

**PUBLIKASI DI SEMINAR INTERNASIONAL
PROGRAM STUDI TEKNIK MESIN S1 FAKULTAS TEKNIK UNIVERSITAS PANCASILA**

TAHUN 2020

No	Nama Dosen	Judul	Nama Forum	Institusi Penyelenggara	Tempat	URL
1	Agri Suwandi, N. F. Alamsyah, Dede Lia Zariatn, Bambang Sulaksono, and Estu Prayogi	Simulated Design of Hydraulic Systems for Fishing Deck Machinery Hydraulic Type with FluidSIM Software	Mechanical, Infrastructure And Industrial Engineering: Proceedings Of International Symposium On Advances In Mechanical Engineering	Fakultas Teknik Universitas Indonesia	Padang, Indonesia	https://aip.scitation.org/doi/abs/10.1063/5.0000914
2	Dede Lia Zariatn, Tri Murniati, Dwi Antoro	Analysis of Gravitational Water Vortex Turbine Performance	International Conference on Engineering and Information Technology for Sustainable Industry	Swiss German University (SGU)	Tangerang Indonesia	https://dl.acm.org/doi/abs/10.1145/3429789.3429862?casa_token=hBuYuiJI9I0AAAAA:x6DY1aJKDZ0j9YtHsYSxELcDudWuvFzUQ1D2e10yN22PkIHatLQr6oDLFmowErnVPnNYtl-wXwKrg
3	Tresna P. Soemardi, Agri Suwandi , Anwar Soefi Ibrahim	Simulation Experiment to Predict the Critical Friction Area of Acetabular Liner Component on Hip Joint Replacement Implant During Movement	2 nd Borobudur International Symposium on Science and Engineering (BIS-STE) 2020	Universitas Muhammadiyah Magelang	Magelang	https://www.atlantispress.com/article/125959906.pdf

TAHUN 2019

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1	Tresna P. Soemardi, Agri Suwandi , Cholid Badri, Anwar S. Ibrahim, and Agus Hadian Rahim	Mechanical aspect analysis of dental stone grade IV material for total hip replacement component	The International Symposium of Biomedical Engineering (ISBE) 2019	Research Center for Biomedical Engineering Faculty of Engineering Universitas Indonesia	Padang, Indonesia	https://aip.scitation.org/doi/abs/10.1063/1.5139321

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2	Parikin, Mohammad Dani, Arbi Dimiyati, Novita Dwi Purnamasari, Salim Mustofa, Sriardjanto, Syahbuddin , Ching An Huang	Determination of Cubical Crystal Structure of the FeCrNi Austenitic Stainless Steel After Arc Plasma Sintering Using Bragg Formula Arithmetic	The 16th International Conference On Quality In Research	FT Universitas Indonesia, Univ Andalas, Univ. Bung Hatta, Univ. Dharma Andalas	Padang	https://www.researchgate.net/publication/337904952_Determination_of_Cubical_Crystal_Structure_of_the_FeCrNi_Austenitic_Stainless_Steel_after_Arc_Plasma_Sintering_Using_Bragg_Formula_Arithmetic
3	Agustan, Djoko W. Karmiadji , Mega Novetrishka Putri, Oni Bibin Bintoro, Ira Nurhayati Djarot, Hasan Soleh, Aris Irawan, Hary Soebagyo	Combining Delphi Study and Scenario Planning for Indonesia Research Priorities in Maritime Sector	International Conference on Aerospace Electronics and Remote Sensing Technology (ICARES)	LAPAN	Royal Ambarukmo Hotel, Yogyakarta	https://ieeexplore.ieee.org/abstract/document/8914342
4	Yani Kurniawan, Muslim Mahardika, and Suyitno	Effect of punch velocity on punch force and burnish height of punched holes in punching process of pure titanium sheet	The 2nd International Conference on Computer Science and Engineering Technology	Faculty of Engineering Universitas Muria Kudus	Gripta Hotel Kudus	https://iopscience.iop.org/article/10.1088/1742-6596/1430/1/012053/meta
5	F Azarul, M D Trisno and Dahmir Dahlan	Design of 270 CC T2 gas capacity converter	The 2nd International Conference on Engineering and Applied Technology	Muhammadiyah Engineering Forum held in Aceh Indonesi	Aceh, Indonesia	https://iopscience.iop.org/article/10.1088/1757-899X/674/1/012057/meta
6	Dede Lia Zariatn, Taruna Taruna, Danies Seda, Agri Suwandi, Ismail Ismail	The Improvement Of Electrical Power Generated By Pump As Turbine Using Guide Vane	The 5 th International Conference INNOVATION RESEARCH FOR SCIENCE, TECHNOLOGY, AND CULTURE	Fakultas Teknik Universitas Pancasila	FTUP, Jakarta	https://jurnal.umj.ac.id/index.php/JASAT/article/view/7245

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7	Tresna Priyana Soemardi, Agri Suwandi , Cholid Badri, Anwar Soefi Ibrahim, Sastra Kusuma Wijaya and Januar Parlaungan Siregar	Development of Total Hip Joint Replacement Prostheses Made by Local Material: An Introduction	The 1st International Conference on Automotive, Manufacturing, and Mechanical Engineering	Mechanical Engineering Department and Continuing Education Center, Petra Christian University, Surabaya, Indonesia	Holiday Inn Resort Baruna, Kuta	https://www.e3s-conferences.org/articles/e3sconf/abstract/2019/56/e3sconf_icamme2018_01032/e3sconf_icamme2018_01032.html
8	Dede Lia Zariatn, Risdianto, Amat Chaeroni1 and Ismail	Experimental Analysis of Semi-Open Impeller Pump as Turbine	Tarumanagara International Conference on the Applications of Technology and Engineering 2019	Universitas Tarumanagara	Universitas Tarumanagara, Jakarta	https://iopscience.iop.org/article/10.1088/1757-899X/852/1/012069/meta

TAHUN 2018

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1	Erlanda Augupta Pane, Hendri Sukma, Arif Riyadi Tatak and Ismail	The utilization of solid waste treatment for charcoal making and water heating by continuous incineration	The 3rd International Tropical Renewable Energy Conference “Sustainable Development of Tropical Renewable Energy” (iTREC 2018)	the Faculty of Engineering Universitas Indonesia.	The Anvaya Beach Resorts-Bali Indonesia.	https://www.e3s-conferences.org/articles/e3sconf/abstract/2018/42/e3sconf_i-trec2018_02001/e3sconf_i-trec2018_02001.html
2	Dahmir Dahlan	First Investigation of Renewable Raw Materials for Engineering Applications	World Conference on Timber Engineering 2018	Korea Forest Service Nasional Institute of Forenst Science, SKWST, Architectural Intitute of Korea, Seoul National University	Coex, Seoul, Republic of Korea	

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3	Damora Rhakasywi, Ismail, Agri Suwandi and A Fadhli	Analysis of subsonic wind tunnel with variation shape rectangular and octagonal on test section	10th International Conference Numerical Analysis in Engineering	University of Sumatera Utara, Toyohashi University of Technology Japan, JSME – ICTS, Universiti Kebangsaan Malaysia (UKM), Bangi, BKM-PII, Universitas Syiah Kuala, IKATM USU	Banda Aceh, Indonesia	https://iopscience.iop.org/article/10.1088/1757-899X/308/1/012036/meta
4	Dwi Rahmalina, Jefri Irwanto, Hendri Sukma, Susanto, Indra C. Setiawan and Amin Suhadi	Effect of 5-15% Carbon Black Reinforcement on Mechanical Properties and Resistivity of Composites	International Conference on Design and Application of Engineering Materials	Institut Teknologi Bandung	Bandung, Indonesia	https://iopscience.iop.org/article/10.1088/1757-899X/547/1/012057/meta
5	Agri Suwandi, Dede Lia Zariatn, Bambang Sulaksono, Estu Prayogi and I Made Widana	Simulation-based prediction of structural design failure in fishing deck machinery a hydraulic type with finite element method	1st annual IC-AMME (International Conference on Automotive, Manufacturing and Mechanical Engineering)	Universitas Kristen Petra	Holiday Inn Resort Baruna Bali	https://www.e3s-conferences.org/articles/e3sconf/abs/2019/56/e3sconf_ic-amme2018_01001/e3sconf_ic-amme2018_01001.html
6	Ismail	Analysis of Blade Savonius Turbine Design for Improvement the Utilization of Wind Energy	The 6 th International Conference on Nuclear and Renewable Energy Resources (NURER2018)	Korea Advanced Institute of Science and Technology (KAIST)	Ramada Plaza Jeju, Korea	https://www.isjaee.com/jour/article/view/1424?locale=en_US
7	Yani Kurniawan, Muslim Mahardika, Suyitno, Muhammad Yaser	An Investigation on Punching Process of Circular Hole on Commercially Pure Titanium Sheet	The 7th Engineering International Conference	Universitas Negeri Semarang	Universitas Negeri Semarang	http://sisdam.univpancasila.ac.id/uploads/berkas/penelitian/penelitian-031804810514102020124135.pdf
8	Gandjar Kiswanto and Wina Libyawati	Fundamental Aspects in Designing Vibration Assisted Machining: A Review	International Conference on Mechanical Engineering Research and Application	Department of Mechanical Engineering, Brawijaya University	Malang	https://iopscience.iop.org/article/10.1088/1757-899X/494/1/012095/meta

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9	Dwi Rahmalina, Hendri Sukma and Andry	Effect on Processing Parameters on The Shrinkage Defect Using A High-Pressure Die-Casting Process	19th International Union of Materials Research Societies International Conference in Asia (IUMRS-ICA)	International Union of Materials Research Societies	Bali, Indonesia	https://iopscience.iop.org/article/10.1088/1757-899X/553/1/012037/meta
10	Dede Lia Zariatina, S N Fitria, Y Dewanto, Ismail and Dwi Rahmalina	The performance of the modified pump motor as a generator on the Pump as Turbine (PAT) power plant	3rd International Symposium on Green Technology for Value Chains 2018	LIPI	ICE BSD City Tangerang	https://iopscience.iop.org/article/10.1088/1755-1315/277/1/012016/meta
11	Dahmir Dahlan	Analisis Konverter Gas Dengan Uji Validasi Kinerja Liquefied Petroleum Gas (Lpg) Motor Penggerak Perahu/Kapal Ikan	2nd International Conference of Applied Sciences on Engineering, Business, Linguistic and Informtion of Technology	ICO-ASCNITECH	ILD@enstek, Negeri Sembilan Malaysia	Invited / Keynote Speaker
12	Budhi Muliawan Suyitno	Renewable Energy Center	2nd International Conference of Applied Sciences on Engineering, Business, Linguistic and Informtion of Technology	ICO-ASCNITECH	ILD@enstek, Negeri Sembilan Malaysia	Invited / Keynote Speaker
13	Hendri Sukma, Dwi Rahmalina, Bambang Sulaksono and Erlanda Augupta Pane	Surface Characterization of the Ceramic Coating Process on Aluminium Matrix Composite Reinforced Particulate	Conference on Innovation in Technology and Engineering Sciences	Fakultas Teknik Universitas Andalas	Universitas Andalas, Padang	https://iopscience.iop.org/article/10.1088/1757-899X/602/1/012084/meta
14	Lukas Dwi Purnomo, Dwi Rahmalina and Agri Suwandi	Analysis design of the gating system on high-pressure die casting process for production effectiveness	Tarumanagara International Conference on the Applications of Technology and Engineering 2018	Universitas Tarumanagara	Auditorium M Building Lt. 8 Universitas Tarumanagara	https://iopscience.iop.org/article/10.1088/1757-899X/508/1/012058/meta
15	Dwi Rahmalina, Hendri Sukma, Novan Kamanda and M Luthfi Aldiyansyah	The effect of copper content on mechanical properties of Al ₃ Si-Al ₂ O ₃ /SiC hybrid composite	Tarumanagara International Conference on the Applications of Technology and Engineering	Universitas Tarumanagara	Universitas Tarumanagara	https://iopscience.iop.org/article/10.1088/1757-899X/508/1/012074/meta

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16	Erwin Erwin, Tresna Priana Soemardi, Adi Surjosatyo, Yulianto Sulisty Nugroho, Kurnia Nugraha, Ratih Diah Andayani and Ismail	Analysis of near wake recovery scale model vawt hybrid wind turbin in wind tunnel	Tarumanagara International Conference on the Applications of Technology and Engineering	Universitas Tarumanagara	Universitas Tarumanagara	https://iopscience.iop.org/article/10.1088/1757-899X/508/1/012068/meta
17	Eko Prasetyo, Rudi Hermawan, Erlanda Augupta Pane and Ranti Dwi Puspita	Analysis of Turbine Blade Number Towards The Micro Gas Turbines Performances	Tarumanagara International Conference on the Applications of Technology and Engineering (TICATE) 2018	Universitas Tarumanagara	Universitas Tarumanagara	https://iopscience.iop.org/article/10.1088/1757-899X/508/1/012061/meta
18	Dani, M., Dimyati, A., Parikin., Adhika, D.R., Jahja, A.K., Insani, A., Syhabuddin. , Huang, C.A.	Microstructure Deformation of Austenitic Superalloy Steel after Arc Plasma Sintering	International Conference on Material Science and Technology	BATAN	Puspitek Serpong	https://ijtech.eng.ui.ac.id/article/view/2991

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1	Bambang Cahyadi and Yani Kurniawan	Product Design for Cable Waste Peeler Machine	ISIEM (International Seminar on Industrial Engineering & Management)	10th International Seminar on Industrial and Management (10th ISIEM)	Belitung-Indonesia	https://iopscience.iop.org/article/10.1088/1757-899X/277/1/012035/meta
2	Dede Lia Zariatin, Damora Rhakasywi, Fahzul Ade and Abdi Setyo	Design of Pump as Turbine experimental Test Facility	International Conference on Mechanical Aeronautical and Automotive Engineering (ICMAA 2017)	Universiti Teknologi Mara, Malaka, Malaysia	Universiti Teknologi Mara, Malaka, Malaysia	https://www.matec-conferences.org/articles/mateconf/abs/2017/22/mateconf_icmaa2017_04014/mateconf_icmaa2017_04014.html

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3	Agri Suwandi, Tresna P. Soemardi, Gandjar Kiswanto, Widjajalaksmi Kusumaningsih, and I. Gusti Agung I. G. W	Development of friction and wear full-scale testing for TKR prostheses with reliable low cost apparatus	2nd International Symposium on Biomedical Engineering 2017 (ISBE 2017)	Fakultas Teknik Universitas Indonesia	The Westin Resort Nusa Dua Bali	https://aip.scitation.org/doi/abs/10.1063/1.5023937
4	Ismail	Optimization of Open Channel Water Tunnel Design	The 15th International Conference Quality in Research (QIR) 2017	Universitas Indonesia	Nusa Dua Bali	
5	Damora Rhakasywi, Ismail, Agri Suwandi and A Fadhli	Analysis Of Subsonics Wind Tunnel With Variation Shape Rectangular And Octagonal On Test Section	The 10 th International Conference on Numerical Analysis in Engineering	Universitas Sumatera Utara	Hermes Hotel Banda Aceh	https://iopscience.iop.org/article/10.1088/1757-899X/308/1/012036/meta
6	Dede Lia Zariatn, Shanti Kumbarasari and Dwi Rahmalina	The Performance of Pump as Turbine with Machined Impellers	International Joint Conference on Advanced Engineering and Technology (IJCAET 2017)	Diponegoro University, Pukyong National University and Udayana University	Sanur Paradise Plaza, Bali	https://www.matec-conferences.org/articles/mateconf/abs/2018/18/mateconf_ijcaet-isampe2018_02024/mateconf_ijcaet-isampe2018_02024.html
7	Ismail, Erlanda Augupta Pane and Soleh	Optimization Twist Angle of Darrius Wind Turbine with Computational Fluid Dynamics (CFD) Simulation for Highway Area Application	The 3rd International Conference on Electrical Systems, Technology and Information (ICESTI 2017)	Institut Teknologi Nasional Malang	Bali, Indonesia	https://www.matec-conferences.org/articles/mateconf/abs/2018/23/mateconf_icesti2018_01016/mateconf_icesti2018_01016.html
8	Dwi Rahmalina, Hendri Sukma, Indra Setiaji	Characterization of Aluminum Matrix Composite Al-9Zn-0.1Mg-3Si Reinforced with Ceramic Particulate	4 th International Seminar: Research For Science, Technology And Culture (IRSTC 2017)	Politeknik Malaysia	Politeknik Part Dickson, Negeri Sembilan	https://teknik.univpancasila.ac.id/dosen/similarity/Dwi%20Rahmalina/5%20Turnitin%20%20Characterization%20of%20Aluminum%20Matrix%20Composite%20Al-9Zn-0.1Mg-3Si%20Reinforced%20with%20Ceramic%20Particulate.pdf

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9	Eko Prasetyo, Rudi Hermawan, AL Putra, Dede Lia Zariatn	Fluid Flow Analysis of Micro Gas Turbine Using Computational Fluid Dynamics (CFD)	4 th International Seminar: Research For Science, Technology And Culture (IRSTC 2017)	Politeknik Malaysia	Politeknik Part Dickson, Negeri Sembilan	https://www.researchgate.net/publication/323308364_Fluid_Flow_Analysis_of_Micro_Gas_Turbine_using_Computational_Fluid_Dynamics_CFD
10	Harus Laksana Guntur, Wiwiek Hendrowati, Novian Fajar Satria, and Hary Soebagy	Analysis of the Influence of Single-Double Input Cylinder with Single Output Generator to the Performance of Hydraulic Regenerative Shock Absorber	The 3rd International Conference on Mechanical Engineering (ICOME 2017)	Institut Teknologi Sepuluh November	Surabaya, Indonesia	https://aip.scitation.org/doi/abs/10.1063/1.5046251
11	M Setiyo, B Waluyo, B C Purnomo, Djoko W Karmiadi , and Indra Chandra Setiawan	Potential of ½ cycle refrigeration system for food transport application	1st International Conference on Engineering and Applied Technology (ICEAT)	Universitas Muhammadiyah Mataram	Mataram, Indonesia	https://iopscience.iop.org/article/10.1088/1757-899X/403/1/012093/meta
12	Harinaldi, Ramon Trisno , Bisma Kertanegara	The Effect of Orifice Diameter Variations of Conical Cavity Synthetic Jet Actuator on the Drag Reduction of the Reversed Ahmed Body Model	International Conference on Industrial Design Engineering (ICIDE 2017)	Chulalongkorn University, Asia University, Western Michigan University, National Chiayi university	Dubai, United Arab Emirates	https://dl.acm.org/doi/abs/10.1145/3178264.3178275?casa_token=IIVHCJiz5_EAAAAA:dPoV6_d-dysyOdvyii83LMFVXFYZwjGJ5xI_EnmePYG5k6FDUMfPm0tjhu1bHRvz0dc_DS-DFV_HQ