Budhi M Suyitno ; Pratomo, Vector Anggit; Haryanto, Gunady; Prasadha, I. Nyoman Teguh; Puspita, Nungky	https://openurl.ebsco.com/EPD/B%3Agcd%3A15%3A27750415/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Agcd%3A164074274&crl=c
10	Evaluation Of The Operational Curve For Heat Storage Technology Using N-Octacosane/Lowdensity As A Binding Material	Eastern-European Journal of Enterprise Technologies	Reza Abdu Rahman ; Sulisty; Kartono Tony Suryo Utomo, Mohamad Said; Dhewangga Putra, Robertus Dhimas	https://openurl.ebsco.com/EPD/B%3Agcd%3A9%3A29628249/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Agcd%3A177128064&crl=c
11	Impact of Top Mold Slope on Defect Formation in Gravity Casting of Aluminum Alloy	Annales de Chimie Science des Matériaux	Hidayat, Ahya; Dwi Rahmalina ; Reza Abdu Rahman	https://openurl.ebsco.com/EPD/B%3Agcd%3A2%3A14013762/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Agcd%3A175889592&crl=c
12	The optional approach in recycling plastic waste for energy storage application: A detailed evaluation of stabilized-hexadecanoic acid/plastic	ScienceDirect	Reza Abdu Rahman , Sulisty, M.S.K.Tony Suryo Utomo, Robertus Dhimas Dhewangga Putra	https://www.sciencedirect.com/science/article/pii/S2666016424001452
13	Investigation of Vertical Axis Wind Turbine Performance with Savonius Rotor on Air Ejector Dimensions using Computational Fluid Dynamics	CFD Letters	Ismail , Rinawati, Imam Muzaki	https://semarakilmu.com.my/journals/index.php/CFD_Letters/article/view/3433

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NO	JUDUL	NAMA JURNAL	NAMA DOSEN	URL
1	Analysis of the thermal characteristics of the paraffin wax/high-density polyethylene (HDPE) composite as a form-stable phase change material (FSPCM) for thermal energy storage	Eastern-European Journal of Enterprise Technologies	Dwi Rahmalina , Almira Rahma Zada, Herni Soefihandini, Ismail , Budhi Muliawan Suyitno	https://journals.uran.ua/eejet/article/view/273437
2	Investigation of the Performance of a Centrifugal Pump Impeller Design with the Addition of a Junction Disc Plate	Periodica Polytechnica Mechanical Engineering	Erlanda Augupta Pane , Ferdy Hidayat, Hendri Sukma, Ismail	https://pp.bme.hu/me/article/view/21081

NO	JUDUL	NAMA JURNAL	NAMA DOSEN	URL
3	The Development of Exhaust Fan Housing With Ceiling Mounting For High Rise Buildings by Using DFMA	Journal of Applied Engineering and Technological Science	Agri Suwandi , M Pillar R, Wina Libyawati , Januar Parlaungan S	https://yripku.com/journal/index.php/jaets/article/view/1675
4	An experimental study on the development of multipurpose biomass burner for cooking stove and thermal generator for household application	Acta Innovations	Budhi Muliawan Suyitno , Ismail , Reza Abdu Rahman	https://www.ceeol.com/search/article-detail?id=1092951
5	Testing on Experimental Equipment for Wood Drying And Air Flow Simulation in the Wood Drying Industry in Indonesia	International Journal Of Special Education (IJSE)	Arif Riyadi Tatak , La Ode Mohammad Firman , Budhi M Suyitno	https://sisdam.univpancasila.ac.id/uploads/repository/hasil_review/Hasil_Review-16052023201814.pdf
6	An open design for a low-cost open-loop subsonic wind tunnel for aerodynamic measurement and characterization	HardwareX	Ismail , Erlanda Augupta Pane , Reza Abdu Rahman	https://www.sciencedirect.com/science/article/pii/S2468067222000979
7	Increasing the reliability of biomass solid fuel combustion using a combined regenerative heat exchanger as an indirect burner	Eastern-European Journal of Enterprise Technologies	Alwinskyah Tunggul Ismail, Ismail , Reza Abdu Rahman	https://journals.uran.ua/eejet/article/view/265803
8	The assessment of reflector material durability for concentrated solar power based on environment exposure and accelerated aging test	Eastern-European Journal of Enterprise Technologies	Budhi Muliawan Suyitno , Reza Abdu Rahman , Hendri Sukma, Dwi Rahmalina	https://journals.uran.ua/eejet/article/view/265678
9	Thermal Performance Assessment for an Active Latent Heat Storage Tank by Using Various Finned-Coil Heat Exchangers	International Journal of Heat & Technology	Ismail , M Syukur Liffan S, Reza Abdu Rahman	https://www.iieta.org/journals/ijht/paper/10.18280/ijht.400615
10	Increasing the charge/ discharge rate for phase-change materials by forming hybrid composite paraffin/ash for an effective thermal energy storage system.	AIMS Materials Science	Budhi Muliawan Suyitno , Dwi Rahmalina , Reza Abdu Rahman	http://www.aimspress.com/aimspress-data/aimsmates/2023/1/PDF/matersci-10-01-005.pdf
11	Thermal stress influence on the long-term performance of fast-charging paraffin-based thermal storage	Thermal Science and Engineering Progress	Reza Abdu Rahman , Azizul Hakim Lahuri, Ismail	https://www.sciencedirect.com/science/article/abs/pii/S2451904922003523
12	Advanced design of a small-scale mini gerotor pump in a high-temperature and high-viscosity fluid thermal system	Eastern-European Journal of Enterprise Technologies	Dede Lia Zariatina , Agri Suwandi	https://journals.uran.ua/eejet/article/view/272674

NO	JUDUL	NAMA JURNAL	NAMA DOSEN	URL
13	Evaluation on the Discharging Rate and State of Health of Paraffin/HDPE after 10,000 Thermal Cycling under Various Charging Speed.	International Journal of Heat & Technology	Budhi Muliawan Suyitno, Dwi Rahmalina, Ismail, Reza Abdu Rahman	https://www.iieta.org/journals/ijht/paper/10.18280/ijht.410110
14	Circular Economy: Barriers and Strategy to Reduce and Manage Solid Waste in the Rural Area at Jepara District, Indonesia	International Journal of Sustainable Development & Planning	Dino Rimantho, Budhi M Suyitno , Vector Anggit P, Gunady Haryanto, I Nyoman Teguh P, Nungky Puspita	https://www.iieta.org/journals/ijstdp/paper/10.18280/ijstdp.180407
15	Improving the performance of a small-scale cascade latent heat storage system by using gradual melting temperature storage tank	Case Studies in Thermal Engineering	Budhi Muliawan Suyitno, Ismail, Reza Abdu Rahman	https://www.sciencedirect.com/science/article/pii/S2214157X23003404
16	Improving the operation and thermal response of multiphase coexistence latent storage system using stabilized organic phase change material	Results in Engineering	Budhi Muliawan Suyitno, Erlanda Augupta Pane, Dwi Rahmalina, Reza Abdu Rahman	https://www.sciencedirect.com/science/article/pii/S2590123023003377
17	Superior Long-Term Performance of Composite Phase Change Material with High-Density Polyethylene under Thermal Aging Process	Revue des Composites et des Matériaux Avancés	Budhi Muliawan Suyitno, Dwi Rahmalina, Ismail, Reza Abdu Rahman	https://www.iieta.org/journals/rcma/paper/10.18280/rcma.330302
18	Development of free water knock-out tank by using internal heat exchanger for heavy crude oil	EUREKA: Physics and Engineering	Ismail, Ambar Tri Mulyanto, Reza Abdu Rahman	https://journal.eu-jr.eu/engineering/article/view/2502

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PROGRAM STUDI TEKNIK MESIN S1 FAKULTAS TEKNIK UNIVERSITAS PANCASILA**

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No	Nama	Judul	Nama Forum	Url
1	Arif Riyadi T. K., Hary Soebagyo, A. R. Bagas	Konsep Desain Mesin Pencacah Limbah Sawit dan Limbah Plastik Untuk Pembuatan Bahan Genteng Komposit	Semrestek 2024	https://conference.univpancasi.ac.id/index.php/semrestek/article/view/177

Tahun 2023/2024

No	Nama	Judul	Nama Forum	Url
1	Hary Soebagyo, Arif Riyadi T. K	Konsep Desain Keandalan Gerbong Kereta Api Sebagai Dukungan Untuk Sarana Transportasi Perkotaan Yang Aman dan Berkelanjutan	Semrestek 2023	https://conference.univpancasi.ac.id/index.php/semrestek/article/view/209
2	Dwi Wicaksono, Dede Lia Zariatn, Yani Kurniawan	Perancangan Dan Proses Manufaktur Cetakan Material Komposit Serat Bambu Sesuai Dengan ASTM D3039 Dan ASTM D638	Semrestek 2023	https://conference.univpancasi.ac.id/index.php/semrestek/article/view/205

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No	Nama	Judul	Nama Forum	Url
1	La Ode M. Firman, Hafiz Aditya Hendaru	Studi Eksperimental Refused Derived Fuel (RDF) dari Sampah di Tempat Pembuangan Akhir Penujah Kabupaten Tegal Sebagai Bahan Bakar Kompore RDF	Semrestek 2022	https://conference.univpancasi.ac.id/index.php/semrestek/issue/view/11

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No	Nama Dosen	Judul	Nama Forum	URL
1	Abid Fahreza Alphanoda ; Winarto; Femiana Gapsari; ING Wardana; Eko Prasetyo; Wisnu Broto	Production potential from basic bismuth nitrate with organic waste conjugation on irradiation	The 4Th International Seminar On Science And Technology (Isstec)	https://pubs.aip.org/aip/acp/article-abstract/3248/1/020010/3331997/Production-potential-from-basic-bismuth-nitrate
2	Dede Lia Zariatn; Rovida Camalia Hartantrie ; Karyadi; M Alief Herlambang; Dwi Antoro	Development of laboratory-scale crossflow turbine power plant	International Conference on Engineering, Construction, Renewable Energy, and Advanced Materials	https://jurnal.umj.ac.id/index.php/icecream/article/view/22810

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No	Nama Dosen	Judul	Nama Forum	URL
1	Reza Abdu Rahman ; Jalalludin Asyafii; Hendri Sukma; Budhi Muliawan Suyitno ; Dwi Rahmalina	Surface degradation on the solid-state and sheet-based reflector for concentrated solar power application under Indonesia climate	2ND International Conference On Technology, Informatics, And Engineering	https://pubs.aip.org/aip/acp/article-abstract/2927/1/040004/3279175/Surface-degradation-on-the-solid-state-and-sheet?redirectedFrom=fulltext
2	Dwi Rahmalina ; Mohamad Abi Aufa; Adhifa Zhikri Audia; Ismail; Reza Abdu Rahman ; Hendri Sukma	The effect of high-density polyethylene (HDPE) ratio on the supercooling degree of composite paraffin/HDPE	International Conference On Design, Energy, Materials And Manufacture	https://pubs.aip.org/aip/acp/article-abstract/3053/1/020011/3286657/The-effect-of-high-density-polyethylene-HDPE-ratio
3	Firmansyah Azharul; M. Dwi Trisno; Dahmir Dahlan ; Wilarso Wilarso	Optimization of the type-L savonius wind turbine design	5Th International Conference On Engineering And Applied Technology	https://pubs.aip.org/aip/acp/article-abstract/2702/1/040013/2925137/Optimization-of-the-type-L-savonius-wind-turbine?redirectedFrom=fulltext

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No	Nama Dosen	Judul	Nama Forum	URL
1	Agri Suwandi ; Hendra Wijaya; Farhan Zulfikar; Eka Maulana; Rudi Hermawan ; Deny Juniansyah	A simulation approach with computational fluid dynamics analysis for optimization of heat flow on herbal drying machine	3Rd Borobudur International Symposium On Science And Technology	https://pubs.aip.org/aip/acp/article-abstract/2706/1/020001/2889254/A-simulation-approach-with-computational-fluid