



ICSTAR UNILA 2022
The 8th International Conference on Science,
Technology and Interdisciplinary Research 2022



RUNDOWN PROGRAM

September 26, 2022 (Monday)

13:00 Arrival of the participation (offline meeting)
14:00 - 17:30 Hotel check in and Pre-Registration participants

September 27, 2022 (Tuesday) @ Bukit Randu Hotel and Resort

08:00 - 08:30	Registration for conference participants
08:30 - 09:00	Official Opening Ceremony https://zoom.us/j/99947411555 Meeting ID: 999 4741 1555 Passcode: unilajaya
	Report and Acknowledgement Speech by Assoc. Prof. Ir. Irza Sukmana, S.T., M.T., Ph.D., IPU - Conference Chair
	Welcoming Speech by Ir. Dr. Eng Helmy Fitriawan, S.T., M.Sc. - Dean, Faculty of Engineering Unila
	Official Opening Speech by Prof. Dr. dr. Asep Sukohar, M.Kes. - Vice-Rector for General Administration and Finance, Unila
09:00 - 09:30	Coffee Break
09:30 - 10:30	Pleanary Keynote Speaker Session I https://zoom.us/j/99947411555 Meeting ID: 999 4741 1555 Passcode: unilajaya
	Session Chair: Dr. Eng. Lukmanul Hakim, S.T., M.Sc.
	Prof. Syarifah nur Aqida Binti Syed Ahmad - <i>Universiti Malaysia Pahang, Malaysia</i> "Laser Technology for Surface Enhancement"
	Prof. Joni Agustian - <i>Universitas Lampung, Indonesia</i> "Mesostructure Cellular Foam (MCF) Silica in Amulases Immobilization for Strach Hydrolysis"

10:30 - 12:00 12 min. max 8-10 minutes presentation 2-4 minutes Q&A	Parallel Presentation Session I : Morning				
	Parallel Room 1 Offline Meeting	Parallel Room 2 Offline Meeting	Parallel Room 3 Zoom meeting link:	Parallel Room 4 Zoom meeting link:	Parallel Room 5 Zoom meeting link:
	Session Chair:	Session Chair:	Session Chair:	Session Chair:	Session Chair:
	Assistant:	Assistant:	Assistant:	Assistant:	Assistant:
	Gusri Akhyar Ibrahim (#4409) Optimization Cutting Parameters of Ti-6Al-4V ELI Thread on Major and Minor Diameters Using Taguchi Method	Yogita Dharmik (#3842) Blockchain-Based Document Verification for Smart Learning Management	Dinda Wahyu Setiarini (#3099) Geological Strength Index (GSI) and Tunnel Construction Method In Bintang Bano Irrigation Tunnel, Sumbawa Barat, Nusa Tenggara Barat	Muhammad Rizaldi Nuraulia (#0614) Stability Analysis of Support System: A Case Study of Rukoh Dam Suppletion Tunnel, Pidie Regency, Aceh	Delfly Abdjul (#2551) UV absorbing substances in the Indonesian starfish Archaster typicus
	Muslimin (#5514) 3D Printing Filament Extruder Machine: Heat Transfer Analysis	Aditya Eka Harsana (#4725) Design and Implementation of Helpdesk Module in Digital Repository Information System at University of Lampung Library	Andi Rochmadi (#3599) Analysis of Subsurface Engineering Geological Condition Based on Rock Mass Rating (RMR) and Geological Strength Index (GSI) in Asahan 3 Hydroelectric Power Plant Tunnel (STA 7+085 - STA 7+717), North Sumatra	Eska R Tririanto (#1279) Correlation between Schmidt hardness and Uniaxial Compressive Strength of Breccia in Kebobutak Formation at Bener Diversion Tunnel, Purworejo, Central Java, Indonesia	Aubain Hilaire Nzokem (#4054) Pricing European Options under five-Parameter Gamma-Variance Process
	Muhamad Farizi (#6815) Design Desktop Extrusion Molding Machine for Recycled Plastic	Frisa Yugi Hermawan (#9930) The Automatic Film Viewer Integrated With The Automatic Densitometer Using Light Intensity Method	Jodan Panretta Diwan (#3544) Slope Stability Analysis by Limit Equilibrium Method of The Inlet and Outlet	Andy Purwanto (#5920) Determination of The Tunnel Excavation Methods, Support Systems, and Stand-up Time Based on Rock Mass Rating 1989 (RMR89) of The Spillway Tunnel, Bulango Ulu Dam, Gorontalo Province, Indonesia	Fisa Savanti (#4520) Assessment of Natural Ventilation on Carbon Dioxide Concentrations in Pandemic Situation

Achmad Yahya Teguh Panuju (#7272) Green Innovation for SMEs in Indonesia – A Literature Analysis	Farist Khaeruman (#8053) Noise Detection System in Library Reading Room Using Arduino-based Internet of Things	Hidayat Wisnuaji (#4182) Slope stability analysis of spillway tunnel in Pelosika Dam, Konawe, South East Sulawesi	Aditya Rasdi Metly (#1509) Numerical Evaluation of Proposed Support Design for Intake Tunnel of Meninting Dam, West Nusa Tenggara, Indonesia	Martinus (#5748) Bamboo Electric Bicycle as an Alternative Transportation Vehicle in Lampung University
A M Ummati (#7045) Curved Damper as Structural Retrofitting Element to Improve Steel Truss Bridge Performance	Paulus Setianugroho (#4965) Performance of Deep Beam In Seismic-Resistant Building Using Strut And Tie Method Based on SNI 2847-2019 and ACI 318-19	Lutfie Arlan Sandria (#8173) Relationship between Rock Mass Rating (RMR), Q-System, and Geological Strength Index (GSI) of Rock Masses at the Dolok Dam's Diversion Tunnel, Central Java	Rahmat Catur Wibowo (#7293) Multiple Linear Regression Method For Thermal Maturity Prediction Based On Well Logs	Elman Torres (#8846) Evaluation of Vermicompost Tea Quality as Affected by Short Duration of Brewing Process
Jihan Aferiansyah (#5322) Folklore Visual Novel Game Development Using Agile Kanban Board Method	Nadia Aulia Febrizki (#6851) Performance of Building Structures Using Building-Frame System And Dual System In Seismic-Resistant Building	Dwitra W Elris Purba (#5118) Preliminary Excavatability Assessment Based on Quality of Rock Mass in Mbay Dam Diversion Tunnel, East Nusa Tenggara	Zulhilmi Bangkit Harwinda (#1346) Correlation between RMR and GSI at the Rukoh Dam Suppletion Tunnel, Aceh Province, Indonesia	Kesit Himawan Setyadji (#5676) Typology of Javanese House in Saradan Wonogiri
Irza Sukmana (#8340) Static Structural Properties of Magnesium AZ31B Based on Experimental and Finite Element Analysis for Bone-Plate Implant Application	Husnul Khotimah (#5194) Performance of Seismic-Resistant Building Structure Using Diaphragm Based on SNI 2847:2019 and ACI 318-20	Anggoro Bagyo Mulyo (#9108) Numerical Evaluation Slope Stability Based On Initial Design of the Inlet Portal Jragung Dam Diversion Tunnel, Indonesia	Rangga Prasetya (#63644) Rock Mass Evaluation on The Post Construction Stage in Cismudawu Tunnel, Rancakalong, Sumedang District, West Java, Indonesia	Musyawaroh (#5742) Puntukrejo Village Development Strategy Based on Agrotourism
Septafiansyah D Putra (#8765) Usability Testing of Dashboard System at Smart Greenhouse in Lampung Province, Indonesia	Meizano Ardhi Muhammad (#2687) Mixed Reality Implementation for Lampung Museum	Restika Putri (#1369) Performance Assessment of Small-Scale Irrigation Areas Based on ePAKSI in Pringsewu Regency	Chetan Kannake (#8887) The School ERP System in India	Armijon (#4989) Preliminary Study: Determining Optimal Location for House Relocation in Way Krui, Lampung, Indonesia
12:00 - 13:00	Lunch and Dzuhur Praying			

13:00 - 14:00	Pleanary Keynote Speaker Session I https://zoom.us/j/99947411555 Meeting ID: 999 4741 1555 Passcode: unilajaya			
	Session Chair: Dr. Misfa Susanto			
	Dr. Fethma M Nor - Universiti Teknologi Brunei, Brunei Darussalam "Synthesis of natural hydroxyapatite from waste pig bones, buffalo bones and goat bones via calcination method at various times and temperatures"			
	Dr. Yongqiang Cheng - University of Hull, UK "Challenges, Pitfalls and Lessons Learnt on Development of A Smart Digital Healthcare Device to Achieving the CE Medical Class II Status"			
14:00 - 15:00	Parallel Presentation Session II : Afternoon			
	Parallel Room 1 Offline Meeting		Prarallel Room 3 Zoom meeting link:	Prarallel Room 4 Zoom meeting link:
	Session Chair: Dr. Khairudin Assistant:		Session Chair: Dr. Nandi Assistant:	Session Chair: Assistant:
	Tarkono (#9925) The Effect of Natural Rubber Volume on Sound Absorption Ability of Oil Palm Empty Fruit Bunch Fibre Boards		Rina Widayanti (#8176) Comparison of the microclimate in the village with the element of the water body as one of the land functions	Anggoro Bagyo (#5182) Numerical evaluation slope stability based on initial design inlet portal Jragung dam
	Rizal Adi Saputra (#4817) Application of Lampung Natural Rubber Composite Reinforcement OPEFB Fiber (Oil Palm Empty Fruit Bunch) for Truck Engine Bio-Isolators		Alya Putri Ardinal (#8646) Fire Risk Assessment on Fishing Vessel	Warlinda Eka Triastuti (#6181) Effect of Steam Delignification and Bleaching Process on Pineapple Leaf Fiber as Textile Material
	Rizkimia Akbar Setiawan (#6187) Design a Test Set Generator Using Error Table Method for Error Diagnosis on Combination Digital Circuits		Warlinda Eka Triastuti (#9105) Production of Starch Modification as Fishing Nets Composite by Acetylation Methods	Missaoui Sayah (#8587) Prediction of the Onset of Nucleate Boiling in a narrow, rectangular channel in a research reactor for Molybdenum-99 production.

	Endro P Wahono (#8052) Rainwater Harvesting Technology: Efficiency and Public Preference of Clean Water Supply at The Pasaran Island		Ayu E Sri Wulansari (#9923) Spatial Pattern Squatter Settlements In Semanggi Railway Track	Er. Kulbushan Rassewatt (#1622) Effectiveness of DCT and Walsh Transforms employing DWT-SVD designed for watermarking	
	Muslimin Muslimin (#7039) Manufacture and Testing of 3D Filament Printers Using Recycled LDPE Plastic Raw Materials				
	Amrul (#9924) Potential of Waste to Energy in the Lampung University Campus				
15:00-15:30	Coffee Break				
15:30-15:40	Concluding Remarks and Closing Statement from the Organizer				

September 28, 2022 Workshop on International Publication (using Online Zoom meeting platform)

09:00 - 09:30	Registration, welcome, and practical information by Organiser
09:30 - 11:30	Preparing Your Manuscript for The International Journal Prof. Moh. Badaruddin, S.T., M.T., Universitas Lampung, Indonesia
11:30-11:45	Closing for the IC-STAR 2022 activity