

PUBLIKASI DI JURNAL INTERNASIONAL BEREPUTASI
PROGRAM STUDI S3 TEKNIK MESIN FAKULTAS TEKNIK UNIVERSITAS PANCASILA

TAHUN 2024/2025

NO	JUDUL	NAMA JURNAL	NAMA DOSEN	URL
1	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
2	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://www.researchgate.net/publication/391418797_Assessment_the_effect_of_dies_stamping_process_parameters_on_the_performance_of_spring-back_and_spring-go_defects_in_galvanized_steel_sheet_materials
3	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/
4	Charge/discharge Profiling of Organic Latent Heat Material Embedded in Polymer Matrix for Heat Energy System	Materials Science	Reza Abdu Rahman, Sulistyo, MSKTS Utomo, I Febriansyah, Ismail	https://www.matsc.ktu.lt/index.php/MatSc/article/view/36328

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NO	JUDUL	NAMA JURNAL	NAMA DOSEN	URL
1	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
2	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

NO	JUDUL	NAMA JURNAL	NAMA DOSEN	URL
3	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 Ismail, Reza Abdu Rahman	https://www.metall-mater-eng.com/index.php/home/article/view/1037
4	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
5	Impact of Top Mold Slope on Defect Formation in Gravity Casting of Aluminum Alloy	Annales de Chimie Science des Matériaux	Hidayat, Ahya; Rahmalina, Dwi; Rahman, Reza Abdu	https://openurl.ebsco.com/EPDB%3Agcd%3A2%3A14013762/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Agcd%3A175889592&crl=c
6	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
7	Experimental Study on the Effect of Different HTF Discharges to Increase Efficiency of a Latent Heat Storage System Using a Spiral Coil Heat Exchanger with Different Fins	International Journal of Thermophysics	M. Syukur L. Syahbana, Yoga Kurniawan & Ismail	https://link.springer.com/article/10.1007/s10765-024-03373-9

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NO	JUDUL	NAMA JURNAL	NAMA DOSEN	URL
1	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.cceol.com/search/article-detail?id=1092951
2	Testing on Experimental Equipment for Wood Drying And Air Flow Simulationin the Wood Drying Industry in Indonesia	International Journal Of Special Education (IJSE)	Arif Riyadi Tatak, La Ode Mohammad Firman, Budhi M Suyitno	https://sisdam.univpancasi.ac.id/uploads/repository/hasil_review/Hasil_Review-16052023201814.pdf

NO	JUDUL	NAMA JURNAL	NAMA DOSEN	URL
3	Strategies to achieve controlled auto-ignition (CAI) combustion: A review	Mechanical Engineering for Society and Industry	Ibham Veza, Indra C Setiawan, M Firman La Ode, Handi Handi, Ayu Amanah, Mega T Kurnia, Permana A Paristiawan, Muhammad Idris, Ahmed Sule, Anthony C Opia	https://journal.unimma.ac.id/index.php/mesi/article/view/7568
4	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
5	Increasing the reliability of biomass solid fuel combustion using a combined regenerative heat exchanger as an indirect burner	Eastern-European Journal of Enterprise Technologies	Alwinsyah Tunggul Ismail, Ismail, Reza Abdu Rahman	https://journals.uran.ua/eejet/article/view/265803
6	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
7	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
8	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/matiersci-10-01-005.pdf
9	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
10	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
11	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
12	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/eej-et/article/view/273437
13	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
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
19	The impact of thermal aging on the degradation of technical parameter of a dynamic latent thermal storage system	International Journal of Thermo fluids	La Ode M Firman, Ismail, Dwi Rahmalina, Reza Abdu Rahman	https://www.sciencedirect.com/science/article/pii/S2666202723001180

**PUBLIKASI DI JURNAL NASIONAL TERAKREDITASI
PROGRAM STUDI S3 TEKNIK MESIN FTUP**

TAHUN 2024/2025

NO	JUDUL	NAMA JURNAL	NAMA DOSEN	URL
1	Fixture gono-go insert striker seat lock seabagai alat bantu pengecekan quality control	Abdi Impelemtasi Pancasila	Dede Lia Zariatn, Zam Zam Tijani, Wina Libyawati, Agri Suwandi	https://journal.univpancasila.ac.id/index.php/abdi/article/view/6102
2	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
3	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
4	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
5	Modifikasi Perancangan Sandaran Kaki (Footrest) Yang Fleksibel Pada Kursi Roda Penyandang Disabilitas	Teknobiz	Dhidik Mahandika, Dwi Rahmalina, Susanto Sudiro, Adrian Reynaldi	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/8555
6	Analysis of The Effect of Electric Current Strength in Shield Metal Arc Welding on The Hardness, Impact and Microstructure of Stainless Steel 304	Teknobiz	Haitham Abozaian, Dwi Rahmalina	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/8557
7	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
8	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
9	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

NO	JUDUL	NAMA JURNAL	NAMA DOSEN	URL
10	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
11	Peningkatan Kemandirian Ekonomi Yayasan Sosial Melalui Teknologi Pengolahan Sampah Dan Ekonomi Digital	Jurnal Masyarakat Mandiri	Agri Suwandi, Dede Lia Zariatun, Susilawati Susilawati, Dhidik Mahandika	https://journal.ummat.ac.id/index.php/jmm/article/view/27538
12	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

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NO	JUDUL	NAMA JURNAL	NAMA DOSEN	URL
1	Analisis CFD Pengaruh Konfigurasi Sudu Rotor Turbin Angin Sumbu Vertikal Tipe Zephyr Dengan 16 Sudu Statis	Teknobiz: Jurnal Ilmiah Program Studi Magister Teknik Mesin	Andra Mawan, Ismail	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/5751
2	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
3	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 ismail	https://ojs.ummetro.ac.id/index.php/turbo/article/view/2813
4	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
5	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
6	Optimasi Sudut Kemiringan Plafon Antara Pada Kemiringan Maksimal 15° Serta Penempatan Solar Cell Pada Bangunan Pengereng Kayu Kapasitas 120 m ³	Teknobiz	Aribima Pratama, La Ode M. Firman	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/6533

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7	Analisis Pengaruh Gap Medan Magnet dengan Variasi Diameter Penampang dan Lilitan Kumputan Terhadap Performa yang dihasilkan pada Energy Harvesting Linier Elektromagnetik	Teknobiz	Ahmad Faishal Mufadhol, Budhi Muliawan Suyitno, Dwi Rahmalina	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/7175
8	PIROLISIS MENGGUNAKAN SCREW SEBAGAI PRESSURE DROP DAN SIRIP PADA KONDENSOR	Jurnal Rekayasa Mesin	Erlanda Augupta Pane, Stevanus Budi Raharjo, Ismail	https://rekayasamesin.ub.ac.id/index.php/rm/article/view/1591
9	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

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NO	JUDUL	NAMA JURNAL	NAMA DOSEN	URL
1	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
2	Metode Pendinginan Cepat Proses Pendinginan pada Produk Hasil Proses Tempa	Teknobiz	Budhi Muliawan Suyitno, Muhammad Arifin Dwi Admoko, Reza Abdu Rahman, Ismail	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/4254
3	Analisis Kerusakan Pada Permukaan Roda Kereta Rel Listrik	Asiimetrik	Muhammad Ardiansyah, Dwi Rahmalina	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/4272
4	Evaluasi Ergonomi pada Kursi Roda untuk Anak Cerebral Palsy Menggunakan Digital Human Modeling	Asiimetrik	Dwi Rahmalina, Desinta Rahayu Ningtyas, Nur Yulianti Hidayah, Agri Suwandi, Dede Lia Zariatini, I Gede Eka Lesmana Lesmana, Dhidik Mahandika, Susanto Sudiro	https://journal.univpancasila.ac.id/index.php/asiimetrik/article/view/4369
5	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

NO	JUDUL	NAMA JURNAL	NAMA DOSEN	URL
6	Analisis Perbandingan Pemakaian Solar Cell dan Genset Sebagai Energi Alternatif Penggerak Motor Listrik Pada Pompa Air di Pabrik Pengolahan Kelapa Sawit	Teknobiz	Ebbit Purba, La Ode M. Firman	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/4849
7	Pengembangan Komposit Matrik Epoxy Melalui Penambahan Penguat Serat Rami dan Fiberglass dengan Variasi 2 – 4 wt%	Teknobiz	DENNY KARDIMAN, Dwi Rahmalina	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/5284
8	Pengembangan Material Bambu Untuk Pembuatan Bodi Speed Boat	Teknobiz	Andi Lamappasessu, Dwi Rahmalina	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/5291
9	Studi Kelayakan Jenis Baterai Kendaraan Listrik Roda Empat Dengan Metode Weighed Objective Untuk Program Kendaraan Listrik Di Indonesia	Teknobiz	Rahayu, Djoko W. Karmiadji, La Ode M. Firman	https://journal.univpancasila.ac.id/index.php/teknobiz/article/view/5292
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	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

**PUBLIKASI DI SEMINAR INTERNASIONAL
PROGRAM STUDI S3 TEKNIK MESIN FTUP**

TAHUN 2023/2024

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

**DATA PUBLIKASI DI SEMINAR NASIONAL
PROGRAM STUDI S3 TEKNIK MESIN UNIVERSITAS PANCASILA**

Tahun 2023/2024

No	Nama	Judul	Nama Forum	Url
1	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://teknik.univpancasila.ac.id/semrestek/prosiding/index.php/12345/article/view/500

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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 (TPA) Penujah Kabupaten Tegal Sebagai Bahan Bakar Kompor RDF	Semrestek 2022	https://teknik.univpancasila.ac.id/semrestek/prosiding/index.php/12345/article/view/449