

2024 IEEE International Symposium on Consumer Technology (ISCT 2024)

**Kuta, Bali, Indonesia
13-16 August 2024**



**IEEE Catalog Number: CFP24461-POD
ISBN: 979-8-3503-6520-7**

**Copyright © 2024 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP24461-POD
ISBN (Print-On-Demand):	979-8-3503-6520-7
ISBN (Online):	979-8-3503-6519-1
ISSN:	0747-668X

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

TABLE OF CONTENTS

Hyperparameter Optimization of MobileNet Architecture on Balinese Mask Classification.....	1
<i>I Gede Andika, Ayu Manik Dirgayusari, I Nyoman Arnawan, Made Dona Wahyu Aristana, Dewa Putu Yudhi Ardiana</i>	
Implementation of Augmented Reality on Traditional Sikut Satak Architecture in Balinese Traditional Houses Based on Android.....	7
<i>I Nyoman Anom Fajaraditya Setiawan, I Made Subrata Sandhiyasa, I Nyoman Jayanegara, I Wayan Adi Putra Yasa, I Nyoman Yoga Trisemarawima, Gede Darma Setiawan</i>	
Optimizing Latin to Balinese Script Transliteration: Hybrid Jaro Winkler and Damerau Levenshtein Methods.....	12
<i>I Putu Agus Eka Darma Udayana, I Gede Tresna Agustina Putra, I Putu Satriya Udyana, I Gede Surya Cipta Nugraha, Ni Putu Widantari, Bagus Kusuma Wijaya</i>	
Balinese Temple: The Image and Characteristics of Tourists Based on Sentiment Analysis.....	19
<i>Ni Wayan Sumartini Saraswati, I Dewa Made Krishna Muku, I Wayan Dharma Suryawan, Dewa Ayu Kadek Pramita, I Kadek Agus Bisena</i>	
Ontology-Driven Semantic Models for Balinese Lontar Manuscript Knowledge Representation.....	25
<i>Ida Bagus Gede Sarasvananda, Aniek Suryanti Kusuma, I Made Dwi Putra Asana, Ketut Sepdyana Kartini, I Putu Eka Giri Gunawan, I Dewa Gede Aristana</i>	
Balinese Dance Attributes Utilizing Augmented Reality with Marker Based Tracking Method.....	30
<i>Anak Agung Gede Bagus Ariana, I Komang Arya Ganda Wiguna, I Putu Yoga Indrawan, Agus Ari Iswara, I Putu Hendika Permana, Ni Luh Komang Ratna Indraswari D.</i>	
Augmented Reality in Cultural Education: Introducing Balinese Gamelan to Young Learners.....	35
<i>I Gusti Ayu Agung Mas Aristamy, Kadek Yogi Susana, Komang Redy Winatha, Putu Risanti Iswardani, Gusti Ayu Shinta Dwi Astari</i>	
Integrating System Dynamics and Random Forest Algorithm for Sales Forecasting.....	42
<i>Natalia Magdalena Rafu Mamulak, Erma Suryani, Jerry Dwi Trijoyo Purnomo</i>	
DRAKE's as a Smart Solution for Surveying, Mapping, and Modeling Based on Artificial Intelligence to Determine the Feasibility of the Land	49
<i>Agus Wiyono, Muhammad Syariffuddien Zuhrie, Lynda Refnitasari</i>	
The Design of Aurel's with Artificial Intelligence Learning Based on Deep Learning for Autism Pervasive Development Disorder Children	55
<i>Muhammad Syariffuddien Zuhrie, Lilik Anifah, Puput Wanarti Rusimamto</i>	
Low-Complexity Neural Networks for Electrical Load Forecasting in Renewable Energy Communities	61
<i>Lorenzo Becchi, Marco Bindi, Matteo Intravaia, Lorenzo Sabino, Cristian Camilo Garzon Alfonso, Francesco Grasso, Francesco Riganti Fulginei, Fabio Crescimbin</i>	
A Hybrid LSTM-CNN Model for Short-Term Photovoltaic Power Forecasting in Italy	67
<i>Rafiq Asghar, Francesco Riganti Fulginei, Michele Quercio, Lorenzo Sabino, Fabio Crescimbin, Mohammad Abusara</i>	
Supervised Machine Learning Methods for Moringa Dry Leaf Image Recognition	74
<i>Putu Sugiartawan, Nobuo Funabiki, Amma Lievarastranta Haz, Ni Wayan Wardani</i>	

Improving Biometric Accuracy Using Ear Canal Images: Removing Overexposed and Underexposed Images Through a Lightweight Algorithm	81
<i>Hironori Uchida, Jo Kawabata, Takeshi Hamasaki, Yujie Li, Yoshihisa Nakatoh</i>	
Deepfake Face Images: Explainable Detection Using Deep Neural Networks and Class Activation Mapping	86
<i>Bambang Sugiantoro</i>	
Cloud-Connected Human-Drone Interface for Intuitive Navigation	91
<i>Atharva Pandhare, Ravi Raghavan, Shreyas Ramachandran, Aryan Patil, Vijay Chandhar, Maria Striki, Sasan Haghani</i>	
Text and Speech Adjustable Bimodal Emotion Recognition in Conversational Interface	96
<i>Komang Rinarta, Lun-Wei Ku</i>	
Enhancing Musical Immersion: A Multimodal Framework Integrating GSR Signals with Visual Art Generation	102
<i>Shao-Ying Lin, Chien-Wen Cheng</i>	
Impact of Inter-Screen Distance on Visual Clarity in Fixed-Optical System HMD Device	107
<i>Won-Been Jeong, Seung-Woo Lee</i>	
Development Framework for Web-Based Multi-Location 360VR Videos Supporting VR Goggles	112
<i>Tinghao Xu, Wei Shi, Kosuke Kaneko, Yoshihiro Okada</i>	
Self-Learning Model for Node.js-Based Backend Web Programming Featuring Automatic Source Code Verification	119
<i>Yan Watequlis Syaifudin, Triana Fatmawati, Pramana Yoga Saputra, Nobuo Funabiki, Omar Abdul-Raof T. G. Al-Maktary, Indrazno Siradjuddin</i>	
Correlation Study: Emotion Recognition and Verbal Skills in Children with Autism Spectrum Disorder	126
<i>Ahsan Romadlon Junaidi, Muchamad Irvan, Dimas Arif Dewantoro, Rizqi Fajar Pradipta, Umi Safiul Ummah, Muhammad Nurrohman Jauhari</i>	
Developing a Personalized English Pronunciation Test and Practice App with Automatic Speech Recognition for Engineering Students	131
<i>Aliv Faizal M, Teguh Arifianto, Imam Dui Agusalm, Elizabeth Anggraeni Amalo, Irwan Sumarsono, Eny Kusumawati, Radina Anggun Nurisma, Dias Agatha, Aris Bahari Rizky</i>	
Crafting AI-Driven Open Educational Resources (OER) Videos for Enhanced German Language Learning	137
<i>M Kharis</i>	
Validation of an Academic Resilience Scale for Indonesian University Students	142
<i>Hetti Rahmawati, Fonny Dameaty Hutagalung, Mardianto, Titik Harsiati, Joan Hesti Gita Purwasih</i>	
The Impact of RBV on the Sustainability of Fnb SMEs in Malang: The Roles of SCMP and Tax Compliance	148
<i>Rani Destia Wahyuningsih, Inayati Nuraini Dwiputri, Nimas Candhyta Maharani</i>	
Improving the Quality of Admission Standards of Students with Motor Physical Barriers in Inclusion Schools Through Digital-Based Identification and Assessment	155
<i>Rizqi Fajar Pradipta, Dimas Arif Dewantoro, Ediyanto, Muhammad Nurrohman Jauhari, Muchamad Irvan, Toni Yudha Pratama, Yuni Tanjung Utami</i>	

Optimizing AI-Based Sign Language Technology by Overcoming the Limitations of Two-Way Communication for Deaf People Through Community Participation	162
<i>Ediyanto Ediyanto, Lukman Hakim, Murtiasih Murtiasih, Tata Gading Jatiningiwi, Hary Suswanto, Heru Wahyu Herwanto</i>	
Enhancing Programming Learning Environment with Augmented Reality Smart Glasses: A Blended Learning Approach for IoT	169
<i>Shu-Yu Hsu, Kai-Yi Chin, Huai-Ling Chang</i>	
Bibliometric Analysis of Education and Tourism: Scholarly Trends and Insights.....	174
<i>Aryo De Wibowo Muhammad Sidik, Ujang Rukman, Marina Artiyasa, Ayi Abdurahman, Hesri Mintawati, Dana Budiman, Tasqia Alzahra</i>	
Abnormality Detection Method from Heartbeat Sound by Machine Learning	180
<i>Shimomoto Itsuki, Uchida Hironori, Yoshihisa Nakatoh, Yujie Li</i>	
Balinese Script Handwriting Recognition Using Convolutional Neural Network	185
<i>I Gede Totok Suryawan, Anak Agung Ngurah Mertha Jaya, Ida Bagus Ary Indra Iswara, I Putu Mahesa Kama Artha, I Kadek Nurcahyo Putra</i>	
Exploring AI Applications in Digital Art Creation of Hanoman Balinese Dance Animation.....	191
<i>I Made Marthana Yusa, I Gede Adi Sudi Anggara, Ngakan Putu Darma Yasa, Dwi Novitasari, I Nyoman Widhi Adnyana</i>	
Optimization of Convolutional Neural Networks with Hyperparameter to Identification Indonesian Traditional Puppet	198
<i>Putu Sugiartawan, Putu Wirayudi Aditama, Welda, A. Y. Willdahlia, Ni Nengah Dita Ardiani, Ni Wayan Wardani</i>	
A Study of Video Games in Handgrip Exergame System for Hypertension Protection	203
<i>Irin Tri Anggraini, Yanqi Xiao, Nobuo Funabiki, Cheng-Liang Shih, Jun-You Liu, Chih-Peng Fan</i>	
A Proposal of Concurrent Exercise Monitoring System Using Multiple Wearable Heart Rate Sensors	208
<i>Pradini Puspitaningayu, Eko Sakti Pramukantoro</i>	
Estimating Anxiety Intensity of Dementia Patients Using Phrases, Facial Expressions, and Behaviors.....	213
<i>Narumi Shigekiyo, Masaaki Yamauchi, Hiroshi Tsuji, Hideyuki Shimonishi, Masayuki Murata, Miwa Sugita, Michihiro Kita</i>	
RGBD Depth Sensor Frame Data Streaming to Handheld Device Using WebRTC-Based Framework.....	220
<i>Muhammad Anwar Ahmad, Norhaida Mohd Suaib, Ajune Wanis Ismail, Mohammad Khairul Shaleh Md Asari</i>	
Empowering Skill-Based Learning with Augmented Reality and Virtual Reality: A Case Study	225
<i>Mohammad Khairul Shaleh Md Asari, Norhaida Mohd Suaib, Mohd Haffis Abd Razak, Muhammad Anwar Ahmad, Nurhidayah Mk Shaleh</i>	
Wood Species Classification Based on Wood Porosity Distribution of Macroscopic Image	230
<i>Bambang Sugiarto, Norhaida Mohd Suaib, Mohd Shafry Mohd Rahim, Esa Prakasa, Nor Anita Fairis Ismail, Ikmal Faiq Albakri Mustafa Albakri</i>	

Augmented Reality-Based Navigation: Bridging Indoor and Outdoor Environments Through Immersal Integration	236
<i>Zacky Maulana Achmad, Sritrusta Sukaridhoto, Muhammad Agus Zainuddin, Aurent Savila, Ardian Firmansyah, Septa Mega Saputra</i>	
Gestational Diabetes Prediction Using Machine Learning for Consumer Electronics Healthcare	243
<i>Sahil Garg, Sudhakar Kumar, Sunil K. Singh, Surjeet Kumar, Varsha Arya, Kwok Tai Chui, Brij B. Gupta</i>	
White Matter Lesions Segmentation of FLAIR MRI Based on U-Net Using Cascade Filtering	250
<i>Dedy Hidayat Kusuma, I Ketut Eddy Purnama, Eko Mulyanto, Heni Fatmawati</i>	
Blood Vessel Segmentation on MRA (Magnetic Resonance Angiography) Using U-Net.....	256
<i>Dwi Harini Sulisty, Dzaky Hanif Arjuna, I Ketut Eddy Purnama, Mauridhi Hery Purnomo</i>	
Interactive Learning Through Virtual Reality Operating Training Simulations for Industry Operators	262
<i>Kirana Hanifati, Zacky Maulana Achmad, Cahyo Arissabarno, Muhammad Ali Fikri, Adzhani Razandistiawan, Farhan Muhammad</i>	
Comparative Study of Traditional Machine Learning and Quantum Computing in Natural Language Processing: A Case Study on Sentiment Analysis.....	269
<i>Li Yang, Thatsanee Charoenporn, Virach Sornlertlamvanich</i>	
A Work-Suitability Score Calculation System for a Sustainable Human Resource Allocation	274
<i>Yuichiro Asai, Shintaro Aoki, Shiori Sasaki, Naoki Ishibashi</i>	
A Plastic Waste Hotspot Detection System and Its Application to Measuring Environmental Improvement	280
<i>Shiori Sasaki, Ryota Nakamura, Prasetyo Wibowo</i>	
YOLOv8 Vs. YOLOv9: Evaluating Object Detection Algorithms for Marine Waste Recognition.....	286
<i>Achmad Zahir Wajdi, Prasetyo Wibowo, Shiori Sasaki</i>	
Exploring Energy Harvesting: A Study on Triboelectric Nanogenerators Based on Vertical Contact-Separation Mode.....	293
<i>Ili Farhana Mohamad Ali Nasri, Izzah Insyirah Mohd Rasis, Wan Nursheila Wan Jusoh, Nuraliza Norawzi, Ridwan Yahaya, Shaiful Bahri Zainal Abidin</i>	
A PID Control Algorithm for Path Tracking of a Nonholonomic Car-Like Robot.....	305
<i>Indrazno Siradjuddin, Dimas Adi Prayoga, Sapto Wibowo, Yan Watequlis Syaifudin, Rendi Pambudi Wicaksono, Mas Nurul Achmadiyah</i>	
Mobile Crowd Sensing with Secure Coin Rewarding in Human Activity Recognition for Elderly People System	318
<i>Erita Cicilia Febrianti, Amang Sudarsono, Tri Budi Santoso</i>	
Secure & Traceable Companies File Management System Using Blockchain and IPFS.....	325
<i>Cahyo Arissabarno, Sritrusta Sukaridhoto, Idris Winarno</i>	
ERP Platform for Supply Chain Operational System Using LoRa and Blockchain Technology	332
<i>Muhammad Agus Zainuddin, Sritrusta Sukaridhoto, Oktafian Sultan Hakim, Wahyu Nur Hidayat, Agus Prayudi</i>	

Digital Twin System for Smart Buildings Integrated with Blockchain and Mixed Reality Technology	339
<i>Wahyu Nur Hidayat, Oktafian Sultan Hakim, Sritrusta Sukaridhoto, Muhammad Agus Zainuddin, Agus Prayudi, Cahyo Arissabarno, Zacky Maulana Achmad, Rizqi Putri Nourma Budiarti</i>	
Fronthaul Design and Analysis with Radio Over Fiber and Wavelength Division Multiplexing	346
<i>Hanna Putri Shabira, Yus Natali, Catur Apriono</i>	
Evaluations of Distinct Bitonic Sorters for ORBGRAND	352
<i>Szu-Hao Huang, Cheng-Hung Dixson Lin</i>	
Design of Wideband Helical Antenna for Wireless Communications Systems	357
<i>Amin Rodhi Alawy, Erfan Rohadi, Azam Muzakhim Imammuddin</i>	
Simulation of Frequency Selective Surface (FSS) Filter Performance for GPS Anti-Jamming	361
<i>N. A Alfian, N. L. Mohd Kamal, Z. Sahwee, S. Ahmad Shah, N. Norhashim</i>	
Optimizing Optical Character Recognition Accuracy in Livestock Weighting Systems Through Distributed Intelligent Computer Vision.....	367
<i>M. Rosyad Ahsanul Wafa, Muhaimin Toh-Arlim, Sritrusta Sukaridhoto, Rizqi Putri Nourma Budiarti, Agus Prayudi</i>	
Zeek Intrusion Detection on Raspberry Pi for IoT-Based Agriculture Monitoring Systems: Preliminary Investigation	372
<i>Samsul Huda, Muhammad Bisri Musthafa, Yasuyuki Nogami</i>	
Private Blockchain-Based Platform for Cool Box Truck Based on LoRa Communication Protocol	378
<i>Agus Prayudi, Oktafian Sultan Hakim, Muhammad Agus Zainuddin, Sritrusta Sukaridhoto, Rizqi Putri Nourma Budiarti</i>	
Enhanced Human Activity Recognition Framework for Wearable Devices Based on Explainable AI	385
<i>Chengzhi Liu, Thinagaran Perumal, Jing Cheng, Yumeng Xie</i>	
Comparative Study of Graph Neural Networks for Device Classification in Social IoT	392
<i>Ibnu F. Kurniawan, Ulfa Siti Nuraini, Pradini Puspitaningayu</i>	
SecureGuard: An IoT-Based Home Security Solution for High-Burglary Areas.....	397
<i>Boris Gunderov, Liam Herkes, William Walker, Vishal A Thakor, Mohammad Abdur Razzaque</i>	
Harnessing GAN to Create Realistic FBS(False Base Station) Attack Data in 5G	404
<i>Yeongshin Park, I Wayan Adi Juliawan Pawana, Bonam Kim, Ilsun You</i>	
Analyzing the Impact of Bit-Flip Attacks on Extreme Learning Machine for Age-Related Macular Degeneration Detection on OCT Volumes	409
<i>Cheng-Hsi Yang, Li-Zhe Liu, Cheng-Hung Lin, Cheng-Kai Lu, Tzu-Lun Huang, Jia-Kang Wang</i>	
PipeBeGood – an AIoT-Based Smart Water Quality Monitoring System	414
<i>Mohammad A Razzaque, Leo Bracken, Sean Field, Arran Bollands</i>	
Designing Token-Based Crowdfunding System on Private Blockchain Network for Indonesian Cooperative Investment Accountability	421
<i>Salies Apriliyanto, Yan Watequlis Syaifudin, Indrazno Siradjuddin</i>	
Study of Reducing Sound Discomfort by Dynamic Range Compression Process	427
<i>Fukai Kota, Uchida Hironori, Yoshihisa Nakatoh, Yujie Li</i>	

Quick Construction Methods of Digital Twins for Outdoor and Indoor Applications.....	432
<i>Jeongyoon Lee, Wonjin Sung</i>	
Early Warning Forecasting of Large Induction Motor in the Oil and Gas Industry from Deep Learning	436
<i>Joko Supriyono, Imam Mukhlash, Mohammad Iqbal, Dhimas Anton Asfani</i>	
Determining the Ideal Location for New Branches in Multifinance Companies Using Google Maps API with Clustering Method	443
<i>Aldi Ilham Firdaus, Achmad Choiruddin</i>	
Nickel Price Prediction Using Bi-Directional LSTM (Bi-LSTM) and Attention Bi-Directional LSTM Network (At-Bi-LSTM).....	450
<i>Andrew Reinhard Marulak Togatorop, Mohammad Isa Irawan</i>	
Forecasting Pipelines Operating Pressure: A Proactive Approach to Prevent Oil Congealing Using ARIMA, FFNN, and Hybrid Models.....	457
<i>Adi Nugroho, Achmad Choiruddin</i>	
Candidate Selection of Water Shut-Off in Oil and Gas Industry Using Random Forest	464
<i>Aditya Pramada Wicaksono, Achmad Choiruddin</i>	
Digital Transformation Printing Service Using Design Thinking	471
<i>Shintawati Octaviani, Nur Aini Rakhmawati</i>	
Emotional Recognition of Netizens Voice Message on Social Media by Using Deep Learning Neural Network Method.....	478
<i>Tri Budi Santoso, Arinsis Setyorini, Izza Nur Afifah, Rahardita Widyantara S, Titon Dutono</i>	
Implementation of Predistortion Technique on OFDM System for LOS and NLOS Environments Using USRP - LabView.....	483
<i>M Wisnu Gunawan, I Gede Puja Astawa, Amang Sudarsono</i>	
Implementation of Twinguard: Motorcycle Theft Prevention Innovation System with Access Code and Shortest Route Recommendation.....	490
<i>Muhammad Nur Hafid Air Langga, Mike Yuliana</i>	
Autonomous Drive-Through System Using EasyOCR and Dobot.....	497
<i>Pinphong Ruangraweenukit, Pipat Khambun, Thanakrit Nupim, Ponlawat Chophuk, Athita Onuean, Apisit Saengsai</i>	
Real-Time Monitoring Using AWS Cloud Platform for Agriculture Soil.....	510
<i>Danar Ikram Tirtakusuma, Sritrusta Sukaridhoto, Rizqi Putri Nourma Budiarti, Dwi Mulyo, Fitratama Alfarezi, Bima Briliandhika Aminputra, Oktafian Sultan Hakim</i>	
Wireless Edge Controller for Robot Education Using MQTT on Dobot Magician Lite	517
<i>Agus Prayudi, Muhammad Fauzan Arief, Muhammad Agus Zainuddin, Sritrusta Sukaridhoto, Hestiasari Rante</i>	
Securing Smartphone from Mobile Phishing Attacks Using GoogLeNet Model	522
<i>Brij B. Gupta, Akshat Gaurav, Kwok Tai Chui</i>	
Business Strategy Analysis of EPC to Improve Corporate Performance: Case on State-Owned Construction Company.....	528
<i>Syauqy Ribhan, Budisantoso Wirjodirdjo</i>	

Analyzing Affordance of Business Process Management Techniques in Enterprise Resource Planning Implementation.....	535
<i>Berlyan Permata Sukma, Mahendrawathi Er</i>	
The Influence of Leadership and Institutions on the Success of Open-Source ERP Implementation	541
<i>Nungky Amalia Imran, Mahendrawathi Er</i>	
Risk Management Practices Using the House of Risk for Safety, Health, etc.(HORshe) Method: A Case Study on Wastewater Treatment in the Pharmaceutical Industry	547
<i>Aswin Pasaribu, Adithya Sudiarno</i>	
Designing a Web-Based Babysitting Service Business in Jakarta Using Design Thinking Approach	554
<i>Adhi Prima Arkham Putranda, Nur Aini Rakhmawati</i>	
Analysis of Nursing Records Using Text Vectorization Techniques	561
<i>Takahiro Kubo, Virach Sornlertlamvanich, Thatsanee Charoenporn</i>	
Comparative Study for Holographic Display of Fabric Materials	566
<i>Fazliaty Edora Fadzli, Nur Ameerah Abdul Halim, Ajune Wanis Ismail, Mohamad Yahya Fekri Aladin, Shafina Abd Karim Ishigaki</i>	
Review of Transfer Learning Techniques for MRI-Based Brain Tumor Image Segmentation.....	573
<i>Risnandar, Aldi Ilyas, Rini Khamimatul Ula, Aryo De Wibowo Muhammad Sidik</i>	
Machine Learning Method for Microplastic Identification Using a Combination of Machine Learning and Raman Spectroscopy	585
<i>R. K. Ula, Nafisah Nur Laila, Risnandar, Aryo De Wibowo Muhammad Sidik, Anggy Pradiftha Junfithrana, Tasqia Alzahra</i>	
Forecasting Quezon City's Rooftop Solar Energy Potential Using Ensemble Regression with AdaBoost.....	590
<i>Erico C. Sales, Jovanie Ivan A. Padilla, Sean Daniel M. Lu, Engr. Orland D. Tubola</i>	
Wind Energy Potential of High-Rise Buildings in Makati Using Digital Twins	597
<i>Jane Nicole Ballinan, Sean Daniel Lu, Jovener Pajalla, Early Jun Tagsip, Orland Tubola</i>	
Innovative Approaches to Impact Analysis of Requirement Changes Using LLM in Software Projects	604
<i>Denny Sagita Rusdianto, Hadziq Fabroyir, Umi Laili Yuhana</i>	
Navigating Consumer Skepticism: Conceptual Model of Distrust Detection and Recognition Technology Adoption Among Online Shop Owners in Indonesia	611
<i>Muhamad Rachmat Gunawan, Febriliyan Samopa, Ahmad Mukhlason</i>	
Bagging System Performance Analysis Using Artificial Neural Network, Random Forest Regression, Linear Regression, and Support Vector Regression	618
<i>Ari Primantara, Udisubakti Ciptomulyono, Berlian Al Kindhi</i>	
Secure and Scalable LLM-Based Recommendation Systems: An MLOps and Security by Design	623
<i>Adi Saputra, Erma Suryani, Nur Aini Rakhmawati</i>	
Brand Love Enhancement of Micro, Small, and Medium Enterprises in Indonesia: A Systematic Literature Review	630
<i>Christina Christina, I Ketut Gunarta, Bambang Syairudin</i>	
A Conceptual Framework of Halal Traceability System in Indonesia Cosmetics Supply Chain.....	636
<i>Micky Prathama, Imam Baihaqi, Nur Aini Rakhmawati</i>	

Purchasing Intention of Tour Package Brands in Access to Digital Technology and User Generated Content on Bali Travel Tour	642
<i>Ngr. Putu Raka Novandra Asta, Erma Suryani, Raden Venantius Hari Ginardi</i>	
A State-Of-The-Art Review of Cyber Threat Intelligence Awareness Programs in Mitigating Bank Cyber Attacks	648
<i>Robby Anzil Firdaus, Nur Aini Rakhmawati, Febriliyan Samopa</i>	
Supplier Relationship Management (SRM) Performance Assessment Analysis Using the Best-Worst (BW) and Analytic Network Process (ANP) Methods	655
<i>Rahmat Aminuddin Raditia, Iwan Vanany</i>	
Sustainable Technology Innovations: Optimizing Inverter Selection for Solar PV and Wind Turbine Systems Using Fuzzy MCDM	662
<i>Bobby Prayogo, Ruri Agung Wahyuono</i>	
Building Composite Performance Index for Broadband Internet Customer Experience	669
<i>Nurdianto, Moses Laksono Singgih, I Ketut Gunarta</i>	
Optimal Operation Model of Near-Zero-Energy Service Buildings and Residential Consumers Considering Peer-To-Peer Power Transactions	676
<i>Sérgio F. Santos, Eduardo J. G. Ribeiro, Gerardo J. Osório, João P. S. Catalão</i>	
Priority Business Factors for Green Attributes of Power Supply in Indonesia	682
<i>Prahara Lukito Effendi, Budisantoso Wirjodirdjo, Sitta Izza Rosdaniah</i>	
Productivity Improvement Through Energy Efficiency Training in Manufacturing Industry	688
<i>Herdimas, Mokh Suef, A. A. B Dinariyana</i>	
The Conceptual Framework of National and Global Values on Food Security	695
<i>Indri, Surya Rosa Putra, I Nyoman Pujawan</i>	
Analysis and Control of Ammunition Transportation Risk Management at Explosive Storage Depots and Consumer (User Units) in the Indonesian Navy	701
<i>Nunik Endah Sulistiyawati, Bambang Syairudin, Buana Ma'Ruf</i>	
Organizational Transformation for Business Sustainability and Growth in Public Service Corporations	706
<i>Rini Widiastuti, Ahmad Rusdiansyah, Retno Widyaningrum</i>	
Transformation to Enhance Business Resilience in Construction Companies: Systematic Literature Review of Dimensional Models *	713
<i>Vina Medya Oktaviani, Wahyu Wibowo, Fitri Ismiyanti</i>	
Developing Maturity Matrix: Measuring Banking Sector Readiness in Digital Corporate Governance	720
<i>Laksana Budiwiyo Lie, Febriliyan Samopa, R. V. Hari Ginardi</i>	
Strategic Management for Enhancing Water Quality in the Barito River Basin Through Cost Optimization Using Linear Programming	727
<i>Eddy Susanto, Eddy Setiadi Soedjono, Harmin Sulistiyaning Titah</i>	
On the Spatial Point Pattern on Customer Affect Retail Fuel Stations Businesses	733
<i>Nadiya Firma Zulfana, Nur Iriawan, Christiono Utomo</i>	
Assessing the Relationship Between Regional Economic Advancement and Digital Activity	737
<i>Sindhu Lucky, Erma Suryani, Jerry Dwi T Purnomo</i>	

Recovery Improvement at the West Block Screening Station of Nickel Mining Through the Integration of Six Sigma and Sologic Method.....	744
<i>Ronny Luhansa, Mokhamad Suef, Ratna Sari Dewi</i>	
The Implementation of ISO 37301:2021 on Compliance Management System (CMS) to Improve Product Quality for Customer Satisfaction.....	751
<i>Rochmad Agung Widodo, Mokh Suef, Achmad Affandi</i>	
Strategies for Advancing Hub Ports to Boost International Container Ship Trade in Indonesia	758
<i>Gunawan, Haryo Dwito Armono, Farida Rachmawati</i>	
Digital Transformation and Industry 4.0 in Indonesian Shipyards (Case Study at PT PAL Indonesia).....	765
<i>Mujizat Alam, Tri Widjaja</i>	
Film Industry Multi-Level Competitiveness: A Comparative Literature Review of Porter's Strategic Frameworks	771
<i>Andi Surja Boediman, Nyoman Pujawan, Imam Baihaqi</i>	
Reverse Cycle Strategy for Circular Innovation in Sugar Mills	778
<i>Ahmad Fatih Fudhla, Budisantoso Wirjodirdjo, Moses Laksono Singgih</i>	
The Diffusion Process of Sustainability Practices in SMEs: A Conceptual Framework	785
<i>Daniella Cynthia Sampepajung, Aurik Gustomo, Eko Agus Prasetyo</i>	
Digital Technology in Upcycling Craft Industry: A Systematic Review	792
<i>Faza Wahmuda, Ellya Zulaikha, Hadziq Fabroyir</i>	
A Systematic Literature Review on Blockchain-Based Cybersecurity Models for Ransomware Mitigation	799
<i>Ade Ilham Fajri, Mohammad Isa Irawan, Faizal Mahananto</i>	
Navigating the Digital Transformation Landscape in Indonesia: A Qualitative Sectoral Analysis.....	805
<i>Tining Haryanti, Nur Aini Rakhmawati, Apol Pribadi Subriadi</i>	

Author Index