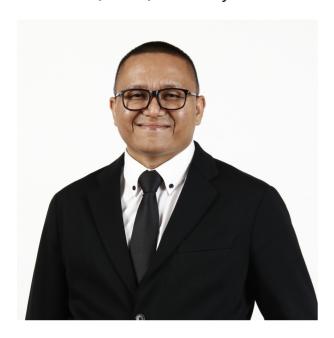# Riyanto Jayadi

Assistant Professor Management Information System (MIS), Graduate Program, Bina Nusantara (BINUS) University

Current Affiliatiom

Information Systems Management Department, BINUS Graduate Program – Master of Information Systems Management, Bina Nusantara University, Jakarta, Indonesia.

Research Interests

Computer Network, Applied Data science, Applied Big Data Analytics, Business Intelligence, Cloud Computing, Emerging Technologies (Voice Assistant, Blockchain, AI IoT), User behavior (Habit-forming Apps, Internet/Smartphone addiction), Microservices

EDUCATIONS

- Aug 2013 ~ Jul 2018: Ph.D. Program of Information Management, National Taiwan University of Science and Technology (NTUST), Taiwan.
- Aug 2012 ~ Jul 2013 [Fast tracked to PhD] : Master Program of Information Management, National Taiwan University of Science and Technology (NTUST), Taiwan.
- Sept 2007 ~ Aug 2011: Undergraduate Degree of Information System, Institut Teknologi Sepuluh Nopember (ITS) Surabaya, Indonesia.

Course Taught

- Business Intelligence and Analytics (Master Program)
- Project and Change Management (Master Program)
- Cyber Digital Marketing & Communication (Master Program)
- Information Technology Infrastructure (Undergraduate Program)
- Business Process Management (Undergraduate Program)
- Management Information System (Undergraduate Program)
- Intorduction to Database System (Undergraduate Program)
- Entrepreneurship (Undergraduate Program)

PUBLICATIONS

Recent updates:

- Scopus: https://www.scopus.com/authid/detail.uri?authorId=57217056183
- Google scholar: https://scholar.google.com.tw/citations?user=GR1tihAAAAAJ&hl=en
- SINTA: http://sinta.ristekbrin.go.id/authors/detail?id=6691218&view=overview

Research Fund Granted

- 2024: A Development Of Intelligent Systems for Micro-Climate Based on Internet-Of-Things To Increase Horticultural Production. ≈USD14,000 for 3 Years. Indonesian Ministry of Education and Research
- 2023 ~ 2021 : A Development Of Intelligent Systems for Micro-Climate Based on Internet-Of-Things To Increase Horticultural Production. ≈USD14,000 for 3 Years. Indonesian Ministry of Education and Research

2024

Journal

- Evan, F., & Jayadi, R. (2024). A Prototype System Design for Microgreens Iot-Based Smart Vertical Farm. Journal of System and Management Sciences, 14(1), 188–202. https://doi.org/10.33168/JSMS.2024.0112
- Wibisono, A. B., & Jayadi, R. (2024). Experimental IoT System to Maintain Water Quality in Catfish Pond. International Journal of Advanced Computer Science and Applications, 15(3),

393–399. https://doi.org/10.14569/IJACSA.2024.0150340

Conferences

- Fajar, A. N., Jayadi, R., Dyaz, S., Setiawan, G., & Bhudiawan, M. (2024). Designing IoT urban farming monitoring systems for supporting smart farming. AIP Conference Proceedings, 2927(1). https://doi.org/10.1063/5.0205234

2023

Journal

- Asriny, D. M., & Jayadi, R. (2023). Transfer Learning VGG16 for Classification Orange Fruit Images. Journal of System and Management Sciences, 13(1), 206–217. https://doi.org/10.33168/JSMS.2023.0112
- Jericho, I., & Jayadi, R. (2023). An Empirical Study on the Factors Affecting Intention to Use 5G Technology. Journal of System and Management Sciences, 13(2), 301–315. https://doi.org/10.33168/JSMS.2023.0221
- Vincenzo, Y., & Jayadi, R. (2023). Important factors that affect customer satisfaction with digital banks in Indonesia. J. Theor. Appl. Inf. Technol, 101, 1341–1352.
- Matheus, F., & Jayadi, R. (2023). Which Gating System Can Prevent Addiction to Online Games? International Journal of Computer Games Technology, 2023. https://doi.org/10.1155/2023/4490133
- Wildan, M., & Jayadi, R. (2023). Internet of Things Design Architecture Development for Controlling and Monitoring Hydroponic Plants. Journal of Theoretical and Applied Information Technology, 101(8), 2983–2995. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163515759&partnerID=40&md5=952d31ec329099baa93f770469a22145
- Audri Pranata, Y., & Jayadi, R. (2023). Addiction Analysis and Neuroticism of Use of Instagram Social Media on Productive Age in Java Island. Journal of Theoretical and Applied Information Technology, 101(3), 1078–1094. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153797868&partnerID=40&md5=07792537746085968f58ac1b493ddca1
- Njoo, D. H., & Jayadi, R. (2023). Analyzing Factors Between YouTube Usage and Addiction in Indonesia. Journal of Theoretical and Applied Information Technology, 101(1), 182–193. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146262208&partnerID=40&md5=137adf6556a161cc96324fd58feebcae
- Wibisono, A. B., & Jayadi, R. (2023). Design Architecture Development of IOT-Based Catfish Control and Monitoring. Journal of Theoretical and Applied Information Technology, 101(11), 4449–4458. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166430470&partnerID=40&md5=d423178d7093f7766023c3a466f12c7c

- Utami, F. A., & Jayadi, R. (2023). Factors That Affect the Success Rate of Digital Transformation Concerning the Company's Perceived Performance on Indonesian Construction State Company. Journal of Theoretical and Applied Information Technology, 101(11), 4791–4805. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166249910&partnerID=40&md5=006d013976e6e388d57d614a612f3c6e

- Iman, P., & Jayadi, R. (2023). Discovery of Parents' Intention Factors in the Use of Parental Control on the Gadgets Used by Their Children. Journal of Theoretical and Applied Information Technology, 101(7), 2858–2873. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166178119&partnerID=40&md5=7a68ca6764692ad5143e74b34cb8fca5

- Marshal, O. J., & Jayadi, R. (2023). Maturity Classification of Tomatoes Using Convolutional Neural Network. Journal of Theoretical and Applied Information Technology, 101(11), 4414–4424. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166543318&partnerID=40&md5=6b92931d898cb9a7811b4f4a1f690254

- Monesa, F., & Jayadi, R. (2023). Sentiment Analysis on Investment Topic in Indonesia Using Machine Learning Algorithms Approach. Journal of Theoretical and Applied Information Technology, 101(13), 5399–5407. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165955439&partnerID=40&md5=78624b46fd2fb5e1bbbf690dd1c9c5cc

- Djulaini, D. A., & Jayadi, R. (2023). The Impact of Factors That Cause Issues for Non-ict Background Workers in Ict Jobs on Their Job Satisfaction. Journal of Theoretical and Applied Information Technology, 101(6), 2292–2303. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152729205&partnerID=40&md5=a50765d2050cb8d56eb782eb1cf9815f

- Aliansyah, M. O. H., Utami, F. A., & Jayadi, R. (2023). Credit Card Fraud Detection Using Machine Learning Algorithm. Journal of Theoretical and Applied Information Technology, 101(15), 5927–5941. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172703115&partnerID=40&md5=a8ba593fe1ea86b063a38640230bdc4c

Conferences

- Ginting, F., Angelica, N., Sutikno, A., & Jayadi, R. (2023). Analysis of title influence on popularity of forum postings using text mining: Case study on Kaskus.com. AIP Conference Proceedings, 2654. https://doi.org/10.1063/5.0117404

2022

Journal

- Alexandra, J., & Jayadi, R. (2022). Mobile Application System Integrated With Voice Assistant To Enhance Student's Learning Process . Journal of Theoretical and Applied Information Technology, 100(1), 15-25. http://www.jatit.org/volumes/onehundred01.php

- Aliandy, G. E., & Jayadi, R. (2022). Denial of Service Classification on Message Queueing Telemetry Transport Protocol at Indonesia Oil Services Company. Journal of Theoretical and Applied Information Technology, 100(7), 2289–2299. http://www.jatit.org/volumes/Vol100No7/25Vol100No7.pdf

- Fajar, A. N., Jayadi, R., Halim, J., & Robertson, B. (2022). Mobile Application For Agrotechnology Systems Using Internet of Things (IoT). Journal of System and Management Sciences, 12(3), 104–116. https://doi.org/10.33168/JSMS.2022.0306

- Ridipurnomo, & Jayadi, R. (2022). Understanding Employee Security Behavior in Using Information System of Organizations: Evidence from Jakarta Greater Area, Indonesia. Journal of Theoretical and Applied Information Technology, 100(12), 3874–3884. http://www.jatit.org/volumes/Vol100No12/5Vol100No12.pdf

- Fathoni, F., & Jayadi, R. (2022). Fundraising Decision Support System on Indonesia's Oil Palm Public Service Agency Using Kimball-Ross Four-Step Dimensional Process And Metabase Dashboard. Journal of Theoretical and Applied Information Technology, 100(14), 5060–5071. http://www.jatit.org/volumes/Vol100No14/1Vol100No14.pdf

- Pradipta, R., & Jayadi, R. (2022). The Sentiment Analysis of The Indonesian Palm Oil Industry in Social Media Using A Machine Learning Model. Journal of Theoretical and Applied Information Technology, 100(12), 4532–4542. http://www.jatit.org/volumes/Vol100No12/21Vol100No12.pdf

- Sebastian, A., & Jayadi, R. (2022). Internet Of Things Concept Implementation for Microgreen Farming Automation With Gamification Principles. Journal of Theoretical and Applied Information Technology, 100(5), 1275–1286. http://www.jatit.org/volumes/Vol100No5/7Vol100No5.pdf

- Chrysmien, & Jayadi, R. (2022). Comparison Stock Price Prediction Between Arima, Multiple Linear Regression and LSTM Models By Adding Stock Sentiment Analysis And USD/IDR Fluctuation. Journal of Theoretical and Applied Information Technology, 100(4), 1158–1169. http://www.jatit.org/volumes/Vol100No4/23Vol100No4.pdf

- Amin, A. L., & Jayadi, R. (2022). Impact of Scrum Practice on Software Development In Individual And Team Performance During Covid-19 Pandemic. Journal of Theoretical and Applied Information Technology, 100(12), 3860–3873. http://www.jatit.org/volumes/Vol100No12/4Vol100No12.pdf

- Deva, B. S., & Jayadi, R. (2022). Analysis of Risk and Information Security in a System Integrator Company Using the Octave Allegro Method (Analisis Risiko dan Keamanan Informasi pada Sebuah Perusahaan System Integrator Menggunakan Metode Octave Allegro). Jurnal Teknologi dan Informasi, 12(2), 1-12. https://doi.org/10.34010/jati.v12i2.6829

- Nurzaman, A. F., & Jayadi, R. Dashboard System for Predicting Student Practicum Performance Using the Data Mining Method. CESS (Journal of Computer Engineering, System and Science), 7(2), 394-406. https://doi.org/10.24114/cess.v7i2.35394

- Aliandy, G. E., & Jayadi, R. (2022). Denial of Service Classification on Message Queueing Telemetry Transport Protocol at Indonesia Oil Services Company. Journal of Theoretical and Applied Information Technology, 100(7), 2289–2299. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128585144&partnerID=40&md5=eeda04dd8b8afb41ce80a894120da538

- Wijaya, M. H., & Jayadi, R. (2022). Factors Analysis Affecting Smart Home Acceptance in Java Island, Indonesia. Journal of Theoretical and Applied Information Technology, 100(19), 5761–5775. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140364980&partnerID=40&md5=f50dffec2bd247b006028803017474de

- Rizmaldi, M. A., & Jayadi, R. (2022). How Remote Working Can Affect Employee Performance Using Scrum in Software Development Companies. Journal of Theoretical and Applied Information Technology, 100(24), 4799–4809. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145366532&partnerID=40&md5=590120981b6337ca865d4802c6254c3b

- Yus, Y., & Jayadi, R. (2022). Factors Affecting the Use of YouTube as a Media Supporting Student Learning Performance. Journal of Theoretical and Applied Information Technology, 100(20), 6009–6019. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141323281&partnerID=40&md5=1ca3586c93186393cb2d3ae13471d904

- Jayadi, R., & Pranata, Y. A. (2022). A Qualitative Study on Addiction and Neuroticism of Instagram Users. Journal of System and Management Sciences, 12(6), 356–378. https://doi.org/10.33168/JSMS.2022.0622 Bimantoro, A. S., & Jayadi, R. (2022). It Governance Measurement Using Cobit 5 for Evaluating It Project Management Aspect: Case Study of Insurance Company. Journal of System and Management Sciences, 12(6), 315–333. https://doi.org/10.33168/JSMS.2022.0620

- Jayadi, R., Indriasari, T. F., Chrisna, C., Fanuel, P. N., & Afita, R. (2022). Predicting the Number of Passengers of MRT Jakarta Based on the Use of the QR-Code Payment Method during the Covid-19 Pandemic Using Long Short-Term Memory. Register: Jurnal Ilmiah Teknologi Sistem Informasi, 8(2), 142–155. https://doi.org/10.26594/register.v8i2.2546

- Fajar, A. N., Jayadi, R., Retnowardhani, A., Halim, J., Robertsion, B., & Dyaz, S. (2022). Agrotechnology Systems Based on Internet of Things. Journal of Theoretical and Applied Information Technology, 100(20), 6215–6225. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141234594&partnerID=40&md5=6a4d4ae944b4ea2301fe2da108f8ea4f

- Jayadi, R. (2022). Implementing Continuous Delivery in a Fintech Company: A Case Study. Journal of Theoretical and Applied Information Technology, 100(22), 6591–6606. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143401670&partnerID=40&md5=db0a0a510c3f40bd1cdac29e47fac52f

- Haloho, A., & Jayadi, R. (2022). The Impact of Factors of Affecting Mobile Commerce User Satisfaction to Improve Customer Engagement. Journal of Theoretical and Applied Information Technology, 100(20), 6130–6149. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141274321&partnerID=40&md5=1b24dc1794ce330fdc48d86776538ba4

Conferences

- Fajar, A. N., Jayadi, R., Retnowardhani, A., Robertson, B., & Halim, J. (2022). Designing of Integration System for IOT Urban Farming: Mobile and Web Application. 9th International Conference on ICT for Smart Society: Recover Together, Recover Stronger and Smarter Smartization, Governance and Collaboration, ICISS 2022 - Proceeding. https://doi.org/10.1109/ICISS55894.2022.9915158

2021

Journal

- Hadju, S. F. N., & Jayadi, R. (2021). Sentiment analysis of Indonesian e-commerce product reviews using support vector machine based term frequency inverse document frequency. Journal of Theoretical and Applied Information Technology, 99(17), 4316–4325. http://www.jatit.org/volumes/Vol99No17/9Vol99No17.pdf

- Indriasari, T. F., & Jayadi, R. (2021). An empirical study of mobile ticketing service adoption in rapid transit: Evidence from Jakarta. Journal of Theoretical and Applied Information Technology, 99(8), 1740–1752. http://www.jatit.org/volumes/Vol99No8/4Vol99No8.pdf

- Fajar, A. N., Jayadi, R., Kaburuan, E. R., Bhudiawan, M., Dewi, A. A. I. K. G., Sebastian, A., & Indriasari, T. F. (2021). Designing of urban farming systems based on internet of things. Journal of Theoretical and Applied Information Technology, 99(15), 3902–3911. http://www.jatit.org/volumes/Vol99No15/17Vol99No15.pdf

- Setiani, D. I., Nasafi, F., Mauritsius, T., Kaburuan, E. R., & Jayadi, R. (2021). Data mining implementation with association method and apriori algorithm for store display design in home center indonesia. ICIC Express Letters, 15(11), 1221–1226. https://doi.org/10.24507/icicel.15.11.1221

- Putra, P., Jayadi, R., & Steven, I. (2021). The Impact of Quality and Price on the Loyalty of Electronic Money Users: Empirical Evidence from Indonesia. Journal of Asian Finance, Economics and Business, 8(3), 1349–1359. https://doi.org/10.13106/jafeb.2021.vol8.no3.1349

- Steven, I., Jayadi, R., & Putra, P. (2021). Factors that affect user's interest in using whatsapp: Evidence from Jakarta metropolitan area. Journal of Theoretical and Applied Information Technology, 99(3), 605–614. http://www.jatit.org/volumes/Vol99No3/5Vol99No3.pdf

- Wirawan, E. Y., & Jayadi, R. (2021). Business study of network provider development in XYZ industry area with NNI modeling (network to network interface) as a stage towards smart industrial park. Journal of Theoretical and Applied Information Technology, 99(6), 1361–1372. http://www.jatit.org/volumes/Vol99No6/11Vol99No6.pdf

- Yuniati, D., & Jayadi, R. (2021). Analysis and design of voice assistant for Indonesian banking transaction. Journal of Theoretical and Applied Information Technology, 99(20), 4808–4823.

http://www.jatit.org/volumes/Vol99No20/13Vol99No20.pdf

Conferences

- Bimantoro, A. S., Jayadi, R., & Legowo, N. (2021). Analysis and design of CRM system for PT. askrindo. Paper presented at the Proceedings of 2021 International Conference on Information Management and Technology, ICIMTech 2021, 148-153. https://doi.org/10.1109/ICIMTech53080.2021.9535040
- Wirawan, E. Y., Jayadi, R., & Ardhyogi, G. (2021). Effectiveness of microducts as alternative to deploying optical cables to support smart infrastructure. Paper presented at the 8th International Conference on ICT for Smart Society: Digital Twin for Smart Society, ICISS 2021 - Proceeding, https://doi.org/10.1109/ICISS53185.2021.9533207
- Zhao, M. A., & Jayadi, R. (2021). Forecasting daily visitors and menu demands in an indonesian chain restaurant using support vector regression machine. Paper presented at the AIMS 2021 - International Conference on Artificial Intelligence and Mechatronics Systems, https://doi.org/10.1109/AIMS52415.2021.9466036

2020

Journal

- Hailemariam, Z. L., Lai, Y.-C., Jayadi, R., Chen, Y.-H., & Huang, S.-C. (2020). A knowledge-based query tree with shortcutting and couple-resolution for RFID tag identification. Computer Communications, 160, 779-789. https://doi.org/10.1016/j.comcom.2020.06.025
- Mufarih, M., Jayadi, R., & Sugandi, Y. (2020). Factors influencing customers to use digital banking application in yogyakarta, indonesia. Journal of Asian Finance, Economics and Business, 7(10), 897-908. https://doi.org/10.13106/jafeb.2020.vol7.no10.897

Conferences

- Mauritsius, T., Alatas, S., Binsar, F., Jayadi, R., & Legowo, N. (2020). Promo abuse modeling in e-commerce using machine learning approach. Paper presented at the 2020 8th International Conference on Orange Technology, ICOT 2020, https://doi.org/10.1109/ICOT51877.2020.9468744
- Miliano, A., Steven, I., Kosim, K. P., Jayadi, R., & Mauritsius, T. (2020). Machine learning-based automated problem categorization in a helpdesk ticketing application. Paper presented at the 2020 8th International Conference on Orange Technology, ICOT 2020, https://doi.org/10.1109/ICOT51877.2020.9468789
- Putra, P., Wijaya, S., Wirahaditenaya, Z. A., Jayadi, R., & Mauritsius, T. (2020). Predicting network bandwidth usage: Case study at PT. bank ABC. Paper presented at the 2020 IEEE

International Conference on Communication, Networks and Satellite, Comnetsat 2020 - Proceedings, 227-233. https://doi.org/10.1109/Comnetsat50391.2020.9328970

2019

Journal

- Jayadi, R., Firmantyo, H. M., Dzaka, M.T.J., Suaidy, M. F., & Putra, A. M. (2019). Employee Performance Prediction using Naïve Bayes. *International Journal of Advanced Trends in Computer Science and Engineering*, *8*, 3031–3035. https://doi.org/10.1016/j.comcom.2020.06.025

Conferences

- Anggraini, N., Kaburuan, E. R., Wang, G., & Jayadi, R. (2019). Usability Study and Users' Perception of Smartwatch: Study on Indonesian Customer. *Procedia Computer Science*, *161*, 1266–1274. https://doi.org/10.1016/j.procs.2019.11.241
- Nurcahyo, A., Wang, G., Kaburuan, E., & Jayadi, R. (2019). Gamification Design for Indonesian On-Demand Staffing Platform. *2019 7th International Conference on Cyber and IT Service Management (CITSM)*, *7*, 1–6. IEEE. https://doi.org/10.1088/1742-6596/1367/1/012013
- Kaburuan, E. R., & Jayadi, R. (2019). A Design of IoT-based Monitoring System for Intelligence Indoor Micro-Climate Horticulture Farming in Indonesia. *Procedia Computer Science*, *157*, 459–464. https://doi.org/10.1016/j.procs.2019.09.001
- Sriratnasari, S. R., Wang, G., Kaburuan, E. R., & Jayadi, R. (2019). Integrated Smart Transportation using IoT at DKI Jakarta. *2019 International Conference on Information Management and Technology (ICIMTech)*, *1*, 531–536. Jakarta: IEEE. https://doi.org/10.1109/ICIMTech.2019.8843747
- Rahyadi, I., Jayadi, R., & Pamungkas, H. (2019). How To Do It? Communication for Managing Cafe in Pekalongan. *ICCD*, *2*(1), 235–238. Jakarta. https://doi.org/10.33068/iccd.Vol2.Iss1.218
- Bernanda, D. Y., Wang, G., Kaburuan, E. R., & Jayadi, R. (2019). Influence of physical and network security on company efficiency using SEM. *Journal of Physics: Conference Series*, *1367*(1), 12013. IOP Publishing. https://doi.org/10.1088/1742-6596/1367/1/012013

2018

Journals

- Jayadi, R., Lai, Y.-C., & Chen, L.-C. (2018). An Interleaved-Sleeping-Listening scheduler for power saving in mobile stations. *Computers and Electrical Engineering*, *67*. https://doi.org/10.1016/j.compeleceng.2018.03.017

Conferences

- Lai, Y.-C., Jayadi, R., Huang, S.-C., & Chen, Y.-H. (2018). Query Tree with Knowledge-based Splitting for RFID Tag Identification. *Proceedings of the 2018 International Conference on Sensors, Signal and Image Processing*, 24–28. https://doi.org/10.1145/3290589.3290592

2017

Journals

- Jayadi, R., Lai, Y.-C., & Lin, C.-C. (2017). Efficient time-oriented anti-collision protocol for RFID tag identification. *Computer Communications*, *112*. https://doi.org/10.1016/j.comcom.2017.08.016

Conferences

- Jayadi, R., & Lai, Y.-C. (2017). Low-overhead multihop device-to-device communications in software defined wireless networks. *Proceedings - 2017 International Conference on Soft Computing, Intelligent System and Information Technology: Building Intelligence Through IOT and Big Data, ICSIIT 2017*. https://doi.org/10.1109/ICSIIT.2017.30

- Jayadi, R., & Lai, Y.-C. (2017). User cooperation in a multi-hop network with multi-interface devices for energy efficiency. *APWiMob 2016 - IEEE Asia Pacific Conference on Wireless and Mobile 2016, Conference Proceedings*. https://doi.org/10.1109/APWiMob.2016.7811450

- Lai, Y. C., Jayadi, R., & Lai, J. N. (2017). A multi-hop relay path selection algorithm considering path channel quality and coordinating with bandwidth allocation. *IOP Conference Series: Materials Science and Engineering*, *273*(1). https://doi.org/10.1088/1757-899X/245/1/012003

- Jayadi, R., & Lai, Y.-C. (2017). Low-Overhead Multihop Device-to-Device Communications in Software Defined Wireless Networks. *2017 International Conference on Soft Computing, Intelligent System and Information Technology (ICSIIT)*, 144–149. IEEE. https://doi.org/10.1109/ICSIIT.2017.30

2016

Conferences

- Jayadi, R. , & Lai, Y.-C. (2016). User cooperation in a multi-hop network with multi-interface devices for energy efficiency. *Wireless and Mobile (APWiMob), 2016 IEEE Asia Pacific Conference On*, 92–98. IEEE. https://doi.org/10.1109/APWiMob.2016.7811450

Industry Projects/ Professional Services

- 2024. Requirment Tracability Matrix. PT. Mandiri Taspen
- 2023. Data Science Summer Youth Program. Ministry of Education and Research Indonesia
- 2023. IT Service Management. Ministry of Foreign Affair Indonesia
- 2023. Apache NiFi. Ministry of Foreign Affair Indonesia
- 2023. Data Visualization. Ministry of Foreign Affair Indonesia
- 2023\ Tableau. Bank Tabungan Negara
- 2023. Data Science. PT. Pegadaian
- 2023. Data Science. Bank CIMB Niaga
- 2023~2022. Data Science. PT. Astra Honda Motor
- 2021. Python for Machine Learning. PT. PLN Indonesia
- 2019. Web Programming Spring Boot Training. PT. Pegadaian
- 2019. Middleware SOA WebMethod Training. Bank Mandiri

Public Services

- 2024 ~ 2021. Assesor of Sistem Pemerintahan Berbasis Elektronik SPBE (E-Goverment). Ministry of State Apparatus Utilization and Bureaucratic Reform, Indonesia
- 2018. Implementation of Android-based Point-of Sale System at Krapyak Lor, Pekalongan, Indonesia

Academic Paper Reviewers

- IEEE Access. 6 Reviews
- Jurnal Manajemen Industri dan Logistik. 6 Reviews

EXPERIENCES

2018 - Now: Lecturer in Bina Nusantara University

I am currently teaching Business Intelligence & Business Analytic; Project & Change Management; Management Information System for Leaders; Cyber & Digital Marketing Communication Strategy; Entrepreneurship: Ideation. My research research in area of Computer --Wired, Wireless, Mobile-- Networking, Data Science, and Management Information System.

2012 – 2018: Research Assistant in High Speed and Wireless Network Lab, Information Management Dept., NTUST, Taiwan

I was researching RFID, energy efficiency, wireless network protocol development, 4G, future 5G, device-to-device, mobile user cooperation, software-defined-network, and OpenFlow under direct advisory of Prof. Yuan Cheng Lai. I also help for preparing several course materials for my advisor on computer networking course and scientific writing course. I also have been working on the academic-industrial collaboration project that belongs to my advisors. Besides of that, I also have several open source projects that I personally develop and maintain in my GitHub account.

Jan 2012 ~ Sep 2012: Programmer in BeenaryLab

It was an incubated startup, founded with my friends, with the product is a shopping cart mobile application that uses QR-Code and NFC for the transaction.

Aug 2010 ~ Jan 2012: Programmer in Arfa Nusantara Technology

I was working for architecting, developing and maintaining multiple software development project on this software house company. These projects are mainly using PHP, MySQL, PostgreSQL, and JQuery.

Sep 2009 – Aug 2010: Programmer in East Java Development Planning Agency

My duties in this jobs were software developer on 3 information systems application that is using Oracle and PHP and one profile website that using Joomla for this region governmental office.

Aug 2008 ~ Sep 2010: Asistant Lecturer of Information System Department, Institut Teknologi Sepuluh Nopember, Surabaya

In the operation system course and database course, my duties involved on checking every task, tests keeper and training students on learning a databases technology and operating system * Lab Admins: I was responsible on installing and maintaining about two hundred computers and maintaining its networks.

Awards

- 2013 ~ 2018: Scholarship of Ph.D. Program (fast-track transfer from Master) in NTUST, Taiwan

- 2012 ~ 2013: Scholarship of Master Program in NTUST, Taiwan
- 2012 : Incubated for 6 months in Telkom Indonesia Startup Incubation Program.
- 2011 : Top five of Mandiri Young Technopreneur Award. A National ICT Technopreneur competition by Mandiri Bank, Jakarta, Indonesia
- 2011 : Top five of Telkom Indigo Fellowship. A national business software application by Telkom, Jakarta, Indonesia

TECHNICAL SKILLS

The following are the technical skills I have and technologies that I have experienced with:

- Machine learning tools: Scikt-learn, Rapidminer, Knime Weka
- Programming: Python, Java, Ruby, PHP, JavaScript, C, C++, Bash/Shell, R
- Network: Network Protocol Development, 4G, LTE, WiMax, RFID, NS3 Network Simulation, CORE Network Emulator, Software-Defined-Network, OpenFlow, CCNA
- AI & Machine Learning: TensorFlow, Theano, Keras, Scikit-Learn
- Python: Pandas, Numpy, SciPy, NetworkX, MatPlotLib, Seaborn, Webapp2, Flask,
- Java: Android, JSP, Spring, Struts, Hibernate
- Ruby: Ruby On Rails, Koala, Scrappy
- PHP: Codeigniter, PHPCake, Kohana
- Javascript: NodeJs, Ext JS, JQuery
- Server/Cloud: OpenStack, Google Cloud, Amazon Web Service, Virtual Private Server, Linux,
- Database: PostgreSQL, MongoDB, Google Cloud SQL, Firebase, MySQL, Microsoft SQL Server, Oracle
- Miscellaneous Technology: Apache Hadoop, Apache NiF, Apache Kafka, Apache Spark, ZeroMQ, Subversion, Git, Jupiter Notebook, LaTex

Languages

- Indonesia (Native)
- English (Sep 2017 ~ TOEFL ITP: Score 560)
- Chinese (Basic)

Links

- Scopus: https://www.scopus.com/authid/detail.uri?authorId=57217056183
- Google scholar: https://scholar.google.com.tw/citations?user=GR1tihAAAAAJ&hl=en

- SINTA: http://sinta.ristekbrin.go.id/authors/detail?id=6691218&view=overview
- OrcID: https://orcid.org/0000-0002-6656-8817
- Publons: https://publons.com/researcher/3859238/riyanto-jayadi/
- Reserchgate: [https://www.researchgate.net/profile/Riyanto-Jayadi) (https://www.researchgate.net/profile/Riyanto-Jayadi]
- Youtube: https://www.youtube.com/channel/UC389YXdc6h7tq4XuNktxQPw
- Linkedin: https://www.linkedin.com/in/riyanto-hoi-jayadi/
- Facebook: https://facebook.com/riyanto.jayadi/
- Github: https://github.com/hoihei