

Parallel Session Schedule

Room Loc. : SB 01 6th floor
 Moderator : Afida Husnia
 Assistant & Adm. : Sania Diva Mahami

Time	Room 1
10.00-10.10	ID: X - School Facilities And Alumni Competences Relation of Diploma III, Polytechnic Vocational Education – Rifandi, A.
10.15-10.25	ID: 12 - Can Technology Build Students' Autonomous Learning? – Ginting, D., Djiwandono, P. I., Woods, R., & Lee, D.
10.30-10.40	ID: 92 - E-Learning Development using Life-Based Learning Model – Mawangi, P. A. N. & Pramudhita, A. N.
10.45-10.55	ID: 294 - Empowering TVET Graduates For Challenging Industrial 4.0 – Hassan, N. F., Sanusi, A. M., Md Khair, S. N., Mohd, F., & Mohd Amin, M. F. M.
11.00-11.10	ID: 244 - The Inventory Control Analysis of Head Truck Spare Parts with Continuous Review Policy in Container Terminal Company – Praharsi, Y., Julianto, E., & Wee, H.
11.15-11.25	ID: 305 - Pedagogical Roles and Presentation Attribute of a Video as a Didactic Teaching Aids for Electrical Wiring Installation and Maintenance in Vocational College – Mohamed, A. R., Masek, A., Mohd Zuki, F. S., & Ismail, A.
11.30-11.40	ID: X - Marketing Strategies And Salesman Behavior Effects On Customer Retention – Patma, T. S., Mauludin, H., & Roswidjajanti
11.45-11.55	ID: 184 - To Concur or Conquer? Redirecting [Vocational] Accounting Education in Industrial Revolution 4.0 – Kamayanti, A.
12.00-13.30	Lunch Break and Dzuhur Prayer
13.30-13.40	ID: 132 - An Empirical Analysis of Rentability and Macroeconomics Affecting Liquidity on Indonesian Islamic Bank - Shobbarin, A. A. & Sumiyati
13.45-13.55	IDL 149 - Social Networking Stakeholders in Tourism-Based Rural Development Community - Anggraini, O.
14.00-14.10	ID: 28 - Smart Electric Terminal With WEB Display Using Dreamweaver Programming In Local Network - Rafiq, A. A.
14.15-14.25	ID: 48 - RTL-SDR Audio Signal Optimization Using Noise Reduction and Fast Fourier Transforms - Rahman, A. Y.
14.30-14.40	ID: 80: Exploration of Dye-Sensitized Solar Cell Considering Agarwood Chlorophyll - Mashari, R. M.
14.45-14.55	ID: 101 - Utilization of a Hybrid Generating System with Control of the Load Supply - Abdillah, H.

Parallel Session Schedule

Room Loc. : SB 02 6th floor
 Moderator : Noverita Wahyuningsih
 Assistant & Adm. : Fernanda Dwi I.

Time	Room 2
10.00-10.10	ID: 35 - Peak Detection of Pulse and Heart-Rate Sensor Using Adaptive Threshold Applied on Microcontroller – Zaeni, I. A. E. & Aripriharta
10.15-10.25	ID: 54 - Production Cost Optimization on CCGT-Gas Engine Power Plant Using Lagrange Method – Hakim, M. F., Ridzki, I., Saputra, M., Wulandari, A. D., & Wibowo, S. S.
10.30-10.40	ID: 222 - Proportional And Derivative Control For Forklift Follower Robot Line – Sakti, I. M., Zaeni, I. A. E., Lestari, D., & Sendari, S.
10.45-10.55	ID: 504 - The Automatic Vertical Blind Angle Regulator With Accumulator Supply – Mohammad, L., Wahjono, E., & Suhariningsih
11.00-11.10	ID: 107 - The Electric Measuring For Solar Cell Monitoring Trainer – Faqih, K., Afandi, A. N., & Prihanto, D.
11.15-11.25	ID: 470 - The Implementation of Fuzzy Logic For Smart Greenhouse As a Breeding Media for Greenhouse Potato Based on Microcontroller – Sari, I. A., Handayani, A. N., & Lestari, D.
11.30-11.40	ID: 38 - Wind-Turbine Optimization Using Hybrid ANFIS-PID Based On Ant Colony Optimization (ACO) – Ali, M. & Afandi, A. N.
11.45-11.55	ID: 231 - NFT-Based Hydroponic Embedded Systems and Solar Cell Power Design Using Takagi Sugeno Fuzzy – Abdurahman & Sutarno
12.00-13.30	Lunch Break and Dzuhur Prayer
13.30-13.40	ID: 4 - Potential Antihypercholersterolemic From Xanthosoma sagittifolium Flour Water-Soluble Polysaccharides (WSP) - Raharjo, S. J.
13.45-13.55	ID: 25 - Ca₃(PO₄)₂ Synthesis of Tuna Fishbone and Bentonite Intercalated as Catalyst in Waste Cooking Oil Biodiesel Produce - Sutapa, I. W.
14.00-14.10	ID: 52 - Analysis of Phenol Compound in Caesalpina sappan L. Extract Through Gas Chromatography - Asfar, A. M. I. A. A
14.15-14.25	ID: 333 - Effect of Eluent Concentration on Cobalt(II) Preconcentration by Solid Phase Extraction Using Biomass of Azolla Microphylla-Silica - Putri, S. A.
14.30-14.40	ID: 164 - Ergonomic Design of Low-Energy Housing in Urban Housing Development - Hidayat, K.
14.45-14.55	ID: 174 - Axial Capacity of Concrete Filled Double Lip Channel - Wahiddin

Parallel Session Schedule

Room Loc. : SB 03 6th floor
 Moderator : Mariana Ulfah Hoesni
 Assistant & Adm. : Aziz Ariono Rahman

Time	Room 3
10.00-10.10	ID: 282 - A Review to Weld Joint Performance of Tungsten Inert Gas (TIG) – Muzakki, H. & Yusuf, M.
10.15-10.25	ID: 425 - Bioethanol Quality Analysis of Fruit and Vegetable Waste As Fuel Using Reflux Distilator Model – Nadliroh, K., Ilham, M. M., & Derryansyah, I.
10.30-10.40	ID: 22 - Car Seat Vibration Analysis for Proton Wira, a Malaysian Local Car – Priyandoko, G., Roslan, M. R., & Rahman, A. Y.
10.45-10.55	ID: 88 - Cashew Sheller – A Low Technology Production Tools For Low-Educated Female Workers Based On Female Ergonomic Anthropometry – Wahyuhati, B. B.
11.00-11.10	ID: 465 - Pepper Berries Separator Machine Design Using VDI 2222 Method – Aswin, F., Yulianto, Arkam, F., Herifiadi, & Zoki
11.15-11.25	ID: 50 - Surface Hardness of Aluminum Oxide in Anodize Coloring Under Low Voltage – Buwono, H. P., Hadi, S., Muzaki, M., Subagiyo, & Agustriyana, L.
11.30-11.40	ID: 351 - The Effect of Heater Barrel Temperature, Compressor Pressure, Extruder rpm, K1.3 Head Accumulator Temperature, and Hooper Extruder Temperature to the Incompatibility of Water Gallon Thickness – Siwi, D., Wiediantini, Juniani, A. I.
11.45-11.55	ID: 419 - Ultrasonic Sensor for Automativ Water Valve Switch – Budiarmo, H. & Muzakki, H.
12.00-13.30	Lunch Break and Dzuhur Prayer
13.30-13.40	ID: 145 - Design of DC-DC Boost Converter to Enhance Vertical Axis Wind Turbine Performance - Khairunnisa
13.45-13.55	ID: 154 - Ground Fault Detection of Generator-Transformer Unit Based on Wavelet Transform and Neutral Networks Statistical Parameters - Sultan, A. R.
14.00-14.10	ID: 65 - Cloud Manufacturing – An Approach to Strengthen Global Competitiveness of the Indonesian Small and Medium Manufacturing Enterprises (SMMEs) - Mubarok, K.
14.15-14.25	ID: 77 - Numerical Study of the Maximum Iteration Effect in CFD to Vertical Axis Savonius Turbine - Setiawan, P. A.
14.30-14.40	ID: 81 - Performance Analysis of Electric Vehicle Powertrain System with Multi-Speed Transmission - Zainuri, F.
14.45-14.55	ID: 128 - A New Metaheuristics For Solving Production Leveling (Heijunka) Problem: Partial Comparison Optimization - Adhi, A.

Parallel Session Schedule

Room Loc. : SB 04 6th floor
 Moderator : Rita Dharmayanti
 Assistant & Adm. : Mery Christiana

Time	Room 4
10.00-10.10	ID: 23 - A SCORM Generating Software Model from Ontology-based Knowledge Organization – Istiadi, Nugroho, L. E., & Santosa, P. I.
10.15-10.25	ID: 3 - An Application for the Archeological Animals Recognition Using the Android-Based Augmented Reality – Gunawan, W.
10.30-10.40	ID: 36 - Automatic Recovery for Path Failures on WSN in Agricultural Sites – Apriharta, Handayani, A. N., Afandi, A. N., Taufik, A., Mufti, N., & Horng, G. J.
10.45-10.55	ID: 204 - Big data, IoT, and Deep Learning Model For Plant Disease Detection And Prevention in Smart Farming – Basori, A. H., Al-Jahdali, H. M. A., & Riskiawan, H. Y.
11.00-11.10	ID: 131 - Business Intelligence Tactical Dashboard for Performance Monitoring – Nengsih, W., Nurmalasari, D., & Zulfa, M. S.
11.15-11.25	ID: 93 - Child and Maternal Health Information System Development for Midwives – Kusuma, D. H., Shodiq, M. N., & Yusuf, D.
11.30-11.40	ID: 447 - Classification of Credit Quality to Predict Prospective Customer's Credit Quality Using C4.5 Algorithm – Defriani, M. & Yulistina
11.45-11.55	ID: 37 - Comparison of Cosine and Jaccard Similarity Analysis in Human Skeleton Using Chatbot Learning Application – Amalia, E. L., Wibowo, D. W., Ardiansyah, R., Ulfa, F., & Prayogo, A. J.
12.00-13.30	Lunch Break and Dzuhur Prayer
13.30-13.40	ID: 450 - Integration of Support Vector Machine (SVM) and Phrase Reinforcement Algorithm for Web Content Summarization – Hormansyah, D. S., Fatnuriyah, M., & Syulistyo, A. R.
13.45-13.55	ID: 346 - Integration of The Drone System as Blank Spot Filler Function From The Air Defense Radar System – Batubara, F. D.
14.00-14.10	ID: 152 - IUGR (Intra Uterine Growth Restriction) Diagnosis on the Pregnancy Using Naive Bayes Method – Badriyah T., Sa'adah U., Savitri N. A., Syarif I.
14.15-14.25	ID: 76 - Machine Monitoring System (MMS) Application Development Based on Wemos-D1 IoT And Raspberry-Pi Technologies – Widya, A. R. & Syaputra, H. A.
14.30-14.40	ID: 344 - Marketing Prediction Model Using Artificial Intelligent – Nugroho, A., Nugrahani, N., Ardianto, A., & Sooai, A. G.
14.45-14.55	ID: 404 - Perfomance of AUV Remote Control System Using Voice Command – Syahroni, N., Wahyuningrat, H., & Budiman, H.

Parallel Session Schedule

Room Loc. : SB 05 6th floor

Moderator : Dr. Nurafni Eltivia, SE., Ak., MSA, CFP®, CA

Assistant & Adm. : Rendi Setiawan Norardi

Time	Room 5
10.00-10.10	ID: 39 - Acetic Acid Effect For Starch Esterification Process of Lablab Bean (Dolichos labab) – Microstructure And Functional Properties – Sukamto, Sudiyono, Domas G., P., & Karim, F.
10.15-10.25	ID: 457 - Optimization on Biodiesel Production With Triacetyn as Additive Component From Palm Oil Using Ultrasound-assisted Interesterification Method – Reza, A. M., Mahfud, Husada, C. P., & Kusuma, H. S.
10.30-10.40	ID: 21 - Purposive Treatment to Reduce Acrylamide Compound in Cavendish Chips (Traditional Snack of Indonesia) – Rina, O.
10.45-10.55	ID: 156 - Study Of Asphalt Separation From Asbuton Using Ultrasonic Vibrations – Irfin, Z., Sa'diyah, K., & Nurmahdi, H.
11.00-11.10	ID: 96 - Water Treatment Design Parameters For Electrocoagulation – Darmasetiawan, M.
11.15-11.25	ID: 193 - Calibration of Relative Humidity with Artificial Mass Method in Biogas Plant – Fitriyah, Q., Wahyudi, M. P. E., & Grömping, M.
11.30-11.40	ID: 469 - The Blueprint of Integrated Weather Information System in Industrial Revolution 4.0 – Wardani, D., Sulisty, S., & Mustika, I. W.
11.45-11.55	ID: 451 - The Corn Leaves Color Patterns Determination to Predict The Harvest Time Using The Digital Image Processing – Budhi, R. K., Prayitno, A., & Riady, Z. E.
12.00-13.30	Lunch Break and Dzuhur Prayer
13.30-13.40	ID: 17 - Using Delone and MacLean Information Model to Measure Success in Application of E-Billing Tax System - Al-Farizi, M.
13.45-13.55	ID: 30 - Securing Wireless Sensor Network using Short Signcryption based on Elliptic Curve Bilinear Pairing - Mansur, A. W.
14.00-14.10	ID: 41 - Comparison Between ANFIS, Neural Network, and Extreme Learning Machine for Brain Wave Identification in Robot Manipulator Drive - Dewa, O. B. K.
14.15-14.25	ID: 157 - Academicians Positioning in Waste Management Response - Dewanti, P.
14.30-14.40	ID: 161 - Environment Monitoring System for Data Center with Bluetooth Low Energy Beacon - Al-Azam, M. N.
14.45-14.55	ID: 175 - Detection of Clustering of Flood Hazard Data using K-Means Algorithm and Fuzzy C-Means - Dwiasnati, S.

Parallel Session Schedule

Room Loc. : SB 06 6th floor
 Moderator : Siti Rohani, S.Pd., M.Pd., Ph.D
 Assistant & Adm. : Bagas Brian P.

Time	Room 6
10.00-10.10	ID: 503 - A Low Cost Arbitrary Waveform Generator Using Arduino-Simulink Platform – Widodo, A., Firmansyah, R., & Puspitaningayu, P.
10.15-10.25	ID: 443 - An Open-End Winding Systems in Performance Comparison of Three-Level Against Four-Level Based on Symmetric and Asymmetric DC Source – Wishnuprakasa A., Purwanto E., Jaya A., Rifadil M.M., Praharsena B., Ilman A.F., Jauhari M.
10.30-10.40	ID: 58 - Antenna Tracking Using LabVIEW Control System – Wardhani, R. N., Widiawati, Y., Figana, D., Utami, G. S., & Triningtyas, N.
10.45-10.55	ID: 90 - Automatic Weir Control System – Maulana , G. G., Pancono, S., & Martalia, A. M.
11.00-11.10	ID: 57 - Autonomous Vehicle With Obstacle Avoidance Ability Based on Instruction and Playback Control – Basjaruddin, N. C., Supriyadi, Nurfitriyani, A. R., Akbar, M. A. I., & Kuspriyanto
11.15-11.25	ID: 403 - Hybrid Electric Propulsion System for AUVs with Simulation Results – Syahroni, N., Wahyuningrat, H., & Budiman, H.
11.30-11.40	ID: 352 - Current Reconstruction Based On Recurrent Neural Networks for Three-Phase Inverter – Purnata, H.
11.45-11.55	ID: 26 - Design and Analysis of Monitoring and Controlling Remote System for Wind Power Plant Prototype Using Arduino Web-Based – Hidayat, M. N., Ronilaya, F., Heryanto, I., Roynaldo, M. T., & Sulistyowati
12.00-13.30	Lunch Break and Dzuhur Prayer
13.30-13.40	ID: 218 - Performance Evaluation of Machine Learning Optimization Techniques on Neural Network in The Classification of Pre-Eclampsia – Tahir, M., Badriyah, T., & Syarif, I.
13.45-13.55	ID: 354 - Real Time Simulation Virtual Fitting Room Using Skeleton Tracking and Rigging – Aliffio, Y., Kurniawati, A., & Kusumaningsih, A.
14.00-14.10	ID: 376 - Semantic Web Application for Recommended Mountain Climbing Location – Ulfah, N., Wahyuningrum, P. Y., Mahmud, S. H., Zahrani, T. I., Widiyaningtyas, T., & Sa'adah, M.
14.15-14.25	ID: 437 - Sivion Website Usability Testing Using Usability Scale to Support Industrial Revolution 4.0 – Abraham, F. Z., Santosa, P. I., & Winarno, W. W.
14.30-14.40	ID: 72 - Solving Multi Objectives Team Orienteering Problem with Time Windows using Multi Integer Linear Programming – Hapsari, I., Surjandari, I., & Komarudin
14.45-14.55	ID: 369 - Web-based Portable Incubator for Premature Baby (Monitoring in Personal Mobile Device) – Rahim, I. F. & Salahuddin, N. S.

Parallel Session Schedule

Room Loc. : SB 07 6th floor

Moderator : Dr. Sugeng Harijanto, S.Pd., M.Pd.

Assistant & Adm. : Aqiyla Farikha A.

Time	Room 7
10.00-10.10	ID: 56 - Social Media's Graphic Design Learning – Instagram – Salehudin, M.
10.15-10.25	ID: 487 - Comparison Results of Data Mining Algorithm for Objective or Subjective News Classifications in Sports Articles – Utama, A. B. P. & Pujiyanto, U.
10.30-10.40	ID: 261 - Design and Concept of Remote Control Networks For Military Vehicles - Usman, M. L. L., Fifing, Kharis, F. A., Deswan, F., Fadillah, M. F., & Pratama, B. M.
10.45-10.55	ID: 226 - Developing Eye Movement Glasses as Controller for Shooter Game Interaction – Iskandar, A., Nurindiyani, A. K., Putra, F. R., Safrodin, M., & Basuki, A.
11.00-11.10	ID: 379 - Drones Internet Application for Expansion of Post-Disaster Reach Areas – Rahim, I. F.
11.15-11.25	ID: 459 - Health Monitoring Device for Elderly Based on Microcontrollers Using Fuzzy Method – Chasanah, D. N., Handayani, A. N., & Zaeni, I. A. E.
11.30-11.40	ID: 251 - VoIP And Email Servers For Local Communication at The Natural Disaster Site – Usman, M. L. L., Fifing, & Kharis, F. A.
11.45-11.55	ID: 256 - Conducted Emission Prediction in LED Driver System Using Machine Learning – Hariyawan, M. Y., Hidayat, R., & Firmansyah, E.
12.00-13.30	Lunch Break and Dzuhur Prayer

Parallel Session Schedule

Room Loc. : SB 08 6th floor
 Moderator : Dr. Akhmad Suryadi, BS., MT.
 Assistant & Adm. : Fanda Layla Sari

Time	Room 8
10.00-10.10	ID: 201 - Application of Clean Water and Renewable Energy Management Technology in Efforts Towards Water Self-Sufficiency and Energy Independent Villages (A Study in Indonesia) – Suhartono, E., Budi, B. S., Rahayu, S. S., Widodo, D. A.
10.15-10.25	ID: 323 - Concrete and No-Fines Concrete Characteristics Recognition Using Seawater Curing Treatments – Nday, A. A. U., Mauta, M. C., & Johannis, D. E. W.
10.30-10.40	ID: 415 - Experimental Study on Formulation Adjustment Design Flood on High Rise Building Area – Saud, I., Azis, S. K., & Sungkono
10.45-10.55	ID: 334 - Qualitative Comparative Assessment by fsQCA For Transit Oriented Development (TOD) Area Comparison – Nurlaela, S., Nadyla, A., Zuhdi, A. Y., Yusuf, L., Nurkhariza, A. R., & Rafiusrani, Q.
11.00-11.10	ID: 468 - The Influence of Community Perceptions, Expectations, and Attitudes Towards Self-Adaptation Against Traffic Noise – Tjahjono, N., Suyadi, Hanafi, I., & Latipun
11.15-11.25	ID: 108 - Magnetic Control Trainers Development for the Study of Electromechanical and Electronic Control System – Prasetyo, B., Sendari, S., Prihanto, D., & Afandi, A. N.
11.30-11.40	ID: 227 - LabVIEW and NI myRIO integration for In-Pipe Inspection Robot – Pratiwi, A. F., Rafiq, A. A., Riyaanto, S. D., & Ghani, F. A.
11.45-11.55	
12.00-13.30	Lunch Break and Dzuhur Prayer