

2025 International Conference on Advanced Technologies in Energy and Informatic (ICATEI 2025)

**Jakarta, Indonesia
22 October 2025**

IEEE Catalog Number: CFP253AF-POD
ISBN: 979-8-3315-8684-3



Copyright © 2025, IEEE

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:	CFP253AF-POD
ISBN (Print-On-Demand):	979-8-3315-8684-3
ISBN (Online):	979-8-3315-8683-6

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

TABLE OF CONTENTS

Analysis of RON90 Fuel Fulfillment in Balikpapan City Using Dynamic System Method	1
<i>Puspita Sari, Christopher Davito Prabandewa Hertadi, Mochamad Sulaiman, A. M. Adhitya A. Walenna Zaenal Muttaqien</i>	
An AIoT Architecture for Localized Weather Prediction Using CNN-LSTM and LoRaWAN to Support Fertilization Scheduling in Agriculture	7
<i>Raynor Herfian Iqbal Fawwaz, Vipkas Al Hadid Firdaus, Vivi Nur Wijayaningrum, Noprianto Mamluatul Hani'ah</i>	
Aspect-Based Multi-Label Sentiment Analysis and Star Rating Mismatch Identification in Google Maps Reviews of Office Buildings	13
<i>Muhammad J. Gorter, Zain Maulana Azmi, Ratih Nur Esti Anggraini</i>	
Topic Modeling on Teachers' Use of Online Loans Using Latent Dirichlet Allocation	19
<i>Hafidh Ichwansyah Yahya, Muhammad Nur Rizal, Teguh Bharata Adji</i>	
Design and Monitoring of Electric Bicycle Motor Energy Source Usage and Lifespan Prediction Based on Android Display	25
<i>Azam Muzakhim Imammuddin, Septriandi Wirayoga, Syamsul Hadi, Sulistyono, Isac Ilham Akbar Habibi Miftakhul Huda</i>	
Supervised Learning-Based Risk Classification of VHIFs Using Waveform Behavior and Spatial Mapping	31
<i>Sophia Mae Gascon, Rovick P. Tarife</i>	
An Enhanced CNN with Grey Wolf Optimizer for Skin Cancer Detection	37
<i>Shafira Ezza Ervina, Guruh Fajar Shidik, Purwanto</i>	
The Impact of Custom Layer in CNN with GlobalAveragePooling2D and Dropout for Tomato Leaf Disease Classification	43
<i>Prayoga, Guruh Fajar Shidik, Purwanto</i>	
Crack Detection in Photovoltaic Modules Using Convolutional Neural Network Optimized with Komodo Mlipir Algorithm	49
<i>Agusman, Syafaruddin, Intan Sari Areni</i>	
Bottleneck Cross-Attention Enhanced U-Net for High-Precision Segmentation of Small and Occluded Road Potholes	55
<i>A. Ichsan Mudatsir Lukman</i>	
SCADA System Analysis for Load Control Using Decision Tree C4.5 Method at Public Facility	61
<i>Yudi Andika, Cahya Karisma Akbar, Dimas Pristovani Riananda, Wibowo Arninputranto Aulia Rahma Annisa, Mirza Ardiana</i>	
Factors Influencing the Continuance Intention to Use Water Transportation Applications	67
<i>Reyhan Elby Telanda, Rafi Pradipa Satryana, Devyano Luhukay</i>	
Lightweight Swin-Transformer and DistilGPT-2 for Image-to-LaTeX in Constrained Environments	73
<i>Ni Nyoman Wulandari, Syukron Abu Ishaq Alfarozi, Igi Ardiyanto</i>	

CIMOTE: A Novel Method for Optimized IoT-Based Motorcycles Counting with Random Forest and Ultrasonic Sensors	79
<i>Devana Setyawati, Hilal Hudan Nuha, Ikke Dian Oktaviani, Aji Gautama Putrada, Nadya Widdy Astuti</i>	
Improved Alzheimer's Disease Classification from MRI Scans Using Deep Learning	85
<i>Wildan Arif Maulana, Zainul Abidin, Rahmadwati</i>	
Serverless Data Lake Architecture Using BigQuery and Cloud Functions	91
<i>Deepak Kole, Pavan Nutalapati, Bindu Mohan Harve, Vinay Soni, Isan Sahoo, Rakesh Keshava Girish Ashok Gajwani</i>	
Analysis of The Influence of Battery System Preference on Electric Motorcycles on Consumer Intention Model Using Multigroup PLS-SEM	97
<i>Talia Rahmanina Az Zahra, Silvi Istiqomah, Rizqa Amelia Zunaidi</i>	
Enhancing Vehicle Seat Belt Usage Detection in Low-Light Conditions Using YOLOv11 and EnlightenGAN	103
<i>Erika Devi Udayanti, Pulung Nurtantio Andono, Abdul Syukur, Moch. Arief Soeleman</i>	
Deep Learning for Drylands: Intelligent Sensing to Transform Agriculture in Arid Regions	109
<i>Abdul Haris, Iriansyah Bm Sangadji, Hengki Sikumbang, Dinola, Rahma Farah Ningrum Salsabila Tsabilatul Qolbi</i>	
Enhancing E-Learning Content Security with AES 256-CBC Encryption and Storage on Interplanetary File System in Ethereum Network	114
<i>Rini Hardiyanti, Amil Ahmad Ilham, Ady Wahyudi Paundu</i>	
Optimization of Ensemble Deep Learning Models for Freshwater Fish Disease Classification Using Particle Swarm Optimization	120
<i>Mochammad Rafli Samsul Maarif, Guruh Fajar Shidik, Purwanto</i>	
Optimization Convolutional Neural Networks using Particle Swarm Optimization for Malaria Disease Cell Classification	126
<i>Izza Anisa, Purwanto, Guruh Fajar Shidik, Catur Supriyanto</i>	
Single Cell PEMFC Modelling and Validations using Computational Fluid Dynamics Simulations	132
<i>Jovan Ramadhan Rasendriya, Reynolds Widhiyanurrochmansyach, Eka Firmansyah, Jayan Sentanuhady</i>	
Sentiment Classification of Gofood Reviews with IndoBERT: A Case Study of Food Ordering Apps in Indonesia	138
<i>Bisri, Rezki Yunanda</i>	
Optimal Allocation of Distributed Generation Units in Radial Distribution Systems Using SelfRegulating Particle Swarm Optimization Algorithm	143
<i>Suad Ibrahim Shahl</i>	
Hypertension Prediction Using Machine Learning Algorithms	149
<i>Alhasan Nabeh Fadhil, Sadik Kamel Gharghan, Hayfaa Abdulzahra Atee</i>	
Drug Abuse Detection Systems Based on Machine Learning Using Data Fusion of Biomedical Sensor Network: A Comparative Study	154
<i>Marwa Adel Abdul Reda, Sadik Kamel Gharghan, Mohammed Saeed Mohammed</i>	
An Evaluation of Classification Models for Palmprint Biometric Detection	160
<i>Georgia Sugisandhea, Teny Handhayani</i>	

Securing Cloud Networks Against Data Exfiltration Using Random Forest Techniques	166
<i>Nancy Saroj, Sunil K. Singh, Sudhakar Kumar, Siya Rajak, Sumit Bawa, Varsha Arya, Kwok Tai Chui Brij B. Gupta</i>	
Cyberattack Detection Through Power Consumption Analysis Using Long Short-Term Memory (LSTM) Neural Network	172
<i>Ahmad Firdaus Ahmad Radhuan, Lucyantie Mazalan, Yusnani Mohd Yussoff, Nur Nabila Mohamed</i>	
Hybrid Robust Watermarking System Leveraging Polar Harmonic Transform and Convolutional Code	178
<i>Fabian Rashed Majduddin, Gelar Budiman, Linda Meylani</i>	
Ensemble Deep Learning for Transportation Service Optimization: Boosting Traffic Detection Accuracy with YOLO and RCNN	184
<i>Muhammad Banin Basit, Daniel Haposan, Muhammad Kemal Amin, Muhammad Edo Syahputra</i>	
Performance Comparison Of One-Stage And Two-Stage Deep learning Models For Mangrove Detection from Aerial Imagery	190
<i>Ahyar Maulana, Aulia Rahman, Elizar Elizar, Yunida Yunida, Maya Fitria, Irma Dewiyaniti Rahmad Dawood</i>	
Salt Supply Chain Modelling: A Dynamic System Approach to Salt Price Prediction	196
<i>Titus Kristanto, Ahmad Saikhu, Bilqis Amaliah</i>	
Machine Learning Models for Optimizing Industrial Defect Prediction: Enhancing Accuracy and Computational Efficiency	202
<i>Said AlMaqbali, Asma Marhoubi, Oualid Ali</i>	
Model Identification of the IGBT Current and Its State Observer for Control Purpose	208
<i>Feriyonika, Arief Syaichu Rohman, Mervin Tangguar Hutabarat, Tri Desmana Rachmildha</i>	
Evaluation of Lightning Protection System on High Voltage Overhead Transmission Line 150 kV	214
<i>Andi Junaidi, Denny Setiawan, A. Agus Yogiarto, Sugeng Purwanto, Agus Sudianto</i>	
Techno-Economic Feasibility Study of Hybrid FSO/RF Transmission for Rural Internet Connectivity: A Case Study of Dalisodo Village, Malang	218
<i>Khanaya Vennesa Salsabilah, Erna Sri Sugesti, Budi Prasetya</i>	
Impact of PV Penetration on Medium Voltage Line Protection in Commercial Areas	224
<i>Muhammad Hanafi Riskiawan, Roni Irnawan, Mokhammad Isaeni Bambang Setyonegoro</i>	
Residual Current Calculation Method for Meter in Advance Meter Infrastructure	230
<i>Daffa Putra Setiawan, Hakim Habibi Hidayatullah Usman, Guntur Supriyadi, Buyung Sofiarto Munir</i>	
Factors Driving Electric Vehicle Adoption Intention in Indonesia: An Extended UTAUT2 Approach	235
<i>Teuku Muhammad Ali Al Farishi, Devren, Dony Saputra</i>	
The Application of Multi Criteria Decision Making System for Optimal Site Selection of Solar Power Plants in West Java Province	241
<i>Luthfihana Ossadi, Iwa Garniwa, Pranda Mulya Putra Garniwa, Iqbal Putut Ash Shidiq</i>	
An Optimized SVD-Based Spread Spectrum Audio Watermarking Scheme for Enhanced Robustness and Imperceptibility	247
<i>Nur Said, Gelar Budiman, Sofia Sa'Idah</i>	

Controller Deadlocks in AMSs with Various Resource Utilization Maximally Permissive	253
<i>Mowafak Hassan Abdul-Hussin</i>	
Design and Optimization Performance of FMSs Modeled with S ⁴ PR Petri Nets	259
<i>Mowafak Hassan Abdul-Hussin</i>	
An Optimal Approach for Deadlocks in FMSs Modeled with S ₄ PR Petri Nets	265
<i>Mowafak Hassan Abdul-Hussin</i>	
Evaluation of DDoS Attack Detection in IoT Systems using Machine Learning Techniques	271
<i>Putu Handayani, Helena Widiarti, Syafrudi</i>	
Sentiment Analysis of the Childfree Phenomenon on Social Media Platforms X and Instagram Using the Support Vector Machine Algorithm	277
<i>Widiyanti Intan Permata Sari, Sri Hidayati, Arip Ramadan</i>	
Singular Vector Decomposition In Reconstructing Data Electricity Consumption with Clustering Analysis	283
<i>Dine Tiara Kusuma, Gusti Ayu Aulia Anandha Jyothi, Yozika Arvio, Iriansyah Bm Sangadji</i>	
EfficientNetV2B0 Hyperparameter Optimization with Metaheuristic Algorithm on Lung Cancer Detection from Lung CT Scan	289
<i>Kaisar Kertarajasa, Untari Novia Wisesty, Mahmud Dwi Sulistiyo</i>	
Implementation of Data Augmentation and ResNext-Based Transfer Learning for Dental Caries Detection	295
<i>M. Rif'Athufail Daffa, Isman Kurniawan</i>	
Exploring AI-Enhanced User Experience Monetization: A Multi-Task Learning Approach for Streaming Service Tiered Pricing Optimization	301
<i>Sabar Aritonang Rajagukguk</i>	
Bitcoin Price Forecasting Using Long Short-Term Memory Model with Parameter Optimization	307
<i>Karina Djunaidi, M Yoga Distra Sudirman, Andi Raden Arafah, Rahma Farah Ningrum</i>	
Comparative Analysis A CNN-LSTM Deep Learning Model for Assessment and Remedial Placement of School Students	313
<i>Mohd Hizami Bin Ab Halim, Suriani Mohd Sam, Norliza Mohamed</i>	
A Contextual and Sequential Hybrid Model for Twitter Sentiment Analysis Using BERT-LSTM	319
<i>Wang Wenting, Suriani Mohd Sam, Norliza Mohamed, Mohd Hizami Bin Ab Halim</i>	
Intelligent Energy Management for Sustainable Microgrids: A Machine Learning Approach to Renewable Energy Integration	325
<i>Dhami Johar Damiri, Ibnu Hajar, Samsurizal</i>	
Dual-Objective Deep CNN for Simultaneous Disease and Nutrient Deficiency Diagnosis in Rice: A Comparative Study of Transfer Learning Models	331
<i>Riki Ruli A. Siregar, Kudang Boro Seminar, Sri Wahjuni, Edi Santosa</i>	
A-Star-Based Path Optimization for Cash Distribution in Multi-Location ATM Systems	337
<i>Indrianto, Karina Djunaidi, Meilia Nur Indah Susanti, Abdurasyid, J M Leo Poldo</i>	

Analysis of Indonesian Public Sentiment Towards Government Free Meal Program Using Artificial Intelligence	343
<i>Dwi Kurniawan Aliputra, Ervan Fernando Wijaya, Yosua Samuelpin, Yulia Ery Kurniawati</i>	
Data-Driven Classification and Spatial Clustering of Stunting Cases in Rural Indonesia	349
<i>Abdurasyid, Herman Bedi Agtriadi, Rima Rizqi Wijayanti, Aisyah Ragillia, Mochamad Farid Rifai</i>	
Sentinel-5P Atmospheric Air Pollutants Forecasting Using Temporal Fusion Transformer	355
<i>Hana Najiyya, Suryo Adhi Wibowo, Runik Machfiroh</i>	
Implementation of Two-Layer Feature Selection and Optuna Framework for Predicting Cyberattacks in Internet of Things Networks	361
<i>Samsudiat, Cahyono Nugroho, Raden Muhammad Taufik Yuniantoro, Andri Saputra, Shidiq Al Hakim Al Hafiz Akbar Maulana Siagian</i>	
Integrated environmental modeling and engineering for Merauke palm oil sector renewable energy, waste management, and biodiversity preservation	367
<i>Azhar Firdaus, Tyas Ismi Trialfhianty, Deni Muhammad Nur Satrio</i>	
Modernizing Document Digitization: A CNN-Based Approach with Sliding Window Detection	373
<i>Firmansyah Apryadhi, Abdurasyid, Widi Pramudiya, Budianto Turisno, Rahmat Nurullah Rima Rizqi Wijayanti</i>	
Comparative Study of Prediction Methods for Estimating Missing Data in Advanced Metering Infrastructure System in Indonesia	379
<i>Valya Syifa Vannisa, Joko Hartono, Guntur Supriyadi, Buyung Sofiarto Munir</i>	
Enhancing Sign Language Recognition Using Convolutional Neural Networks (CNN) for Improved Accuracy in Indonesian Sign Language	384
<i>Felix Stevanus, Hanzel Octavian Lesmana, Ivan Sebastian Edbert, Alvina Aulia</i>	
Assessing Downstream Greenhouse Gas Emissions from Palm Oil Refining through ISPO-Based Approach	390
<i>Arief Suardi Nur Chairat, Taufik Hidayat, Utami Wahyuningsih, Victor Assani Desiawan, Lili Rasyidi</i>	
Enhanced Detection PPE Employment using YOLO	395
<i>Satrio Yudho, Adinda Shafira Sholihin, Darma Rusjdi</i>	
Sentiment Analysis of User Reviews on a Plastic Waste Recycling Application	400
<i>Evellyn Vondra Yap, M. Rafa Abyananda, Vallery Efyliant, Mediana Aryuni</i>	
Bridging Accessibility Gaps: A Mobile Color Detection App with Real-Time Voice Support for Colour Vision Deficiency	406
<i>Andreas Hasiholan Sinaga, Meta Kallista, Rifqi Muhammad Fikri, Rizki Ramadhan, M. Hafizh Reyhan M. Rakan Bagus</i>	
Microplastic Detection in Glass Containers Using Circular Hough Transform and YOLOv8n	412
<i>Manan Jindal, Sayak Ghorai, Yash Upadhyay, Vikas Upadhyaya</i>	
Experimental Analysis of Demineralized Water Quality on the Enhancement of Hydrogen Gas Production Using PEM Electrolysis Technology	418
<i>Wigas Digwijaya, Widya Nita Suliyanti, Kurniawan</i>	

Forecasting Hydrogen Generation from Biomass Gasification Through a Semi-Empirical Model Utilizing the Thermodynamic Equilibrium Approach	424
<i>Prayudi Suparmin, Roswati Nurhasanah, Lia Nur Octavia, Rachmad Ardianto</i>	
Automated Waste Detection and Sorting Using Computer Vision Techniques for Smart Waste Management	430
<i>Aaron Kenny Rijadi, Jonathan Aditya Sanusi, Paulus Theodore Kumala, Mochammad Haldi Widiyanto</i>	
Constrained K-Medoids Clustering for Determining Unmanned Substation Partition	436
<i>Rifqi Fazrian Muttaqin, Hakim Habibi Hidayatullah Usman, Guntur Supriyadi, Buyung Sofiarto Munir</i>	
RT-DETR-Palm A Transformer Based Approach for Oil Palm Tree Detection Using UAV Imagery	441
<i>Kamarul Hawari Ghazali, Slamet Riyadi, Annisa Divayu Andriyani, Razali Muda, Adyanata Lubis Suqing Yan</i>	
Drone-Based Thermographic Inspection for Preventive Maintenance of High Voltage Substations: A Case Study in Indonesia's IKN Supporting Grid	447
<i>Chandra Lima Silalahi, David Silalahi</i>	
Utilizing the Bounding Method Through FFT and SVM for Classification of Electric Power System	452
<i>Yusri Ambabunga, Indar Chaerah Gunadin, Yusri Syam Akil, Zaenab Muslimin</i>	
Hybrid Fuzzy Density-Based Clustering and SARIMANARNet Model for Accurate Solar Irradiance Forecasting in Solar Energy Systems	458
<i>Sugeng Purwanto, Ibnu Hajar, Bayu Aji, Syamsir Abduh</i>	
Food Nutrition Recognition Using Robotic Arm with Integrated Camera and Mobile Application	464
<i>Achmad Farizul Islam, Muchamad Wahyu Prasetyo, Aripriharta, Titi Mutiara Kiranawati, Mazarina Devi Satia Nur Maharani, Gwo-Jiun Horng</i>	
Real-Time IoT-Driven Flora Monitoring System for Disaster Mitigation in The Brantas Watershed	470
<i>Zenramdhanu Wahyudistyo Sunarta, Muhammad Cahyo Bagaskoro, Aripriharta, Siti Zubaidah Mokh Sholihul Hadi, Nandang Mufti, Gwo-Jiun Horng</i>	
Multi-Variable Genetic Algorithm Optimization of Algal Bioethanol Production: A Dual-Strain Simulation Approach	476
<i>Samsurizal, Yulisia Zuriatni, Muhammad Zulham Kentjie, Rudina Okvasari, Septianissa Azzahra Iwa Garniwa Mulyana K</i>	
Comparison of Linear Regression and Long Short-Term Memory in Predicting the Electricity Demand of PLN in Jambi City	482
<i>Herman Bedi Agtriadi, Abdurrazyid, Lidya Meltiana, Dine Tiara Kusuma, Rima Rizqi Wijayanti</i>	
Coordination of SVC and SWC Control Systems to Enhancing Power Grid Stability During Disturbances Caused by Electric Arc Furnace	487
<i>Marwan Rosyadi, Syamsir Abduh, Radpandji Edy Widjaja, Ignatius Rendroyoko, Ibnu Hajar Bayu Aji Soedibyo</i>	
Analysis of the Impact of High Distributed Generation Penetration on the 20 kV Radial Distribution System in Tigabinanga	493
<i>Rahmadsyah Pulungan, Sarjiya, Yusuf Susilo Wijoyo</i>	
Lightweight AI Model for Smart Parking: Vehicle Classification with YOLOv8-Tiny Optimized by OpenVINO	499
<i>Darma Rusjdi, Agus Mulyanto, Atikah Rifdah Ansyari, Ocha Nia Martcya Situmorang</i>	

Detection of islanding condition in ongrid solar power plant with Wavelet Neural Network method based on Multi-Layer Preceptron (MLP)	505
<i>Ahmad Caputra Wisesa, Syamsir Abduh, Marwan Rosyadi</i>	
Detection Model of Quran Recitation Mispronunciation Based on Mel-Frequency Cepstral Coefficient (MFCC) and Deep Learning	510
<i>Rosida Nur Aziza, Arifina Resyanti, Efy Yosrita, Rahma Farah Ningrum</i>	
The Effect of Mass Fraction on the Thermal Cycle Efficiency of the PGE Kamojang IV Geothermal Power Plant Before and After Overhaul	516
<i>Prayudi Suparmin, Patricia Gloria Gani, Nofirman Firdaus</i>	
Comparative Evaluation of YOLOv8 and YOLOv12 for Leptocorisa Oratorius Detection in Pest Agriculture	522
<i>Agus Mulyanto, Hasna Satya Dini, Atikah Rifdah Ansyari, Ocha Nia Martcya Situmorang</i>	
Fuzzy Tsukamoto-Based Data Mining for Urban Wastewater Quality Assessment	528
<i>Rahma Farah Ningrum, Abdul Haris, Dara Nabilah Awanis, Karina Djunaidi, Riki Ruli A. Siregar</i>	
Hybrid Framework for E-Waste Classification using YOLO11 and Large Language Model Validation	534
<i>Axel David, Aldo Nitehe Lase, Farhan Rizki Fauzi, Meta Kallista, Rifqi Muhammad Fikri</i>	
Electoral Integrity through Technology: A Recurrent Neural Network Analysis of Public Response	540
<i>Yozika Arvio, Jakfar Ahmad, Rahmad Evan Purnawan, Dine Tiara Kusuma</i>	
Generation of Synthetic Data of Barley Grass Growth using Generative Adversarial Network	546
<i>Ferry Wahyu Wibowo, Akhmad Dahlan, Muhammad Kopravi, Wihayati</i>	
Polynomial Regression-Based Modeling and Optimization of Output Voltage in Moist Electric Generators under Varying Humidity Conditions	552
<i>Septianissa Azzahra, Rudina Okvasari, Iwa Garniwa, Samsurizal, M. Zulham Kentjie, Yulisyia Zuriatni</i>	
Implementation of Glowworm Swarm Optimization-XGBoost Algorithm to Predict Cathepsin K Inhibitors Bioactivity for Bone Diseases Treatment	557
<i>Rashad Izza Andredi, Isman Kurniawan</i>	
Adaptive Load Shedding for Tambora Grid Using Differential Evolution Algorithm	563
<i>I Putu Rastaman Putra, Sarjiya, Yusuf Susilo Wijoyo</i>	
Evaluating the Challenge of RE Integration in Small Power Grid by Optimizing Unit Commitment	569
<i>I Putu Rastaman Putra, Sarjiya, Yusuf Susilo Wijoyo, Edo Adrianto, Yuana Putra Adiarto, Faris Fitrianto</i>	
Overpressure Effect on Type L IV 36L Tank as a Fuel Cell Electric Vehicle (FCEVs) Using HyRam+	574
<i>Achmad Nurfanani, Handrea Bernando Tambunan, Wigas Digwijaya, Budi Setiyana Muchammad Muchammad, Dhami Johar Damiri</i>	
Learning to Rank Architectures for Selecting Telecommunication Technologies to Enhance the Reading Success Rate in Advanced Metering Infrastructure	580
<i>M Yoga Distr Sudirman, Norharyati Harum, Nurul Akmar Emran, Muhammad Amar Mahdin Dine Tiara Kusuma</i>	
A Preliminary study for estimating Solar Energy in Tropics Using A Semi-empirical model	585
<i>Indra Ardhanayudha Aditya, Pranda M. P. Garniwa, Intan Pamungkas</i>	

A Domain-Specific Framework for Sentiment Analysis and Named Entity Recognition of PLN Mobile User Complaints	591
<i>Yessy Asri, Dwina Kuswardani, Widya Nita Suliyanti, Nur Anisah Fadhillah</i>	
Assessment and Optimization of Rooftop Photovoltaic Potential: A Case Study of Subsidized Type-36 Residential Buildings in Indonesia	597
<i>Andi Makkulau, Ansar Suyuti, Amil Ahmad Ilham, Sri Mawar Said</i>	