

Analysis of The Influence of Information Technology on Construction Project Performance

Gayuh Wakhyu Priambudi, Erick Dazki (Author)

Analysis of Body Posture and Mental Workload in Production Operators Using the RapiT Entire Body Assessment and Modified Cooper Harper Methods

Prayoga Dwi Firmansyah, Boy Isma Putra (Author)

Application of Customer Relationship Management Methods for Curtains Sales at Nuel Jaya Curtains WebBased

Yohana Dela Vega, Afrisawati Afrisawati, Chitra Latiffani (Author)

Analysis of IT Helpdesk Ticketing System on Alibaba Cloud Elastic Compute Service

Putra Wahyudi Akbar, Fatoni Fatoni, Ilman Zuhriyadi, Aan Restu Mukti (Author)

Prototype Implementation of It Business VPS and Web Hosting Services as a Research Laboratory for Bina Darma University

Suryayusra, M.Kom, Reyhan Achmad Alfarizhi, Fatoni, M.M., M.Kom, Tamsir Ariyadi, M.Kom., Maria Ulfa, M.Kom (Author)

Usability Testing of the TUS MART Website by Measuring the Customer Satisfaction Index using the WebQual Model

Norma Septin Nurlaela, Rizqa Amelia Zunaidi, Huki Chandra, Perdana Suteja Putra, Hawwin Mardhiana, Sri Hidayati (Author)

Implementation of VPN Using the PPTP Method to Access CCTV Monitoring Data at the Bukit Raya District Office

Tiara Dwi Kharisma (Author)

Prediction of Student Satisfaction with Lecturer Performance in the Informatics Engineering Study Program at Ngudi Waluyo University Using the C4.5 Algorithm

Noviyana Dwi Herlinda, Abdul Rohman (Author)

Systematic Literature Review of Cloud Computing Adoption

Perdly Setiawan, Raihan Shidqi Putrandi, Imelda Imelda (Author)

User Interface and User Experience Design for TUS Mart Sales Report Dashboard Using Design Thinking Method



Norma Novika, Perdana Suteja Putra, Rizqa Amelia Zunaidi, Sri Hidayati, Hawwin Mardhiana, Huki Chandra, Ali Akbar Nafis (Author)

Utilization of the Internet of Things for Improving Water Quality Management and Waste Efficiency in the Tofu Industry

Reinaldi Teguh Setyawan, Muhammad Asep Subandri (Author)

Development of a Digital Management System in Cooperatives for Operational Efficiency Improvement

Fajar Ratnawati, Budhi Santoso (Author)

Development of AndroidBased Package Sorting Application Based on Distance – Dionisius Arya, Moh. Ali Romli, S.Kom., M.Kom. (Author)

Forecasting Throughput Capacity on 5Ghz Wireless Radio Network Using Linear Regression Method

Muhammad Rizky Pratama, Armansyah (Author)

Inclusive AndroidBased Solution: EBook Reader Application with TextToSpeech for Empowering People with Disabilities

Muhammad Fathan Ramadhan, Suhirman S.KOM., M.Kom., PH.D., (Author)

Analysis of Path Loss In 802.11ac Data Communication at 5.8 Ghz Frequency in Padang City

Teddy Yuliswar, Ikhwana Elfitri, Onno W Purbo (Author)

Disasterwatch: AndroidBased Implementation of Yogyakarta Natural Disaster Monitoring Prediction

Musthafa Anggoro, SUHIRMAN S.KOM., M.Kom., PH.D., (Author)

Mobile Health Monitoring Application as an Effort to Detect Stunting in Early Childhood Based on Android

Ridwan Bagus, Moh Ali Romli, S.Kom.,M.Kom. (Author)

Analysis of the Impact of the Implementation of IT Service Management on the Operational Efficiency of PT Sinergis Utama Informasi Transformasi

Luntungan Stephen Pieters, Erick Dazki (Author)

Design of an Androidbased Letter Submission Application for Panjer Village

Optimisation Best Sales Assessment Using aCombination of Rank Order Centroid and Additive Ratio Aessment Algorithms

Yulvia Nora Marlim, Erlin, Wilda Susanti, Deny Jollyta, Dwi Oktarina (Author)

Integrated Payment System to Improve Financial Management Using Payment Gateway



Muhamad Rico Aditya Prayoga, Suhirman (Author)

Designing UI/UX for Reading Games in Indonesian and English for Early Childhood Using the HumanCentered Design Method

Abdullah Azzam, Chanifah Indah Ratnasari (Author)

Sea Level Prediction Using Gated Recurrent Unit and Bidirectional Long ShortTerm Memory Methods

Anting B.N Sinurat, Wildan Aprizal Arifin, Wenny Ananda Larasati (Author)

The Use of PFSense and Suricata as a Network Security Attack Detection and Prevention Tool on Web Servers

Devander Benaryanta Sufardy, Indrastanti Ratna Wideasari (Author)

Implementation of an IoT Based Billing System to Optimize Management of Billiard Table Usage

Rezky Kristian Bangun, Indrastanti Ratna Wideasari (Author)

Development Management System of Student Religious Activity through User Centered Design Approach and UTAUT

Suwarno, Syaeful Anas Aklani, Jesselyn (Author)

Sentiment Analysis on Social Media Instagram of Depression Issues Using Naïve Bayes Method

Voni Anggraeni Suwito Putri, Anik Vega Vitianingsih, Rusdi Hamidan, Anastasia Lidya Maukar, Niken Titi Pratitis (Author)

Maxim Application User Satisfaction Analysis Using The User Experience Questionnaire Method

M Rido Rizki, M.Rudi Sanjaya, S.Kom, M.Kom (Author)

Development of a Geographic Information System for Archiving Flood Prevention Recommendation Letters Using The Prototype Method

Giovan Alshary, Feri Candra (Author)

Information Technology Risk Management Using ISO 31000 Based on the ISSAF Penetration Testing Framework

Mgs Afriyan Firdaus, Muhammad Egi Perdianza, Dwi Rosa Indah (Author)

Enhancing the Efficiency of Customer Data Search in Pamsimas Using QR Code Technology

Wildan Razzaq Pratama, Yuli Purwati, Ali Nur Ikhsan (Author)

Implementation of Test Item Analysis for Learning Evaluation at SMAS YKPP Dumai

Pulla Pandika Widodo (Author)



Designing a Square Transposition Algorithm with a Spiral Schematic

hendrikpatiung (Author)

Comparison of ArcFace and Dlib Performance in Face Recognition with Detection Using YOLOv8

Berliana Wahyu nurlita, Sri Winarno, Adhitya Nugraha, Almas Najib Imam Muttaqin, Yasmin Zarifa, Pramesya Mutia Salsabila, Ghina Fairuz Mumtaz7 (Author)

Implementation of a Network Security System Using the Port Knocking Method at Taruna Satria Vocational School Pekanbaru

Zahra Amanda Indira Azmi (Author)

Mobile Application System For Point of Sales in Coffee Sales at Langit Coffee Space

Yusril Aziz (Author)

Threads User Decline Analysis Using the Unfield Theory of Acceptance and Use of Technology method

Hafiz Zikra hafiz (Author)

Development of Information System for Asset Management

Safara Cathasa Riverinda Rijadi, Sinung Suakanto (Author)

Identification of Digital Signature Patterns Based on The CNN Method at Almas'udiyah Islamic Boarding School

Muhammad Ulumul Ikhsanil Huda, Kustiyono (Author)

Design and Implementation of Tangerang Regency Korpri and Cooperative ECommerce Service Applications

Irma Yuningsih, Baihaqi Yogie Prasetyo, Samidi (Author)

Smart System Augmented Reality For Cultural and Tourism Mapping in North Padang Lawas

Januard Rosyid, Perra Budiarti Rahayu Putri, Feri Irawan, Hartati Harahap (Author)

Implementation of The Algorithm in a WebBased Geographic Information System For Mapping Tourist Attractions in the Toba Area

Said Muhammad Fadhil, Ali Ikhwan, M.Kom (Author)

November 2024

Vol. 9

No. 2

ISSN: 2527-9866

**DEWAN REDAKSI Pelindung
P3M Politeknik Negeri Bengkalis**

Editor In Chief

Agus Tedyyana, Politeknik Negeri Bengkalis, Indonesia

Managing Editor

Jaraji, Politeknik Negeri Bengkalis, Indonesia

Tim Editorial

Suherman Suherman, Universitas Pembangunan Panca Budi, Indonesia

Yoppy Yunahasnawa, Politeknik Negeri Malang, Indonesia

Rengga Asmara, Politeknik Elektronika Negeri Surabaya, Indonesia

Dwi Susanto, Politeknik Elektronika Negeri Surabaya, Indonesia

Muhammad Riza Nurtam, Politeknik Pertanian Negeri Payakumbuh, Indonesia

Susilawati, Universitas Riau, Indonesia

Lisnawita, Universitas Lancang Kuning, Indonesia

Nurul Fahmi, Politeknik Negeri Bengkalis, Indonesia

Fajri Profesio Putra, Politeknik Negeri Bengkalis, Indonesia

Mansur Mansur, Politeknik Negeri Bengkalis, Indonesia

Wahyat Wahyat, Politeknik Negeri Bengkalis, Indonesia

Afis Julianto, Politeknik Negeri Bengkalis, Indonesia



Jurnal Inovtek Polbeng
Seri Informatika

Halaman
476 - 1000

ISSN
2527-9866

Mitra Bestari

- Mr. Abdullah Abdullah, Scopus id: 57206889771, Universitas Islam Indragiri, Indonesia
Mr. Osman Gazali, Scopus id: 55953618400, University Utara Malaysia, Malaysia
Ms. Kelik Sussolaikah, Scopus id: 57209271915, Universitas PGRI Madiun, Indonesia
Dr. Evizal Abdul Kadir, Scopus id: 57217215616, Universitas Islam Riau, Indonesia
Mr. Udin Harun Al Rasyid, Scopus id: 55569020700, Politeknik Elektronika Negeri Surabaya, Indonesia
Mr. Benny Benyamin Nasution, Scopus id: 16022640200, Politeknik Negeri Medan
Mr. Uuf Brajawidagda, Scopus id: 55633386200, Politeknik Negeri Batam
Mr. Faisal Rahutomo, Scopus id: 55580867600, Universitas Sebelas Maret, Indonesia
Mrs. Erlin Erlin, Scopus id: 25824924600, Institut Bisnis dan Teknologi Pelita Indonesia, Indonesia
Mr. Onno Widodo Purbo, Scopus id: 57210296280 Institut Teknologi Tangerang Selatan, Indonesia
Mr. Edi Winarko, Scopus id: 8876439700, Universitas Gadjah Mada, Indonesia
Mr. Elgamar Syam, Scopus id: 57831471000, Universitas Islam Kuantan Singingi, Indonesia
Mr. Abdul Wahid, Scopus id: 56579924600, Universitas Negeri Makassar, Indonesia
Mr. Apri Siswanto, Scopus id: 57191620345, Universitas Islam Riau, Indonesia

Alamat Redaksi

Jurusan Teknik Informatika Politeknik Negeri Bengkalis
Jl. Bathin Alam, Kampus Sungai Alam Bengkalis 28751 Indonesia
Telp. (+62766) 24566/24577 Fax. (+62766) 8001000 email: jurnalinformatika@polbeng.ac.id

Jurnal Inovtek Polbeng Seri Informatika merupakan jurnal informatika berbasis penelitian ilmiah. Jurnal Inovtek Polbeng Seri Informatika terbit 2 kali dalam setahun. Secara berkala Jurnal Inovtek - Seri Informatika terbit setiap bulan Juni dan November.

Tanggal terbit :

Edisi Juni : 17 Juni

Edisi November : 27 November



Jurnal Inovtek Polbeng
Seri Informatika

Halaman
476 - 1000

ISSN
2527-9866

Tentang Jurnal Inovtek Polbeng - Seri Informatika

Jurnal Inovasi dan Teknologi Seri Informatika (Jurnal Inovtek Polbeng - Seri Informatika) Politeknik Negeri Bengkalis merupakan jurnal informatika berbasis penelitian ilmiah. Jurnal ini diharapkan dapat sebagai wadah akademisi, peneliti dan praktisi menyebarkan hasil penelitian. Jurnal Inovtek Polbeng - Seri Informatika menerbitkan naskah berkaitan dengan *Web and Mobile Computing, Image processing, System Cerdas, Sistem Informasi, Database, DSS, IT project management, Geographical Information System, Teknologi Informasi, Computer Network and Security, Wireless Sensor Network*, dan lainnya.

Jurnal Inovtek Polbeng - Seri Informatika Terapan terbit 2 kali dalam setahun. Secara berkala terbit setiap bulan Juni dan November, Tanggal penting dapat dilihat dibawah ini :

Paper dapat dikirimkan melalui website <http://jurnal.polbeng.ac.id/index.php/ISI>

Tanggal-Tanggal Penting

Edisi I

Batas akhir pengiriman : April
Konfirmasi hasil review : Mei
Terbit Jurnal : Juni

Edisi II

Batas akhir pengiriman : September
Konfirmasi hasil review : Oktober
Terbit Jurnal : November

Alamat Redaksi

Jurusan Teknik Informatika Politeknik Negeri Bengkalis

Jl. Bathin Alam, Kampus Sungai Alam Bengkalis 28751 Indonesia

Telp. (+62766) 24566/24577 Fax. (+62766) 8001000 email: jurnalinformatika@polbeng.ac.id



Jurnal Inovtek Polbeng
Seri Informatika

Halaman
476 - 1000

ISSN
2527-9866

DAFTAR ISI

1	Analysis of The Influence of Information Technology on Construction Project Performance	476 - 487
2	Analysis of Body Posture and Mental Workload in Production Operators Using the Rapit Entire Body Assesment and Modifiyet Cooper Harper Methods	488 - 499
3	Application of Customer Relationship Management Methods for Curtains Sales at Nuel Jaya Curtains Web-Based	500 - 512
4	Analysis of IT Helpdesk Ticketing System on Alibaba Cloud Elastic Compute Service	513 - 525
5	Prototype Implementation of It Business VPS and Web Hosting Services as a Research Laboratory for Bina Darma University	526 - 538
6	Usability Testing of the TUS MART Website by Measuring the Customer Satisfaction Index using the WebOual Model	539 - 552
7	Implementation of VPN Using the PPTP Method to Access CCTV Monitoring Data at the Bukit Raya District Office	553 - 565
8	Prediction of Student Satisfaction with Lecturer Performance in the Informatics Engineering Study Program at Ngudi Waluyo University Using the C4.5 Algorithm	566 - 577
9	Systematic Literature Review of Cloud Computing Adoption	578 - 586
10	User Interface and User Experience Design for TUS Mart Sales Report Dashboard Using Design Thinking Method	587 - 599
11	Utilization of the Internet of Things for Improving Water Quality Management and Waste Efficiency in the Tofu Industry	600 - 608
12	Development of a Digital Management System in Cooperatives for Operational Efficiency Improvement	609 - 618
13	Development of Android-Based Package Sorting Application Based on Distance	619 - 630
14	Forecasting Throughput Capacity on 5Ghz Wireless Radio Network Using Linear Regression Method	631 - 643
15	Inclusive Android-Based Solution: E-Book Reader Application with Text-To-Speech for Empowering People with Disabilities	644 - 655
16	Analysis of Path Loss In 802.11ac Data Communication at 5.8 Ghz Frequency in Padang City	656 - 665
17	Disasterwatch: Android-Based Implementation of Yogyakarta Natural Disaster Monitoring Prediction	666 - 678

18	Mobile Health Monitoring Application as an Effort to Detect Stunting in Early Childhood Based on Android	679 – 689
19	Analysis of the Impact of the Implementation of IT Service Management on the Operational Efficiency of PT Sinergis Utama Informasi Transformasi	690 - 701
20	Design of an Android-based Letter Submission Application for Panjer Village	702 - 712
21	Optimisation Best Sales Assessment Using aCombination of Rank Order Centroid and Additive Ratio Asessment Algorithms	713 - 726
22	Integrated Payment System to Improve Financial Management Using Payment Gateway	727 - 739
23	Designing UI/UX for Reading Games in Indonesian and English for Early Childhood Using the Human-Centered Design Method	740 - 752
24	Sea Level Prediction Using Gated Recurrent Unit and Bidirectional Long Short-Term Memory Methods	753 - 764
25	The Use of PFSense and Suricata as a Network Security Attack Detection and Prevention Tool on Web servers	765 - 777
26	Implementation of an IoT Based Billing System to Optimize Management of Billiard Table Usage	778 - 789
27	Development Management System of Student Religious Activity through User Centered Design Approach and UTAUT	790 - 801
28	Sentiment Analysis on Social Media Instagram of Depression Issues Using Naïve Bayes Method	802 – 813
29	Maxim Application User Satisfaction Analysis Using The User Experience Questionnaire Method	814 - 825
30	Development of a Geographic Information System for Archiving Flood Prevention Recommendation Letters Using The Prototype Method	826 - 838
31	Information Technology Risk Management Using ISO 31000 Based on the ISSAF Penetration Testing Framework	839 - 851
32	Enhancing the Efficiency of Customer Data Search in Pamsimas Using QR Code Technology	852 - 863
33	Implementation of Test Item Analysis for Learning Evaluation at SMAS YKPP Dumai	864 - 877
34	Designing a Square Transposition Algorithm with a Spiral Schematic	878 - 889
35	Comparison of ArcFace and Dlib Performance in Face Recognition with Detection Using YOLOv8	890 - 903

- 36 Implementation of a Network Security System Using the Port Knocking Method at Taruna Satria Vocational School Pekanbaru 904 - 915
- 37 Mobile Application System For Point of Sales in Coffee Sales at Langit Coffee Space 916 - 926
- 38 Threads User Decline Analysis Using the Unfield Theory of Acceptance and Use of Technology method 927 – 939
- 39 Development of Information System for Asset Management 940 - 952
- 40 Identification of Digital Signature Patterns Based on The CNN Method at Almas'udiyah Islamic Boarding School 953 - 962
- 41 Design and Implementation of Tangerang Regency Korpri and Cooperative E-Commerce Service Applications 963 - 973
- 42 Smart System Augmented Reality For Cultural and Tourism Mapping in North Padang Lawas 974 - 987
- 43 Implementation of The Algorithm in a Web-Based Geographic Information System For Mapping Tourist Attractions in the Toba Area 988 - 1000

