

# **3rd International Conference on Informatics, Engineering, Science, and Technology (INCITEST 2020)**

IOP Conference Series: Materials Science and Engineering  
Volume 879

Bandung, Indonesia  
11 June 2020

Part 1 of 2

ISBN: 978-1-7138-4743-4  
ISSN: 1757-8981

**Printed from e-media with permission by:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571



**Some format issues inherent in the e-media version may also appear in this print version.**

This work is licensed under a Creative Commons Attribution 3.0 International Licence.  
Licence details: <http://creativecommons.org/licenses/by/3.0/>.

No changes have been made to the content of these proceedings. There may be changes to pagination and minor adjustments for aesthetics.

Printed with permission by Curran Associates, Inc. (2022)

For permission requests, please contact the Institute of Physics  
at the address below.

Institute of Physics  
Dirac House, Temple Back  
Bristol BS1 6BE UK

Phone: 44 1 17 929 7481  
Fax: 44 1 17 920 0979

[techtracking@iop.org](mailto:techtracking@iop.org)

**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  
Email: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

# TABLE OF CONTENTS

## PART 1

Preface

List of Committees of INCITEST 2020

Peer review statement

Digital Wallet as a Transaction Media in The Community .....	1
<i>T Handayani, A Novitasari</i>	
Smart City and Its Application .....	6
<i>I Prayoga, R M Ramadhan</i>	
Smart Campus with A Learning Management System.....	10
<i>E S Soegoto, M F Rinaldy</i>	
The Influence of Information Technology on Public Transportation .....	16
<i>T Rohmawati, I Kartiwan</i>	
Android Based Livestock Sales Application Information System.....	22
<i>T Rohmawati, F Ramadhani</i>	
Artificial Intelligence and New Level of Fake News .....	28
<i>S Nazar, M R Bustam</i>	
Design of Web-based Online Sales Information System.....	34
<i>H D Yulianto, R Fauzi</i>	
Information Technology on Employee’s Daily Evaluation System Software .....	43
<i>D W Firdaus, R Lie</i>	
Web Service for Academic Information Systems.....	52
<i>A R Kurniawan, L Warlina</i>	
Design of Information System Vehicle Rental Based Web.....	59
<i>B Kurniawan, S Alviana, A M B Prasetyo</i>	
Utilization of Technology for Early Warning of Natural Disasters in Indonesia .....	65
<i>W H Pratama, I D Sumitra</i>	
Technology of Health Services in Industrial Revolution 4.0 Era .....	72
<i>V V Vauzia, I D Sumitra</i>	
The Effect of Using a Digital Wallet for Small Business .....	78
<i>S M Putri, I D Sumitra</i>	
Application Information System Smart Parking Based on Smartphone.....	84
<i>R Wahdiniwaty, A Nugraha</i>	
Web-Based Information Systems: Developing a Design Theory .....	90
<i>I B S Nusa, F M Faisal</i>	

Design of Application for Students Attendance Checking in Islamic Boarding School .....	95
<i>M D Aulia, R Hendriawan</i>	
Comparative Analysis of 4G Network Internet Data Connectivity Based on Quality of Service (QoS) Method (Case Study West Bandung Regency Tourism Area).....	102
<i>T Ernawati, B D Pratama</i>	
Study of Risk Assessment and Business Continuity Management of Analog to Digital Archiving Process in order to Guarantee Reliable System.....	111
<i>Yeffry Handoko Putra, Rahma Wahdiniwati</i>	
Model of Autonomous Unmanned On-Road and Aerial Vehicle Carriers For Precision Agricultural Transport 4.0 : A Literature Review.....	119
<i>I Afrianto, A Khumaidi, Adriyendi</i>	
Location Search Application for Refuelling Stations on Android Based Mobile Devices .....	126
<i>S Nurhayati, N Milal, A P Sujana</i>	
Web-Based Honorary Teacher Payroll Information System .....	132
<i>N Hasti, D Dekiki, I Gustiana, W Wahyuni, T Hartono</i>	
Raspberry Pi-Based Solar System Learning Media.....	140
<i>M F Wicaksono, Syahrul, M D Rahmatya, M A F Rahman</i>	
Design of Reservation Information System.....	146
<i>M D Rahmatya, M F Wicaksono, D P Sari, M N Mubarak</i>	
Application of Web-Based in Product Distribution using Unified Modelling Language.....	152
<i>L Melian, F N Fauzan</i>	
Information System of Roof Tiles Production and Distribution.....	159
<i>R F Syafariani, E N Hayati, F A Muttasir</i>	
Implementation of the Failure Mode and Effects Analysis (FMEA) Method to Determine Project Risk Priority .....	167
<i>S Atin, R Lubis</i>	
Design Securing Online Payment Transactions Using Stegblock Through Network Layers.....	174
<i>E Ardhiyanto, A Trisetjarso, W Suparta, B S Abbas, C H Kang</i>	
Protecting Data By Socket Programming Steganography .....	180
<i>WT Handoko, E Ardhiyanto, K Hadiono, FA Sutanto</i>	
Integration of TOGAF 9.1 ADM in Enterprise Architecture Smart City Design in the Tourism Domain with ISO 27001.....	186
<i>P Subakti, Y H Putra</i>	
Acquisition, Modeling, and Evaluating Method of Driving Behavior Based on OBD-II: A Literature Survey.....	194
<i>Galih Hermawan, Emir Husni</i>	
Web Application Vulnerability Detection Using Taint Analysis and Black-box Testing .....	201
<i>Heribertus Yulianton, Agung Trisetjarso, Wayan Suparta, Bahtiar Saleh Abbas, Chul Ho Kang</i>	
Sales Promotion System Design with Customer Relationship Management approach at Hotel .....	206
<i>G T Mardiani, T Faturrahman</i>	

Development of Expert System for Dental and Oral Diseases Diagnose in Certainty Condition .....	212
<i>R Sidik, M A Fadlurrahman, M B Winanti</i>	
Design of Recyclable Waste Mapping Information System for Waste Pickers.....	219
<i>Leonardi Paris Hasugian, Satria Indra Praja Persada, Triana Mugia Rahayu</i>	
The Waqf Cemetery Information System.....	227
<i>R Komalasari</i>	
Private Cloud Development in West Java Cooperative and Entrepreneurship Education and Training Center.....	237
<i>A Setiyadi, E B Setiawan</i>	
Spatial Information System Development in Bintan Regency .....	246
<i>J C Wibawa, M E Utomo, M R Fachrizal</i>	
Product Development Analysis using Quality Function Deployment.....	251
<i>R Susanto, A D Andriana</i>	
The Application of Fuzzy Logic Method in the Debtors Eligibility Assessment System of Microfinance Institution .....	256
<i>S L B Ginting, M R M Rizky, Y R Ginting, Sutono</i>	
Security Value Issues on eHealth Implementation in Indonesia.....	264
<i>P K Sari, P W Handayani, A N Hidayanto</i>	
Innovation Development of Web-Based Dormitory Information System at Boarding School SMA Terpadu Krida Nusantara .....	271
<i>Jafrudin, Yeffry Handoko Putra</i>	
Prototype of E-Document Application Based on Digital Signatures to Support Digital Document Authentication .....	281
<i>I Afrianto, A Heryandi, A Finandhita, S Atin</i>	
Cyber Security in IoT communication (Internet of Things) on Smart Home .....	289
<i>Herman Heriadi, Geraldi Catur Pamuji</i>	
Design of Furniture Production Monitoring Information System .....	298
<i>R P Dhaniawaty, A P Fadillah, D Lubis</i>	
Benefit of Using Cloud Services in IT Infrastructure in the Capability, Strategy and Cost Efficiency Aspects: detikNetwork Case Study .....	305
<i>R A Putra, G D Putra, N F Arifin, B Haryanto, M R Shihab, B Ranti</i>	
A Brief Look at Software Defined Network (SDN) Implementation: Gaining Benefits and Coping with the Challenges at a Telecommunication Company.....	312
<i>M R Adrian, D H Kurniawan, A Faza, J Maulina, M R Shihab</i>	
Information System Security Analysis of XYZ Company Using COBIT 5 Framework and ISO 27001:2013.....	320
<i>G G Prapenan, G C Pamuji</i>	
Raw Material Supplier Selection With Analytics Hierarchy Process (AHP) Method.....	326
<i>H Irmayanti</i>	
Developing Chatbot For Academic Record Monitoring in Higher Education Institution .....	331
<i>A Heryandi</i>	

User Care Level Audit of Information Data Security at PT XYZ Using Guttman Scale .....	340
<i>S Alviana</i>	
Strategies for Improving the Quality of Logistics Courier Services Through Priority Problem-solving Based on Multiclass Classification .....	347
<i>R Hendayani, M C Dharmawan</i>	
Optimization of Forest Plant Seeding Based On the Internet of Things.....	355
<i>D Hirawan, D Mahendra</i>	
Information System Services Wenow Clean Franchise.....	362
<i>I Pangaribuan, M H Ali, S Mauluddin</i>	
The Designing of Warehouse Management Information System .....	369
<i>R Fauzan, M F Shiddiq, N R Raddlya</i>	
Forward Engineering in Student Mark Recapitulation Application .....	376
<i>S Mauluddin, R Sidik</i>	
The Impact of Implementation of Angklung Learning Application for SLB Part B Deaf using Multimedia-Based Coloring Method on User Satisfaction.....	384
<i>D Effendi, L Lestary, B Noviansyah, B Hardiyana</i>	
A Comparison study of DBScan and K-Means Clustering in Jakarta rainfall based on the Tropical Rainfall Measuring Mission (TRMM) 1998-2007 .....	390
<i>G C Pamuji, H Rongtao</i>	
Design and Development of Coffee Production Information System to Support Coffee Production Productivity in Farmers Group.....	397
<i>D Effendi, M I Rismaya</i>	
Analysis of Road and Bridge Conditions by Utilizing WEBGIS Technology to Support The road and Bridge Maintenance Program in Indonesia.....	404
<i>Y Afrizal</i>	
Forecasting the Number of Outpatient Patient Visits Using the ARIMA, SES And Holt-Winters Methods at XYZ Community Health Center.....	413
<i>I D Sumitra, I Basri</i>	
Application of Supply Chain Management Information System of Inventory at Computer Shop in Jambi City .....	423
<i>Ade Indra Saputra, Rahma Wahdiniwati</i>	
Realtime Notifications On Visitor Tracking Systems Using Android and Arduino.....	430
<i>R F Rahman, I D Sumitra</i>	
Designing Enterprise Architecture for Distributor of Consumer Product Using TOGAF ADM .....	436
<i>M I Mutakin</i>	
Web-Based Project Management Information System in Construction Projects .....	442
<i>M R Fachrizal, J C Wibawa, Z Afifah</i>	
Analysis of Expert System Lung Disease Diagnosis System of Web-Based Disease in Cihaur Puskesmas .....	448
<i>A S Sitanggang, A D Damarullah, Wartika</i>	

Designing Enterprise Architecture for Academics Information System Platform using the Open Group Architecture Framework Architecture Development Method .....	455
<i>N Zulfarian, I D Rosiyadi</i>	
Implementation of OLAP and K-Medoids Clustering for Accreditation Data Analysis of Study Programs.....	463
<i>Ghufron, B Surarso, R Gernowo</i>	
Personality Prediction System Based on Signatures Using Machine Learning .....	471
<i>I Maliki, M A Sidik</i>	
Document Image Extraction System Design .....	476
<i>NI Widiastuti, K E Dewi</i>	
High Availability Aspects of SDN-IP Reactive Routing.....	483
<i>A Friyanto</i>	
Relay Streaming System Model to Social Media Platform for Indoor Activity Broadcasting .....	488
<i>R D Agustia, M K Wibawa</i>	
Decision Tree Method with C4.5 Algorithm for Students Classification Who is Entitled to Receive Indonesian Smart Card (KIP) .....	496
<i>E Afrianto, J E Suseno, B Warsito</i>	
Enterprise Architecture Planning for Enterprise University Information System Using the TOGAF Architecture Development Method .....	508
<i>U Ulmi, A P G Putra, Y D P Ginting, I L Laily, F Humani, Y Ruldeviyani</i>	
ISO 27001:2013 for Laboratory Management Information System at School of Applied Science Telkom University.....	520
<i>Alit Yuniargan Eskaluspita</i>	
The Dual-Protocol of the Internet of Things (IoT) Platform for Environment Monitoring System .....	526
<i>A Mulyana, JA Ualubun</i>	
Performance Comparison of Anti-Spam Technology Using Confusion Matrix Classification.....	534
<i>F Rahmad, Y Suryanto, K Ramli</i>	
Building Serverless Website on GitHub Pages .....	545
<i>Prayudi Utomo, Falahah</i>	
Redundancy Detection Of Sentence Pairs In The Software Requirements Specification Documents With Semantic Approach .....	552
<i>E D Oktaviyani, Licantik</i>	
Design of Learning Media for Web-Based Subjects Geography. (Case study: Class XI majoring in social studies at Citra Nusa Senior High School) .....	560
<i>W Wahyuni, R S W Ahmad, N Hasti, I Gustiana, Afifah P Pratiwi</i>	
Geographical Information System of Slums Area in Tangerang Selatan City .....	567
<i>NR Radliya, R Fauzan, A R Rabbi</i>	
The Designing of User Acceptance Measurement Tool for Web-Based Application Interface Using Combination from Nielsen's Method and Questionnaire Technique .....	575
<i>Yusup Maruli, Yusrila Kerlooza</i>	

Work Accident Analysis on the project at PT. X based on the Failure Mode & Effect Analysis (FMEA) Method.....	582
<i>N Santiara, D Rosiyadi</i>	
The Open Group Architecture Framework for Designing the Enterprise Architecture of ALIT.....	591
<i>A Y Eskaluspita, I D Sumitra</i>	
Analysis of Knowledge Management System in Pamulang University Library Based on SUMI (Software Usability Measurement Inventory) .....	599
<i>T Thoyyibah, Agung Trisetyarso, Wayan Saputra, Chul Ho Kang, Bahtiar Saleh Abbas</i>	
Development of Precision Agriculture Models for Medium and Small-Scale Agriculture in Indonesia .....	605
<i>H Maulana, H Kanai</i>	
Implementation of Scrum Framework on Web Development of Mapping Salted Egg Production.....	613
<i>Ginanjir Wiro Sasmito, La Ode Mohamad Zulfiqar</i>	
Application of Linked List Algorithm Based on Multimedia.....	620
<i>B Hardiyana, L Fadilah, D Effendi</i>	

## PART 2

Development of Software Quality Assessment Model for Mobile-based Elderly Fall Detection Software .....	631
<i>A Finandhita</i>	
Designing Self-healing Software Using Role-Based Multi Agent System Approach.....	640
<i>Falahah, Kridanto Surendro, Wikan Danar Sunindyo</i>	
Sequential Feature Selection in Customer Churn Prediction Based on Naive Bayes.....	647
<i>Y Yulianti, A Saifudin</i>	
Feature Selection Based on Naive Bayes for Caesarean Section Prediction .....	654
<i>T Desyani, A Saifudin, Y Yulianti</i>	
Hospital Quality Control System Development .....	661
<i>R. Lubis, S Atin, Y A Tambunan</i>	
Model Design of Accounting Information Systems for Village Owned Enterprises (BUMDes).....	668
<i>Supriyati, Ramadhan S. Bahri</i>	
A Predictive Analytic on Data Online Digital News using Systematic Literature Review .....	675
<i>Razief Perucha Fauzie Afidh, Zainal A. Hasibuan</i>	
Design of Enterprise Architecture Information System Practicum Scheduling in Computer Laboratory STMIK WIDYA CIPTA DHARMA Samarinda using TOGAF ADM Method.....	684
<i>R G Rahmadani, I D Sumitra</i>	
Android Based Information System Design .....	692
<i>A Darmayadi, Y M Izmazatnika</i>	
Temperature and Humidity Monitoring System using Wireless Based Xbee on Hydroponic Plants.....	701
<i>A B Emge, I Afrianto, S Atin</i>	

Portable Alphabet Learning Device .....	708
<i>T H Suwito, M Aria</i>	
Portable Farming .....	714
<i>Sutono, BR Ginting Selvia Lorena</i>	
Motion and Navigation Control System of a Mobile Robot as A Prototype of An Autonomous Vehicle .....	723
<i>R Hartono, T N Nizar, I Robani, D A Jatmiko</i>	
Design and Application of a Portable Fingerprint System for Student Attendance Web-Based and Telegram Using Raspberry Pi.....	730
<i>Syahrul, M F Wicaksono, Sumarsono</i>	
The Selection of the Correct Accuracy Level Using The Optimal Precision and Accuracy Method.....	737
<i>Y Kerlooza</i>	
Human Detection and Avoidance Control Systems of an Autonomous Vehicle.....	743
<i>T N Nizar, R Hartono, D Meidina</i>	
General Remote Control Based on Hand Patterns Detection Using Convolutional Neural Network.....	749
<i>J Utama, H Y Biu</i>	
Design and Implementation of Doorcam in Home System using Raspberry Pi.....	761
<i>S I Lestaringati</i>	
Maximally Stable Extremal Regions and Naïve Bayes to Detect Scene Text.....	767
<i>E Rainarli</i>	
Build a Microcontroller Based Interactive Module as A Learning Medium in Vocational Secondary Schools .....	775
<i>B Kurniawan</i>	
Virtual Simulation System with Various Examples and Analysis Tools for Programmable Logic Controller Training.....	783
<i>M Aria, J Utama, F Fauzia, M Rizal, M Fahmi, M Yudha</i>	
Fingerprint Matching Using Bozorth3 Algorithm and Parallel Computation on NVIDIA Compute Unified Device Architecture.....	790
<i>S Supatmi, I D Sumitra</i>	
Design and Implementation of Sembako-ATM using IoT based on Microcontroller and Web Application.....	797
<i>H Hidayat, Y F Rahmatullah, M F Wicaksono</i>	
Study and Performance Evaluation Binary Robust Invariant Scalable Keypoints (BRISK) for Underwater Image Stitching.....	806
<i>D A Jatmiko, S U Prini</i>	
Support Vector Regression for GPA Prediction.....	814
<i>K E Dewi, N I Widiastuti</i>	
Development of Automatic Health Testing Measurement Model for High School Students in West Java.....	819
<i>B Herdiana, A Ridwan</i>	

Cropping Method on Grayscale Images for Periapical Radiographs of Human Teeth.....	829
<i>Linda Wahyu Widianti, Sunny Arief Sudiro, Sarifuddin Madenda, Johan Harlan</i>	
Groundwater Potential Investigation Using Geoelectric Method with Schlumberger Electrode Configuration in Catur Rahayu Village, Dendang District, Tanjung Jabung Timur Regency, Jambi Province.....	837
<i>Tri Rahajoeningroem, Bagus Indrajana</i>	
Data Mining in Sales Data Grouping.....	845
<i>Supriyati, S R Abdillah</i>	
E-Commerce for Agriculture.....	851
<i>E S Soegoto, A Nugraha</i>	
Analysis on User Interfaces Readability: A Case Study of Instagram .....	857
<i>A D Subarna, A S Arianti</i>	
Designing Parking Lot Finder Application.....	864
<i>E S Soegoto, M Indra</i>	
Designing Electronic Menu Applications for Restaurant Businesses.....	872
<i>U Narimawati, A Pangestu</i>	
E-Wallet Effects on Community Behavior.....	880
<i>L Wulantika, S R Zein</i>	
The Influence of Digital Wallet.....	887
<i>E S Soegoto, M B R Sumantri</i>	
Analysis of the Effect of Web-Based Information System.....	894
<i>E S Soegoto, L F Ma'wa</i>	
Analysis of Electronic Wallets Use Patterns among Students in Online Transportation Services .....	901
<i>R D Santy, D Haninawati</i>	
Web Based Online Inventory Information System.....	908
<i>E S Soegoto, A F Palalungan</i>	
Design of Information System Human Resource Management .....	914
<i>W Novianti, F Qadri</i>	
Electronic Wallet as a Payment Transaction Instrument .....	922
<i>A Rizaldi, F A Faruqi</i>	
Pavement Design using Environmentally Friendly Porous Concrete.....	928
<i>B S Sir, S M Setiana</i>	
Information Technology for Coffee Industry .....	935
<i>S M Setiana, A Khaerani</i>	
Hydroponic Technology in Agriculture Industry .....	941
<i>I Prayoga, R A Putra</i>	
E-commerce in Farmers Communities .....	946
<i>T Fidowaty, R Y Supriadi</i>	

E-commerce in Supply Chain.....	949
<i>A Jannah, H Hassanah</i>	
Effect of User Interface and User Experience on Application Sales .....	955
<i>M A T Pratama, A T Cahyadi</i>	
Application of Hec-Ras Technology to Irrigation and Water Building in Agricultural Businesses .....	963
<i>B Kurniawan, F S Sasmita, S Alviana</i>	
Information System Application for Palm Oil and Rubber Plantation Sales.....	971
<i>P Nugraha, T Tawami</i>	
Decision Support System for Public Transportation Selection.....	979
<i>D S Soegoto, P Ramadhani</i>	
Developments of Information Technology and Digital Startup Sector of Agriculture in Indonesia .....	988
<i>D S Soegoto, M Faridh</i>	
Desktop Based Application for Inventory Management .....	995
<i>D S Soegoto, R F Nugraha</i>	
E-Wallet as a Payment Instrument in the Millennial Era .....	1001
<i>D S Soegoto, M P Tampubolon</i>	
Agribusiness Information System of Dragon Fruit Planation.....	1008
<i>Y P Sihaloho, A Febriansyah</i>	
Development of Enterprise Resource Planning using Blockchain .....	1014
<i>A R Komala, I Gunanda</i>	
Effect of Activation Code / Encryption Code on Digital Goods on Digital Right Management.....	1019
<i>A Gifar, H Purnomo</i>	
Utilization of Information and Communication Technology in Agriculture .....	1026
<i>T V L Gaol, M R Gustira</i>	
The Effect of Computer-Based 3D Visualization.....	1032
<i>D M Ramadhanty, T Handayani</i>	
Utilizing Technology of Dynamic Faces on Buildings.....	1040
<i>D P M Fattah, D Kurniasih</i>	
Sustainable Building Materials.....	1045
<i>D A Suhamad, S P Martana</i>	
Use of 3D Animation Software in Visualizing Architectural Works .....	1050
<i>W Hadiyatna, Andi Harapan S</i>	
The Efficiency of Steel Material as Buildings Construction .....	1056
<i>S O Putri, Firmansyah</i>	
The Influence of Technology on Architecture Design 4.0 .....	1061
<i>M Fadjri, Y A Ekawardhani</i>	
Architecture and Design in the Digital Age .....	1068
<i>R A Robinson, I Tarmawan</i>	

Recycled Wood Technology for Wall .....	1074
<i>H Hafilda, A B Hardoyo</i>	
Energy Utilization of Kinetic Paving Technology .....	1081
<i>I Ansori, Wanita Subadra Abioso</i>	
Smart Bike Sharing System as Sustainable Transportation.....	1086
<i>L Warlina, YA Hermawan</i>	
Air Quality Monitoring System in Urban Areas.....	1092
<i>S Suhendar, L Warlina</i>	
Design of Smart Trash Bin .....	1100
<i>R P Chandra, T Tawami</i>	
Green Architectural Design Factors for Residential Environment and Lifestyle .....	1106
<i>D Fatimah, B Z Syaifudin</i>	
Utilization of Sawdust as Interior Acoustic.....	1111
<i>F Maharlika, Aida</i>	
Designing Friendly Environment for Pedestrian by Visual Perception.....	1115
<i>A Pelayati, D Andriani</i>	
Synomorph of Behaviour Setting in Architecture Enhance the Green Design.....	1121
<i>Wanita Subadra Abioso</i>	
Kampong KB Public Open Space Design Based on a Participatory .....	1127
<i>N C Aditya, T W Natalia, L N Imaniar, S Astuti</i>	
Land Use Change and Suitability Analysis in Coastal Area.....	1135
<i>L Warlina, A Ikhsan</i>	
Relationship between Farmer Characteristics and Gadget Using in Rural Area for Improving Regional Development .....	1141
<i>S S Aulia</i>	
Designing Enterprise Architecture for Public Health Center Based on TOGAF Architecture Development Method .....	1149
<i>Y P Putra, A Hadiana</i>	
Identification on Urban Planning Alteration Due to Regional Otonomous in Cimahi .....	1156
<i>R Adibowo, K Mahardika</i>	
Implementing the Shortest Time Route Search Algorithm in Semarang Using the Best First Search Method .....	1164
<i>N Wibowo, C E Widodo, K Adi</i>	
Potential of Sea Passenger Movement Post Ports Development in Kepulauan Seribu.....	1173
<i>K Mahardika</i>	
Flood Control Reduction Analysis using HEC-RAS due to Local Floods in Central Jakarta .....	1180
<i>V Pratiwi, B P Yakti, B E Widyanto</i>	
Effect of Change in Land-use to High Pattern of Inundation on Sub-River System of Lowland Urban River .....	1188
<i>S. A. Hamim, F. Usman</i>	

Experimental Study Improving The Friction in The Surface of Cold Form Steel Connections Using Adhesive .....	1199
<i>Y D Setiyarto</i>	
Building Façade of the Architect Richard L.A. Schoemaker in Bandung .....	1205
<i>S P Martana, J C Yapsie, Abdurrahman, F S Prasetyo, I D N Syauqi</i>	
Maintenance Strategy Selection in Spinning Mills Industry Using Fuzzy AHP .....	1213
<i>Gabriel Sianturi, Agus Riyanto, Racka Maulana</i>	
Product Quality Improvement by Using the Waste Assessment Model and Kipling Method.....	1220
<i>Julian Rebecca, I Made Aryantha Anthara, Monalisa Silaban, Maureena Ronahot Situmorang</i>	
Maintenance Policy for Korin Filling Machines Using Overall Equipment Effectiveness (OEE) and Markov Chain.....	1225
<i>D Andriani, A Santosa, D U M Depari</i>	
An Analysis of the Determining Factors of Mobile Banking Adoption in Islamic Banks .....	1231
<i>A Yussaivi, D Suhartanto, Moch. Edman Syarief</i>	
Improvement of System Production Based on Analysis of Quality Control .....	1238
<i>I M A Anthara, J Rebecca, M L Lubis</i>	
Design Models for Estimating Customer Volume Based on Competitors .....	1242
<i>I Andriana, H Henny, C M Saputra, D Darmawan</i>	
Designing Universal Smartphone Case with Solar Powered Chargers.....	1248
<i>H Henny, D Purwadi, H Hardianto, O Widilestariningtyas</i>	
Design for Human Safety and Health in Manufacturing System.....	1254
<i>H Henny, A Jaelani, H Haryanto, I Andriana</i>	
Database Design for Distribution Simulation Game .....	1259
<i>A Santosa, A M Rinaldy, D Andriani</i>	

## **Author Index**