

2021 3rd International Conference on Cybernetics and Intelligent System (ICORIS 2021)

**Virtual Conference
25 October 2021**



**IEEE Catalog Number: CFP21BWC-POD
ISBN: 978-1-6654-2581-0**

**Copyright © 2021 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:	CFP21BWC-POD
ISBN (Print-On-Demand):	978-1-6654-2581-0
ISBN (Online):	978-1-6654-2580-3

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 CONTENT

	PREFACE	v
	COMMITTEES	vi - xviii
	TABLE OF CONTENT	xix - xxvi
1	Understanding Customer Behaviour from GreaterJakarta Area in Purchase Intention on Fashion E-Commerce Sevenpri Candra and Raka Widya Prawara	1 - 6
2	Analysis of Classification and Calculation of Vehicle Type at APILL Intersection Using YOLO Method and Kalman Filter Deny Nugroho Triwibowo, Ema Utami, Suwanto Raharjo and Sukoco Sukoco	7 - 12
3	Bidirectional LSTM for Building Intrusion Detection System Model Omar Muhammad Altoumi Alsyabani, Ema Utami and Anggit Dwi Hartanto	13 - 18
4	Detection of Difference in 2 Dimensional Animation Shot Using Structural Similarity Index and Otsu Thresholding Halim Bayuaji Sumarna, Ema Utami and Anggit Dwi Hartanto	19 - 25
5	Automatic Mango Leaf and Trunk Detection as Supporting Tool of Mango Pest Identifier (MPI) Kusrini Kusrini, Suputa Suputa, Arief Setyanto, I Made Artha Agastya, Sofyan Pariyasto, Wahyu Wijaya Widiyanto, Fadlurahman Fadlurahman and Herlambang Priantoro	26 - 32
6	Physical Distancing System Using Computer Vision Lili Kartikawati, Isnan Nabawi, Vita Rahayu, Kusrini Kusrini, Dhani Ariatmanto and Ferda Ernawan	33 - 39
7	Comparison Of Clustering Algorithm In Employee Training Management Recommendations Ni Luh Ratniasih and Ricky Aurelius Nurtanto Diaz	40 - 43
8	ASD Detector: Android-based App Innovation to Detect Autism Spectrum Disorder on Children using CHAT Analysis and Certainty Factor Surati Ningsih, Siti Alvi Sholikhatin and Imam Tahyudin	44 - 50
9	Decision Support Systems in Teacher Performance Appraisal to Determine Teaching Quality Using the Profile Matching Method Fitri Pranita Nasution	51 - 55
10	Factors of the Decrease in Student's Interest in Learning During the Covid-19 Pandemic Using the C4.5 Method Fitriana Harahap, Evri Ekadiansyah, Erwin Ginting, Nidia Enjelita Saragih, Robiatul Adawiyah and Ermayanti Astuti	56 - 61
11	Prediction Model for the Tenant's Potential Failure from Business Incubation Process during COVID-19 Period Using Supervised Learning I Gede Bintang Arya Budaya, Gede Indra Raditya Martha, Dedy Panji Agustino, I Made Pasek Pradnyana Wijaya and I Gede Harsemadi	62 - 66
12	Learning Media Design Based On Augmented Reality Introduction To Rare Plants Andrian Syahputra	67 - 70
13	A Prototype IoT based Technology for Body Temperature Monitoring I Komang Agus Ady Aryanto, Igkg Puritan Wijaya Adh, I Nyoman Rudy Hendrawan and Kadek Yota Ernanda Aryanto	71 - 76
14	Project Management Application Using Data Warehouse Ali Gunawan	77 - 81

15	Building e-loyalty toward online shop in Indonesia through e-trust amid pandemic COVID-19 Wanda Wandoko and Enda Panggati	82 - 87
16	The Role of Online Learning in Mediating Grit and IT Skills' Influences on Student Academic Achievement Gat Gat, Kusrini Kusrini, Sandy Kosasi and Kartika Sulastri	88 - 94
17	The application of the estimation method for the placement of workers in DKI Jakarta uses Multiple Linear Regression Nita Syahputri	95 - 99
18	Blockchain Technology Model to Protect Higher Education E-Certificates with Open Source system Inayatulloh Inayatulloh	100 - 103
19	The Effectiveness of Electronic WOM in Electronic Commerce and Social Media Inayatulloh Inayatulloh, Enggal Sriwardiningsih, Sastya Hendri, Dewi Febriani, Prasetya Cahya and Sugeng Riyanto	104 - 109
20	Garage Geographic Information System Using Haversine Method Based On Android I Putu Gede Abdi Sudiarmika and Komang Hari Santhi Dewi	110 - 116
21	Sentiment Analysis Of Practice Service's Questionnaire Using Naïve Bayes Classifier Method Selly Yunita, Yusni Amaliah, Suprianto Suprianto, Aida Indriani, Muhammad Fadlan and Muhammad	117 - 122
22	Overview of Business Innovation and Research Probability on Blockchain and Introduction to its Exclusive Version Primasatria Edastama, Untung Rahardja, Po Abas Sunarya, Ninda Lutfiani and Sella Avionita	123 - 129
23	Students Formative Assessment Framework (Faus) Using the Blockchain Riya Widayanti, Untung Rahardja, Fitra Putri Oganda, Marviola Hardini and Viola Tashya Devana	130 - 135
24	Approaching The Anonymous Deployment Of Blockchain-Based Fair Advertising On Vehicle Networks Suryari Purnama, Untung Rahardja, Qurotul Aini, Alfiah Khoirunisa and Restu Ajeng Toyibah	136 - 141
25	Prioritizing Regional Development Programmes : A New Hybrid Decision Making Approach Kurnia Yahya and Titik Khawa Binti Abdul Rahman	142 - 146
26	Determinants of Intention to use Mobile Payment: an Empirical Study of MSMEs in Indonesia by the Millennial Actors Digniti Prihatini, Shinta Amalina Hazrati Havidz, Hernawati W. Retno Wiratih, Ikramina Larasati Hazrati Havidz and M. Havidz Aima	147 - 150
27	The Influence of Knowledge Management Systems Implementation On Team Performance Through Knowledge Sharing of Information Literacy On News Agency Wahyu Sardjono, Erna Selviyanti, Aninda Rahmasari and Maryani	151 - 155
28	Implementation of Augmented Reality and Wireless Navigation Robot for Room Decoration Layout Settings Lies Hartono	156 - 161
29	Interactive Data Visualization: Open Data of Pandemic Disease Ni Ketut Dewi Ari Jayanti and Luh Made Yulyantari	162 - 166
30	Perceptions of Using Augmented Reality Features on Online Shopping Fashion Platforms Based on Technology Acceptance Model Tangkas Udiono Udiono and Maryani Maryani	167 - 171
31	The Effect of Trust, Satisfaction and Enjoyment Toward Repurchase Intention in E-commerce Dian Purbo Rini, Ezell Josephat, Yonathan Rumphius Ririmasse and Arta M. Sundjaja	172 - 177
32	Determinant Factors of Intention to Buy Virtual Items on Online Games	

	Yakob Utama Chandra	178 - 183
33	Understanding Customers In Using Electronic Wallet Through Trust And Technology Acceptance Model (TAM) Scherly Hansopaheluwakan, Irzanita Wathan, Arfendo Propheto and Ahmad Said	184 - 190
34	Blockchain Technologies and Factor of ERP Implementation in Making Infrastucture for Society 5.0 Viriyani Dewi, Anastasia Amelia and Noerlina	191 - 195
35	Harmonic Representation for CNN-LSTM Automatic Chord Recognition Tsuyoshi Ito and Shuichi Arai	196 - 200
36	Comic Application Development to Improve Self Awareness Againts Cyberbullying in Indonesia Juliana Wienaz and Yudhistya Ayu Kusumawati	201 - 208
37	Designing an Android-Based Travel Guide Application for Malang Tourism Daud Gezha Renanda and Yudhistya Ayu Kusumawati	209 - 215
38	Rapid Automatic Keyword Extraction And Word Frequency in Scientific Article Keywords Extraction Komang Rinarta and Luh Gede Surya Kartika	216 - 219
39	Implementation of Machine Learnig Using Google's Teachable Machine Based on Android Diki Agustian, Pande Putu Gede Putra Pertama and Putu Devi Novayanti	220 - 226
40	Intelligent Feeder Development Plan as Fish Feed Technology for Sustainable Integration and Delivery Viany Utami Tjhin and Regina Eka Riantini	227 - 231
41	Go-Payment: Towards Cashless Payment System for Smart Village Application in Indonesia H Hartatik, Nurul Firdaus and Abdul Aziz	232 - 237
42	The Effect of Digital Skills on Technology Acceptance of Food Delivery Mobile Application Amia Luthfia, Sari Ramadanty, Tiurida Lily Anita, Arif Zulkarnain and Abdul Rauf Ridzuan	238 - 242
43	Evaluation of News's Website with Webqual And Importance Performance Analysis Erfan Hasmin, Nurul Aini, Sitti Aisa, Nurdiansah Nurdiansah, Rizki Ramanda and Jumardi Jumardi	243 - 250
44	Expert System For Comparative Diagnosis Probability Of Lung Disease Using Nearest Neighbour Algorithm Evi Dewi Sri Mulyani, N. Nelis Febriani Sm, Nanang Suciyono, Rubi Ismanto, Restu Adi Wiyono and Shinta Siti Sundari	251 - 256
45	Combining UEQ and Eye-Tracking method as usability evaluation for mobile apps Sunardi Sunardi, Dina Fitria Murad, Irmantri Julian and Ramadhan Yunior Riva'I	257 - 262
46	Systematic Review of Statistical Method Used in ICT Ethics Studies Maslin Masrom, Muhammad Fadzrin Othman, Rasheed Mohamed Kutty, Nik Nadzirah Nik Mohamed and Noorlizawati Abdul Rahim	263 - 266
47	Three Layer Encryption Protocol: an Approach of Super Encryption Algorithm Muhammad Fadlan, Haryansyah Haryansyah and Rosmini Rosmini	267 - 271
48	Zoom Meetings vs Google Meet: Students' Experience Suci Ramadhani Arifin, M. Arifin Zaidin, Sri Wahyuningsih Piu, Rima Ruktiari, Muhammad Rizal and Arham Arifin	272 - 275
49	Performance comparison of two modified krill herd algorithms Ai Nurhayati, Harya Gusdevi, Saepudin St., Dewi Mulyasari, Angling Sugiarna and Muhammad Saidiman	276 - 281
50	Rough Set Theory Approach in Determining Social Assistance Decision	

	Nurul Aini, Suarga Suarga, Apriyadi Pratama, Almira Nisrina, Erfan Hasmin and Andi Irmayana	282	-	287
51	Emergency Call System Management Design For Vehicle Based On Mobile Application Ali Gunawan			288 - 293
52	A Systematic Comparative Study of Linear, Binary and Interpolation Search Algorithms Andi Irmayana, Hasrif Sy, Yesaya Tommy Paulus, Nurul Aini and Komang Aryasa	294	-	298
53	Telecommunication Analytics Based on Customer Segmentation Using Unsupervised Algorithms Henwy Wibowo and Kristina Pestaria Sinaga	299	-	304
54	Decision Support Systems Based on Data Mining for Marketing Campaign in Portuguese Banks Jennifer Alexandra and Kristina Pestaria Sinaga	305	-	310
55	Impact of IoT and Big Data Application to Business Performance Jonny Jonny, Kriswanto Kriswanto and Matsumura Toshio	311	-	316
56	Development Of Game-Based Learning Traffic Order For Android With The Game Development Life Cycle Method Gandhi Theofilus and Mochammad Haldi Widiyanto	317	-	322
57	The Effect of Perceived Usefulness and User Competency on Accounting Information Systems Effectiveness Meiryani Meiryani, Arfian Erma Zudana, Brilliant Alfred Lorenzo and Dedeh Maryani	323	-	329
58	The Evaluation of Students and Lecturers on E-Learning Implementation Diena Dwidienawati, Hardijanto Saroso, Dicky Syahchari and Darjat Sudrajat	330	-	335
59	Pay to Win: The Prediction of Playfulness to Generate In-Game Virtual Item Sales (A Stickiness Mediation) Hidayat, Okta Prihatma Bayu Putra, Muhril Ardiansyah and Cahya Aditya Minardi Putra	336	-	341
60	Analysis The Effect Of Perceived Ease Of Use, Perceived Of Usefulness, Perceived Risk, Trust, And Social Influence On Intention To Use Ecommerce-Based Accounting Information System (Case Study On MSMES In Dki Jakarta) Angelica Andriani and Fransisca Hanita Rusgowanto	342	-	348
61	The Determinant Factors of User Satisfaction on Ferry E-Ticket Purchase (Ferizy): Integration Of The UTAUT and IS Success Model Dennish Candra Cahya Kusuma, Muhammad Ilham Fauzi, Muhamad Riifdi and Arta Moro Sundjaja	349	-	355
62	The Application Of LSB Steganography For Secure Text and Hiding Confidential Information Using AES Cryptography Ahyuna Ahyuna, Irmawati Irmawati, Hasriani Hasriani, Ardimansyah Ardimansyah, Sady Syamsuddin and Sri Wahyuni	356	-	362
63	Increasing the Smart Home Automation by using Facebook Messenger Application Husain Husain, Herlinda Herlinda, Hasriani Hasriani, Ahyuna Ahyuna, Kasmawaru Kasmawaru and Ahmad Ahmad	363	-	368
64	Moving Average And Relative Strength Index Indicators In Determining Open And Closed Positions On The Metatrader4 Expert Advisor Ardimansyah Ardimansyah, Ahyuna Ahyuna, Asrul Syam, Salman Salman, St. Aminah Dinayanti Ghani and Muh. Syahlan Natsir	369	-	373
65	The Effect of Disturbance in UML Sequence Diagram Images on Image Plagiarism Detection Ability Using the Perceptual Hash Algorithm Khoirul Umam, Septira Kurniati and Putri Nadia Ayu Rahmawati	374	-	378
66	How Does Search Engine Optimization Affect Outcomes of Electronic Marketing Strategy? Gita Aryshandy, Yudi Fernando, Rayina Triningsih Dharmaputra and Ridho Bramulya Ikhsan	379	-	384
67	Artificial Intelligence and Electronic Marketing Outcomes: An Empirical Study			

	Rayina Triningsih Dharmaputra, Yudi Fernando, Gita Aryshandy and Ridho Bramulya Ikhsan	385	-	390
68	The Influence of Online Shopping Convenience and Sales Promotion on Behavioral Intention on Official Online Pharmacy Stores Heni Han, Regina Eka Riantini and Viany Utami Tjhin	391	-	395
69	Motor Cycle Smartkey System Jack Febrian Rusdi, Muchammad Naseer, Bambang Pudjoatmodjo, Syahidan Arrizaldy Sidik and Ihsan Nurhakim Aziz	396	-	400
70	IoT-based Covid-19 Patient Service Robot Design Jack Febrian Rusdi, Ai Nurhayati, Harya Gusdevi, Muhammad Ikhwan Fathulloh and Andre Priyono	401	-	406
71	Manifest Information System at PT ASDP Indonesia Ferry (Persero) Ketapang Branch Web-Based Solehatin Solehatin and Tri Hari Sandi	407	-	417
72	Smart Kitchen Monitoring system based on human health index Using Internet of Things and Decision Tree M. Aldiki Febriantono, Ridho Herasmara and Fairus Iqbal Maulana	413	-	418
73	Masked Face Recognition: Progress, Dataset, and Dataset Generation Yesun Utomo	419	-	422
74	Microcontroller Application in Feeding Fish Using an Android Mobile Asmah Akhriana, Indo Intan, Nurlindasari Tamsir, Nirwana Nirwana, Rezkyanti Widia Rahmi and Rahmadani Rahmadani	423	-	428
75	Gamification For Improving Students' Comprehension In Learning History Risa Simanjuntak, Dody Rakasiwi and Ignatius Tanzarez	429	-	433
76	Business Based Smart Operations And Digital Supply Chain Performance Yudi Fernando, Fineke Mergeresa, Ridho Bramulya Ikhsan, Anderes Gui, Ika Sari Wahyuni-Td and Hartiwi Prabowo	434	-	438
77	The Impact of Digital Marketing Media on the Household Business Sales during Covid-19 Pandemic Clara Herlina Karjo, Francisca Hermawan and Bertha Napitupulu	439	-	442
78	MorphNet Impacts on Neural Network Optimizers M. Aldiki Febriantono and Ridho Herasmara	443	-	447
79	Decision Support System Application with Survey 360 Degree Feedback Doni Purnama Alamsyah and Yudi Ramdhani	448	-	452
80	The Effect of e-SAMSAT Implementation on Generation Y Taxpayer Compliance in The Payment of Vehicles Maya Safira Dewi	453	-	460
81	Determinant Of E-Wallet Usage Intention : Extending The Tam Model With Self Efficacy Triasesiarta Nur and Joshua Joviando	461	-	467
82	Augmented Reality Technology ReAR Contribution to The Student Interest in High Schools Pontianak Indonesia Fairuz Iqbal Maulana, Awanis Hidayati, Ira Audia Agustina, Agung Purnomo and Vandha Pradwiyasma Widartha	468	-	471
83	Hanse Kogge Kiosk Terminal for Digital Game-Based Learning at Deutsches Schiffahrtsmuseum Andi Pramono	482	-	486
84	The Used of Technology to Improve Health Social Security Agency Services in Indonesia Mochammad Fahlevi and Nouf Sahal Alharbi	487	-	491
85	Web-based Project and Service Search "O-ser" Application Herman Setiawan, Stefanus Liauw Natan, Michael Satriaji and Yanfi	492	-	497

86	E-Finance Publication Mapping: A Bibliometric Constructing Networks during Four Decades Agung Purnomo, Triana Susanti, Anita Kartika Sari, Mega Firdaus and Nur Asitah	498	-	503
87	Descriptive and Predictive Analysis on Heart Disease with Machine Learning and Deep Learning Indrajani Sutedja	504	-	509
88	Electronic Word of Mouth and Brand Image in Social Media Instagram Context Arsiyanti Lestari and Melinda Sari Dewi	510	-	515
89	Design and Implementation of Internet of Things and Cloud Technology in Flood Risk Mitigation Michael Siek and Laurensius Larry	516	-	521
90	Visitor's Response to the Technology-Based Interactive Displays and its Placement at the Museum in East Java Tiara Ika Widia Primadani, Andi Pramono, Ira Audia Agustina and Ida Bagus Anata Wijaya	522	-	526
91	Factors That Influence Challenges and Opportunities of Cryptocurrencies in Developing Countries Josephine Samuel, Christian Kurniawan and Noerlina Noerlina	527	-	531
92	Developing Automated OCR System Using Deep LSTM Learning Network to Solve Payment Verification Issues Michael Siek and Rafi Soeharto	532	-	537
93	Semantic Segmentation Using HRNet with Deform-Conv for Feature Extraction Dependent on Object Shape Daiki Ando and Shuichi Arai	538	-	542
94	Performance comparison of evolutionary biogeography-based whale optimizations with chaotic arc adaptive grasshopper optimization algorithms Ai Nurhayati, Jack Febrian, Saepudin St., Harya Gusdevi, Nova Agustina and Widi Jaelani	543	-	548
95	Enhancing Organizational Performance through Digital Employee Engagement during COVID-19 Pandemic: Empirical Evidence from Japan Darjat Sudrajat, Levina Nathasya, Hardijanto Saroso, Robertus Tang Herman, Dicky Hida Syahchari and Diena Dwidienawati	549	-	553
96	Music Source Separation Using Deform-Conv Dense U-Net Shun Takeda and Shuichi Arai	554	-	558
97	E-CRM: Three Decades of A Bibliometric Networks Visualizing of Academic Publication Agung Purnomo, Abdul Aziz, Nur Afia, Anita Kartika Sari and Tiara Ika Widia Primadani	559	-	563
98	Factor Influence Indonesian Customer Purchase Intention Towards Cross Border Seller in Indonesia E-Commerce Platform Daniella Gabrielle Immanuel, Karina Rizka Putri, Muhammad Furqan, Rano Kartono and Arta Moro Sundjaja	564	-	571
99	Detection Children's Intelligence Using The Method Android Based Topsis Cucut Susanto, Tasmil Tasmil, Mudarsep Mudarsep and Hardi Hardi	572	-	576
100	Scrum Method in Helpdesk Ticketing and Project Management System Rizki Tri Prasetyo, Doni Purnama Alamsyah and Yudi Ramdhani	577	-	582
101	Implementation Jenkins for Automation Deployment with Scheduler and Notification Putu Adi Guna Permana and Ni Luh Gede Pivin Suwirmayanti	583	-	587
102	Roles of IT Leadership in E-Service Quality Improvement of Online Family Business Sandy Kosasi, Po Abas Sunarya, I Dewa Ayu Eka Yuliani, Diana Fitriani and Madhiyono Madhiyono	588	-	693
103	Weaning Foods Product Recommendation Using Forward Chaining Method Sitti Aisa, Irsal Irsal, Herlinda Herlinda, Erfan Hasmin, Erni Marlina, Sulfadli S and Dian Mandasari	594	-	600

104	The Evaluation of Video Meeting Types for Online Teaching-Learning I Wayan Simpen, Titik Khawa Abdul Rahman and Yesaya Tommy Paulus	601 - 605
105	Determination of the Best Employees to Improve Service Quality using the SAW Algorithm Okkita Rizan, Chandra Kirana, Hamidah Hamidah, Hengki Hengki, Harrizkie Arie Pradana and Ardi Pangestu	606 - 610
106	Business Intelligence To Support Visualization Of Indonesian Capital Market Investment Gallery Performance Hengki Hengki, Okkita Rizan, Bambang Adiwino, Supardi Supardi, Seno Hadi Saputro and Eza Budi Perkasa	611 - 614
107	Virtual Reality-Based Height Simulation With Method Multimedia Development Life Cycle Rianita Vasti Winarsim, Yusni Amaliah and Suprianto Suprianto	615 - 620
108	E-Learning Vs Google Classroom using WebQual 4.0 Modification: Quality of Learning Services During COVID-19 Pandemic Rismayani Rismayani, Y Johny W Soetikno, Novita Sambo Layuk, Madyana Patasik, Sri Wahyuni and Joe Y Mambu	621 - 627
109	Sentiment Analysis of Covid-19 Vaccine Tweets in Indonesia Using Recurrent Neural Network (RNN) Approach Green Arther Sandag, Adinda Manueke and Michael Walean	628 - 634
110	Students' Satisfaction of Learning Management System: A Study of Dipa Makassar University, Indonesia Suci Ramadhani Arifin, M. Arifin Zaidin, Rahmat Aris Pratomo, Dwi Shinta Angreni, Dwi Rohma Wulandari and Amirah	635 - 638
111	Student Achievement Classification using Power Predictive Score with Machine Learning Jimmy H Moedjahedy and Gede Pramudya	639 - 644
112	Organizational Culture Values and It's relation to Technology Readiness Indra Samsie, Titik Khawa Binti Abdul Rahman, Suarga Suarga, Abdul Ibrahim, Novita Sambo Layuk and Salmiati Salmiati	645 - 648
113	ShakeView: A Novel Approach for an Exercise-powered Entertainment Joe Yuan Mambu, Rismayani Rismayani, Michel Farrel Tomatala and Jay Idoan Sihotang	649 - 654
114	Political Influence Analysis Social Media Text Mining For Public Opinion: Case Studi Makassar City Jufri Jufri and Musdalifa Thamrin	655 - 659
115	Implementation of "New Start" Program on Android-Based Application for Healthy Lifestyle During Covid-19 Outbreak Stenly Ibrahim Adam, Giovanni Ferdinand Rogi, Victor Arthur Ambrosius Sumual and Steven Lolong	660 - 665
116	Diagnosis Of Anemia In Expert System Programming With Certainty Factor Michael Oktavianus, Joseph Tumiwa, Erni Marlina, Nurdiansyah Nurdiansyah, Salmiati Salmiati and Imelda Duma	666 - 671
117	Information System of Digital Portfolio Platform and E-Sports Tournament Events in North Sulawesi Based On Android Edson Putra, Adam Ibrahim, Daniel Geovanni Lombo and Hezekiah Rambitan	672 - 678
118	Application Of Gis Technology For Determining Sea Fish Capital Potential On Mobile Apps Reynoldus Andrias Sahulata, Bright Christo Rore and Yoga Pontoh	679 - 683
119	Design of Android-Based Motorcycle Security System Using Face Detection and GPS Tracking Marchel Tombeng, Dipta Purwadaria, I-Shyan Hwang and Andrew Liem	684 - 688
120	Prototyping Of Machine Learning For Selling Tourism Merchandise And Donating Traditional Dance Performance Michel Farrel Tomatala and Joe Yuan Mambu	689 - 694

121	Auto Clustering Source Code To Detect Plagiarism Of Student Programming Assignments in Java Programming Language Yusni Amaliah, Wilem Musu, Suprianto Suprianto and Muhammad Fadlan	695	-	698
122	Motion Recognition System Using Microsoft Kinect Sensor Sri Wahyuni, Suryani Suryani, Ahyuna Ahyuna, Indo Intan and Rismayani Rismayani	699	-	702
123	The Use of Game Puzzle Application for presenting Arithmetic Problems Komang Aryasa, James Christian Fabrianes, Ainun Mayasari Irwan, Hasrif Sy, Yesaya Tommy Paulus and Andi Irmayana	703	-	706
124	Distribution Linux for Installation Software using Remastering Technique Hasyrif Sy, Andi Irmayana, Muh. Gufran, Yesaya Tommy Paulus, Putu Andika Yasa and Komang Aryasa	707	-	710
125	Cost-Benefit Analysis of Cloud Computing in Education Using the Base Cost Estimation Model Jannice Felicia Salindeho and Jimmy H Moedjahedy	711	-	715
126	Air Quality Monitoring and Detection System in Vehicle Cabin Based on Internet of Things Jacqueline Waworundeng and Apriana Sari Adrian	716	-	721
127	Comparison of Feature Selection in The Classification Of Patients With Parkinson's Disease Sitti Harlina, Adhy Rizaldy, Usman Usman, Magfirah Magfirah, Asran Asran and Marsellus Oton Kadang	722	-	725
128	Prediction of Air Pollution Levels in Makassar City Area Sunardi Sunardi, Wilem Musu, Samsu Alam, Suryani Suryani and Imran Djafar	726	-	731