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LIST OF ACCEPTED PAPERS

The 1st International Conference on Industrial Electronics, Robotics and Informatics

The Alana Hotel and Convention Centre, Surakarta, Indonesia

1. Aswan Sunge, Candra Naya, Antika Kamalia, Nanang Kurniadi, Irfan Afriantoro and Agus Suwarno. Designing Prototypes in Making Automatic Predictions Drying Clothes
2. Trio Yonathan Teja Kusuma, Susy Susmartini, Bambang Suhardi and Lobes Herdiman. Review Article Intelligent System in Tourism Macro Ergonomics Perspective
3. Raymundus Lullus Lambang Govinda Hidayat, Budi Santoso, Wibawa Endra Juwana, Wibowo Wibowo, Fitriani Imaduddin and Ubaidillah Ubaidillah. Determination of search space - search space preprocessing - for Particle Swarm Optimization using response surface methodology
4. Lobes Herdiman, Ilham Priadhytama and Ihza Yoga Braswara. Energy Efficiency and Sustainable Economy: Design of High Voltage Pulse Generator in Pulse Electric Field for Honey Pasteurization
5. Adhi Kusmantoro. Centralized Control of Multy-Energy for Enhanced Power in Islanded Microgrids
6. Ridho Priambodo, Sutrisno Ibrahim, Joko Hariyono, Faisal Rahutomo, Subuh Pramono, Muhammad Hamka Ibrahim and Meiyanto Eko Sulisty. Seizure Prediction in Epilepsy Based on Electroencephalogram Signal (EEG)
7. Wulan Nurfitri, Cucuk Nur Rosyidi and Eko Pujiyanto. Packing Process Improvement In A Margarine Company using Sustainable Green Lean Six Sigma
8. Novia Rahmawati, Dian Mardi Safitri, Anik Nur Habyba and Indah Permata Sari. Agricultural posture risks assessment in the harvesting process using AWBA
9. Leo Roger Capcha-Capcha, Caleb Josué Espinoza-Huatuco, Diego Omar Chuquillanqui-Zurita, Manuel Michael Beraún-Espíritu and Ethan Andre Beraún-Arroyo. Feasibility and Wind Power Potential of Huancayo for Wind Turbine through a Simulated Model in Simulink
10. Roni Zakaria Raung, Wahyudi Sutopo, Muhammad Hisjam and Djon Hartono. A Systematic Literature Review of Technology Transistion for Electric Motorcycles in Digital Economic Systems
11. Raymond Nathanael Rusli, Bryan Daud Setiawan, Hana Latifah, Irzhafarina Aldayondri, Nurhadi Wibowo, Ellia Kristiningrum and Ajun Tri Setyoko. Implementation of Porter's Generic Strategies in International Airlines Industry Post-Covid-19 Pandemic (Case Study: Qatar Airways and AirAsia)



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12. Alif Nadhif Rabbani, Fara Rahmania Izzaty, Nada Hadiqah, Syafira Nurin Aqmarina, Nurhadi Wibowo, Ellia Kristiningrum and Ajun Tri Setyoko. Porter's Generic Strategic Implementation Analysis on Dairy Product Companies in Indonesia
13. Martinus Heru Palmiyanto, Kaleb Priyanto and Bambang Hari Priyambodo. Characterization of Glass Waste Resulting from Milling Process for Reuse as Filler in Brake Friction Composites
14. Akh Sokhibi, Bambang Suhardi, Pringgo Widyo Laksono and Sugiono Sugiono. A Review Of The Universal Design Approach To Persons With Disabilities Access In Train Stations Facilities, 1997-2022
15. Aldi Damora Siregar, Fitria Indah Astari, Nabilla Farah Raissa Maharani and Nurhadi Wibowo. Indonesia's Fast-Moving Consumer Goods Industries Strategic Analysis in Response to The World Primary Producers Conflict Issue
16. Aryan Budiman, Muhammad Fajratama, Disma Ghaisani and Rahmat Nurcahyo. The Post-Covid Indonesia's Aviation Business Strategic Recovery Plan (Case Study: Citilink Indonesia and Lion Air Indonesia)
17. Fernando Richard Porrás-Atao, Cesar Daniel Gíu-Charapaquí, Renan Alberto Chupos-Damian, Manuel Michael Beraún-Espíritu and Ethan André Beraún-Arroyo. CAE Design of a Camera Oriented Soft Robot in Surgical Interventions
18. Muhammad Naufal Aditya Nugraha, Lobes Herdiman and Roni Zakaria. Redesign of TechnoCool Vest using Reusable Dry Ice Sheets as a Preventive Action of Heat Exhaustion in Indonesian Hajj Pilgrims
19. Nathania Angelica, Pringgo Widyo Laksono, Cucuk Nur Rosyidi, Muhammad Ilhamdi Rusydi, Retno Wulan Damayanti and Eko Pujiyanto. Eye Movement Classification Based On Electrooculography (EOG) Signals To Control Objects In Games
20. Dwi Sulistyó Widya Habsari, Wakhid Ahmad Jauhari and Cucuk Nur Rosyidi. Multicriteria Classification of Drug Inventory Using Fuzzy BWM, Fuzzy TOPSIS, ABC and Determination of Optimal Inventory Using Periodic Review Approach (R, s, S) (Case Study at Hospital Pharmacy Installation)
21. Adriel Nugroho, Sutrisno Ibrahim, Muhammad Nizam, Faisal Rahutomo, Meiyanto Sulistyó, Joko Hariyono, Subuh Pramono and Muhammad Ibrahim. Solar Power System Installation and Power Quality Analysis at Pesantren Hubbul Khoir
22. Wirarama Wedashwara, Made Sutha Yadnya, Windah Anugrah Subaidah and I Wayan Agus Arimbawa. Smart Solar Powered Thermostat using Fuzzy Rule Based Regression and Internet of Things
23. Baiq Wilda Al Aluf, Husnul Khotimah, Muhammad Ari Rifqi, Ari Hernawan and Gibran Satya Nugraha. Distributed Naive Bayes Technique For Sentiment Analysis Of Amazon Customer Reviews Distributed Naive Bayes
24. Manuel Michael Beraún-Espíritu, Ketty Marilú Moscoso-Paucarchuco, Alfredo Huamán-Cuya, Luis Antonio Visurraga-Camargo, Joaquin Machaca-Rejas and Wilfredo Fredy Paco-Huamani. Optimised Design of a Hydraulic Cylinder for Elevator Construction: A Balance Between Cost and Efficiency



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25. Muhammad Dzaky Ashidqi, Adha Imam Cahyadi and Ahmad Ataka Awalurrizki. SoC Estimation of Lithium Battery Using Hybrid Data-Driven and Equivalent Circuit Model
26. Trio Kusuma. The Development of Tourism Models based on Tourist Participation to Increase Safety and Enjoyable Factors in Tourist Destinations
27. Wiryajati I Ketut, I Nyoman Wahyu Satiawan, Ida Bagus Fery Citarsa, I Made Budi Suksmadana and Supriono Supriono. Analysis of Common Mode Voltage on Dual fed Induction Motor with New Modulation Technique
28. Muhammad Nizam, Feri Adriyanto, Rizal Mujaddid Irsyad and Mufti Reza Aulia Putra. Compensator Design for Voltage Dip Mitigation and Power Factor Correction on Microgrid with Internet of Things (IoT) Based Monitoring
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30. Agus Ramelan, Royyan Nurbiksa Jaka Pratama, Joko Slamet Saputro, Muhammad Nizam, Warindi Warindi and Chico Hermanu Brillianto Apribowo. Analysis of Energy Use and Energy Saving Potential : A Case Study of a Manufacturing Company in Indonesia
31. Sahirul Alim Tri Bawono, Abdul Aziz, Nanang Maulana Yoeseph, Rudi Hartono, Agus Purbayu, Masbahah and Yusuf Fadlila Rachman. Gateway Smart Environment Monitoring
32. Ibnu Qoyim Al Hafidzh, Sutrisno Ibrahim and Meiyanto Eko Sulisty. Design of Education Game as a Media For Studying Ancient Human History in Indonesia
33. Estefani Vilcahuaman-Carhuamaca, Paola Grace Sanabria-Blancas, Luis Cristhian Vasquez-Topalaya and Christian Javier Bejarano Perez. Production Process Improvement in the Textile Industry: Using Lean Manufacturing Tools to Increase Efficiency and Quality
34. Riski Rama Kusuma, Miftahul Anwar and Feri Adriyanto. The Arc Current Effect on Structure and Resistance of Nano Particles
35. Putri Sausan Kis Hanifah, Irwan Iftadi and Rahmaniya Dwi Astuti. Proposed Improvement Of Digilib XYZ Website Based On User Experience Analysis
36. Feri Adriyanto, Mohd Zainizan Sahdan and Yusuf Athallah Adriyansyah. Fuzzy C Means Algorithm for Predicting Student Graduation Timeliness in the Department of Electrical Engineering of Sebelas Maret University
37. Faiq Izzul Islami, Joko Hariyono and Feri Adriyanto. Audit and Monitoring on Electrical Energy Consumption at Soedarsono Hospital, Pasuruan City
38. Gusti Irwanda and Agus Mansur. Risk Mitigation Strategy of Blood Procurement in Blood Supply Chain Using the Hazard Identification Risk Assessment & Determining Control (HIRADC)
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40. Anas Hibatullah Djoko Susilo, Aulia Rahmat Tsani Wibisono, Azalia Ananta Firdaus, Bintang Ramadhan, Muhammad Faiz Adzkia, D Warindi and Miftahul Anwar. Prototype of



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IoT-Based Monitoring System of a Small-Scale Solar Power Plant in the Refugia Gardens of Magetan Regency

41. Catya Afif Kasudya, Sutrisno Ibrahim, Faisal Rahutomo, Meiyanto Eko Sulistyono and Joko Hariyono. 60 WATT PEAK SOLAR POWER PLANT FOR HYDROPONIC AGRICULTURE IN SUPPORT OF SMART FARMING 4.0
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45. Tulus Martua Sihombing, Susy Sumartini, Retno Wulan Damayanti and Lobes Sudirman. Logistic Packaging and Its Impact on Company's Logistic System: A Systematic Literature Review
46. Syaifullah Filard Latifan, Joko Slamet Saputro, Miftahul Anwar, Feri Adriyanto and Agus Ramelan. A Retrofitting Design for Enhance Performance of Autonomous Electric Vehicle Prototype
47. H Hartatik, R Rizal Isnanto and Budi Warsito. Predicting Tourist Sentiment Analysis: Leveraging the Power of TF-IDF- Feature Extraction (TFIDF-FE) Models for Effective Tourism Promotion
48. Royana Afwani, M Yusril Raihan, Nadiyah Agitha, Sri Endang Anjarwani, Budi Irmawati and Moh Ali Albar. Microservices Implementation for Information System of Nuraksa Forest Park
49. Ahmad Hanif Shalahuddin, Miftahul Anwar and Feri Adriyanto. Design And Construction of Current And Voltage Monitoring System For Plasma Arc Discharge In Water As Nano Particle Fabrication
50. Hari Maghfiroh, Meiyanto Eko Sulistyono, Alfian Ma'Arif, Nia Maharani Raharja, Iswanto Suwarno and Muhammad Ahmad Baballe. Induction Motor Speed Control with PID Tuned by Particle Swarm Optimization
51. Winarno W, Achmad Arief Rahmana Susatyoadi and Bambang Harjito. Intelligent System for Cyberbullying Detection on Twitter Using Naïve Bayes Classifier and Logistic Regression Classification
52. Inayati Inayati, Mufti Reza Aulia Putra and Muhammad Nizam. Performance Evaluation of A Parallel Air-Cooled Battery Pack
53. Sujita Darmo, Achmad Zainuri, Sinarep Sinarep and Nasmi Herlina Sari. DEVELOPMENT OF MATERIAL POLYESTER COMPOSITES REINFORCED HYBRID FIBER OF



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55. Anna Mayyah Soraya, Miftahul Anwar and Faisal Rahutomo. Enhancing the Readability of Academic Data for Machine Learning through Preprocessing Techniques
56. Joko Slamet Saputro, D. Warindi, Miftahul Anwar and Agus Ramelan. Design of Automatic Transfer Switch System for Powerwall
57. Arda Surya Editya, Tohari Ahmad and Hudan Studiawan. Large Language and Vision Models to Assist Drone Forensic Analysis
58. José Gregory Huanca-Alvino, Shamir Efrain Salomon-Pazce, Max Anderson Inga-Gómez and Manuel Michael Beraun-Espiritu. Automation and Improvement of the Artisan Yoghurt Packaging Process: A Simulation-Based Approach
59. Brolim Yazzar Quispe-Palpa, José Daniel Siccha-Franco, Fredy Miguel Capcha-Ospina and Manuel Michael Beraun-Espiritu. Design and Mechanical Simulation of a Solar Photovoltaic Fish Storage Cold Storage Chamber Using VDI 2221 Methodology
60. Manuel Michael Beraun-Espiritu, Ketty Marilú Moscoso-Paucarchuco, Luis Antonio Visurraga-Camargo, Wilfredo Fredy Paco-Huamani, Shalin Carhuallanqui-Avila and Joaquin Machaca-Rejas. Impact of Electromagnetic Stimulation on the Sustainable Germination of Raphanus sativus Seed: A Multidisciplinary Approach
61. Manuel Michael Beraun-Espiritu, Ketty Marilú Moscoso-Paucarchuco, Luis Antonio Visurraga-Camargo, Wilfredo Fredy Huamán-Cuya, Edson Hilmer Julca-Marcelo and Joaquin Machaca-Rejas. Automated Hydroponic Irrigation System: Innovation and Efficiency in Lettuce Cultivation
62. Cesar Javier Girón-Martinez, Cristian Luis López-Torres, Wilder Villalva-Huari and Manuel Michael Beraun-Espiritu. Design of a PLC-controlled sheet metal folding machine
63. Safira Maharani Redhyndaputri, Retno Wulan Damayanti and Renny Rochani. Adoption of Electrical Tools from an Emotional Consumer Perspective: A Literature Study
64. Hasna Wahidaturrasyidah Anshori, Retno Wulan Damayanti and Eko Pujiyanto. Literature Review Technoware and Humanware Readiness for Electrical Technology Adoption: Initiating Study for Induction Stove Adoption in Indonesia
65. Bernadeta Wuri Harini, Rusdi Sambada, Vincentius Hosea Pniel Muda and Andreas Prasetyadi. Dryness Level Measurement of Coconut Shell Charcoal Briquettes using Plate-shaped Electrodes
66. Shivendra Singh, Ram Vaishnav and Pooja Goswami. Evaluating Area Coverage Efficiency in Swarm Robotics: A Comparative Study of Different Approaches
67. Pooja Goswami and Ram Vaishnav. A Comprehensive Review on LiDAR Based 3D Deep learning Object Detection Algorithms
68. Hafid Hafid, Muhammad Tauviqirrahman, Rusnaldy Rusnaldy, Rudi Anggoro Samodro, Teguh Muttaqie, Adindra Vickar Ega, Gigin Ginanjar, Yonan Prihhapso, Dinar Nurcahyono



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- and Bernadus Herdi Sirenden. Improvement of Uncertainty Evaluation on Impact Testing Machine by Implementation of Computer Vision
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 70. Joko Hariyono, Sakda Thongchai, Pringgo Widyo Laksono, Fiqi Haiqal, Joko Slamet Saputro, Wahyono Wahyono and Andhy Setiyo Nugroho. LICENSE PLATE RECOGNITION USING YOLOv8 AND CNN
 71. Muhammad N Faris, Reyhan A Faried, Welbert P Victory, Sarwo Sarwo and Sarwo Sarwo. Simulating of Geofencing Technology Using Flutter Framework for Employee Attendance System in SMEs
 72. Yusuf F Mubarak, Sarwo Sarwo and Sarwo Sarwo. Design of Weighbridge Plant Application for Operational Efficiency at PT. Pelindo Energi Logistik Surabaya
 73. Rizki D Mu'Taz, Sarwo Sarwo and Sarwo Sarwo. Implementation of L2 Inter Autonomous System Service with Seamless MPLS on Nokia 7750 SR Metro Ethernet Device
 74. Thoyyibah T. Recurrent Neural Network From Multimodal Spectrogram and Embedding of Indonesian Music Mood Audio
 75. Ayar Fauzan Romzie and Gunawan Wang. Enhancing Financial Institution X's ATM Operations through Service-Oriented Modeling Architecture (SOMA): A Case Study
 76. Meiyanto Eko Sulisty, Didik Djoko Susilo, Muhammad Nizam and Ubaidillah Ubaidillah. A Literature Review: Bearing Fault in BLDC Motor Based on Vibration and Thermal Signals
 77. Beatrice Arviani, Wahyu Sardjono and Astari Retnowardhani. DETERMINING KEY SUCCES FACTOR ON STRATEGY IMPLEMENTATION OF SUPPLY CHAIN MANAGEMENT APPLICATIONS USING THE FACTOR ANALYSIS METHOD
 78. Wisnu Adi Saputro, Ditdit Nugeraha Utama, Haryono Soeparno and Widodo Budiharto, Initial Study on Tourism Promotion Productivity through Collaborative Digital Promotion Using Multi-Application Enterprise Service Bus Software
 79. Viko Herdiva Saksono and Gunawan Wang Evaluation of IT Governance Using the COBIT 5 Framework (Case Study: Gelora Bung Karno Complex Management Center)
 80. Antonius Eko Indriarto and Wahyu Sardjono Exploring Key Drivers of Employee Comprehension in Utilizing the Knowledge Management Portal at State-owned Construction Firm
 81. Tuga Mauritsius, Edward Adi, Aldridge Yodie and Freddy Mazmura Enhancing Credit Distribution through Machine Learning: A Classification Approach for Customer Eligibility in XYZ Bank
 82. Teguh Raharjo Enhancing the Success of Information Technology Agile Projects through Principle-Based and Performance Domains of Project Management Body of Knowledge (PMBOK) Using Analytic Hierarchy Process (AHP) Model
 83. Vanya Louisa and Tanty Oktavia Regtech Adoption Model Based on Risk Factors (Case Study Banking in Indonesia)