Undergraduate Program

Bachelor of Computer Science in Information Systems

Staff Handbook

Prepared By

**Curriculum Team
Department of Information Systems
Faculty of Intelligent Electrical and Informatic Technology
Institut Teknologi Sepuluh Nopember**

sisfor 2018

Table of Contents

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Prof. Ir. Arif Djunaidy, M.Sc., Ph.D.**		
Position	Professor in the field of Data Engineering and Business Intelligence		
Academic career	1. First Degree (Ir.), Department of Electrical Engineering, ITS Surabaya, In-donesia		1984
	2. Master of Science, Department of Computation, University of Manches-ter, England, U.K.		1988
	3. Doctor of Philosophy, Department of Computation, University of Manches-ter, England, U.K.		1992
Employment	**Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	1986 — present
Research and development projects over the last 5 years	1. Urban Computing: Smart Transportation Systems based on Big Data within Smart City Framework, 3rd year (2020), Funded by Ministry of Education and Culture (IDR 500 Million) 2. E-Commerce Web User Experience Measurement using Stress Level Estimation with Heart Rate Variability, (2020), Funded by ITS (IDR 10Milion) 3. Urban Computing: Smart Transportation Systems based on Big Data within Smart City Framework, 2nd year (2019), Funded by Ministry of Education and Culture (IDR 500 Million) 4. Urban Computing: Smart Transportation Systems based on Big Data within Smart City Framework, 1st year (2018), Funded by Ministry of Education and Culture (IDR 500 Million) 5. Implementation of Work Instructions as a Solution for Handling Critical IT Incident in ITS, (2017), Funded by ITS (IDR 25Milion) 6. Public Transportation Management System toward Surabaya Smart City in 2020, (2017) Funded by ITS (IDR 20Milion) 7. BE-SAFE TRAVEL: Driving via Safe Path in Surabaya, (2016), Funded by ITS (IDR 20Milion) 8. Proposed Information Technology Policy as an Umbrella to Realize ITS in one-hand in a Smart Campus Environment, (2016), Funded by ITS (IDR 20Milion)		
Industry collaborations over the last 5 years	None		
Patents and proprietary rights	None		

Important publications over the last 5 years	1. Sri Herawati, Arif Djunaidy, Implementing Method of Empirical Mode Decomposition based on Artificial Neural Networks and Genetic Algorithms for Crude Oil Price Forecasting, Journal of Physics: Conference Series, 1569 022075, 2020
2. Yuliana Setiowati, Arif Djunaidy, Daniel Siahaan, Pair Extraction of Aspect and Implicit Opinion Word based on its Co-occurrence in Corpus of Bahasa Indonesia, 2019 International Seminar on Research of Information Technology and Intelligent Systems, 2019
3. Sasmi Hiadayatul YT, Arif Djunaidy, Ahmad Muklason, Solving Multi-objective Vehicle Routing Problem Using Hyper-Heuristic Method by Considering Balance of Route Distances, 2019 International Conference on Information and Communications Technology (ICOIACT), June 2019
4. Yudi Priyadi, Arif Djunaidy, Daniel Siahaan, Requirements Dependency Graph Modeling on Software Requirements Specification using Text Analysis, 1st International Conference on Cybernetics and Intelligent System (ICORIS), Bali, August 2019
5. Darma Bagas Wisesa, Arif Djunaidy, Ahmad Muklason, Advanced Traveller Information Systems: Itinerary Optimisation Using Orienteering Problem Model and Great Deluge Iterative Local Search (Case Study: Angkot's Route in Surabaya), International Conference on Applied Engineering (ICAE), 2019
6. Rachmad Fauzi, Arif Djunaidy, Ahmad Muklason, Optimization of City Bus Routes in Surabaya Using Memetic Algorithm as a Solution to Solve Orienteering Problem, 3rd Forum in Research, Science, and Technology (FIRST 2019) International Conference, 2019
7. Eva Hariayanti, Arif Djunaidy, Daniel Siahaan, A Conceptual Model for Information Security Risk Considering Business Process Perspective, 4th International Conference on Science and Technology (ICST), 2018
8. Evi Triandini, Arif Djunaidy, Dainel Siahaan, Mapping Requirement into E-Commerce Adoption Level: A Case Study Indonesia SME's, Proceedings of the 5th Internastional Conference on Information Technology for Cyber and IT Service Management, Bali, 8-10 August 2017
9. F. Mahananto, Arif Djunaidy, Simple Symbolic Dynamic of Heart Rate Variability Identify Patient with Congestive Heart Failure, Procedia Computer Science 124, 197-204, 2017
10. J.S. Wijaya, W. Anggraeni, A. Muklason, F. Mahananto, E. Riksakomara, Arif Djunaidy, Advanced Traveler Information Systems: Itinerary Optimization as an Orienteering Problem Using Iterative Local Search-Hill Climbing Algorithm, Procedia Computer Science 124, 173-180, 2017

	11. Evi Triandini, Arif Djunaidy, A Maturity Model for E-Commerce by Small and Medium Enterprises in Indonesia, *Journal of Electronic Commerce in Organization*, Vol. 15, Issue-1, January-March 2017 12. Fachrian Anugerah, Arif Djunaidy, Improving the Performance of Repeated Character Preprocessing in Recognizing Words in the Indonesian Sentiment Classification, *Journal of Basic and Applied Scientific Research*, 7(9)1-9, 2017 13. Eka Dyar Wahyuni, Arif Djunaidy, Fake Review Detection from a Product Review using Modified Method of iterative Computation Framework, *MATEC Web of Conferences 58, 03003 (2016)* 14. Andi Tenriawaru, Arif Djunaidy, Daniel Siahaan, Mapping Metric Between Meaningful Leaning Characteristics and Moodle Activites, *International Review on Computers and Software (I.RE.CO.S)*, Vol. 11, No. 12, December 2016
Activities in specialist bodies over the last 5 years	1. Institut Teknologi Sepuluh Nopember, Vice Rector for Human Resources, Organization, and Information Technology & Systems, 2015-2019 2. College Entrance Test Institute, Ministry of Education and Culture, Division Head of Information Technology and Systems, 2010 - present 3. Institute of Electrical and Electronics Engineers (IEEE) Computer Society, Member, 1993 – present 4. Association of Computing Machinery (ACM), member, 2002 – present

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Erma Suryani, ST., MT., Ph.D.**	
Position	Associate Professor in the field of Enterprise Systems	
Academic career	**Bachelor's degree** (Electrical Engineering), Faculty of industrial Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 1994.	1994
	Master Engineering (Industrial Engineering), Institut Teknologi Sepuluh Nopember, Indonesia, 2001.	2001
	Ph.D (Industrial Management), National Taiwan University of Science and Technology (NTUST), Taiwan, 2010.	2010
Employment	**Associate Professor** Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2015—now
Research and development projects over the last 5 years	1. Intelligent Transportation Systems to Increase Effectiveness, Efficiency, and Safety in Transportation Systems Through the Use of Model and ICT (2018-2020) (fund IDR 484.95Milion) 2. Development of Smart Agriculture to Increase Supply Chain Value of Agricultural Commodities in Support of Smart City (2018-2020) (fund IDR 475.8Milion) 3. Intelligent Mobility to Increase Mobility, Reliability and Operational Efficiency of Transportation Systems (2018-2019) (fund IDR 250Milion) 4. Model - Driven Decision Support Systems for Strategic Sustainable Development of Food Supply Chain (Case Study: Beef and Soybean) (2015-2017) (fund IDR 453Milion) 5. The Development of Policy Model and Scenarios for Increasing the Utilization of Downstream Crude Palm Oil (CPO) to Improve the National Economy (2015-2016) (fund IDR 200Milion) 6. Model - Driven Decision Support Systems for Planning and Development of Environmentally Friendly Power Systems in Order to Ensure the Sustainability of the Supply and Demand of Electrical Energy in the Archipelago (2015) (fund IDR 300Milion)	
Industry collaborations over the last 5 years	1. Dinas Perhubungan Kota Surabaya 2. Dinas Pertanian Jawa Timur 3. PT. Aneka Tuna 4. PT. PLN Pamekasan	
Patents and proprietary rights	1. Metode dan Sistem Konfigurasi Jaringan Untuk Mengurangi Susut Distribusi Energi Listrik Pada Sambungan Rumah (Registered Patent)	2013
	2. Metode Dan Sistem Pengembangan Infrastruktur Jaringan Distribusi Energi Listrik (Registered Patent)	2014

	3. Copyright: Software Logistics Information Systems (Granted)	2016
	4. Metode Penggunaan Intelligent Mobility untuk Mengurangi Emisi Karbon	2017
	5. Metode Peningkatan Produktivitas Dan Rendemen Tebu Pada Pabrik Gula	2017
	6. Metoda Penggunaan Bagan Warna Daun Sebagai Penentu Dosis Pupuk Susulan Pada Tanaman Padi	2018
	7. Copyright : Aplikasi Mobile Intravtas (Granted)	2018
	8. Metode Penggunaan Perangkat Kontrol Lalu Lintas Adaptif Untuk Mengurangi Jumlah Antrian Kendaraan di Persimpangan (Registered Patent)	2020
	9. Metode Pengaturan Waktu Siklus Pada Alat Pengatur Isyarat Lalu Lintas Untuk Meningkatkan Kecepatan Kendaraan Di Persimpangan (Registered Patent)	2020
	10. Copyright: BUPERDAS (Aplikasi mobile web Budidaya Pertanian Cerdas untuk memfasilitasi informasi pengembangan budidaya pertanian cerdas serta kemitraan industri tani) (Granted)	2020
Important publications over the last 5 years	1. Suryani, E., Hendrawan, R.A , Dewi, L.P., Junaedi, L., A Model to Improve Corn Productivity and Production, Journal of Modelling in Management, 15, 2, 589 – 621, 2020. 2. Suryani, E., Hendrawan, R.A , Adipraja, P.F.E., Indraswari, R., System Dynamics Simulation Model For Urban Transportation Planning: A Case Study, International Journal of Simulation Modelling (IJSIMM), 19, 1, 5-16, 2020. 3. Suryani, E., Hendrawan, R.A , Adipraja, P.F.E., Wibisono, A, Widodo, B., Indraswari, R., Modelling and Simulation of Transportation System Effectiveness to Reduce Traffic Congestion: a System Dynamics Framework, Transportation Planning and Technology, 43, 07, 670–697, 2020. 4. Suryani, E., Hendrawan, R.A, Wibisono, A., Adipraja, P.F.E., Dewi, L.P., Urban Mobility Modeling to Reduce Traffic Congestion in Surabaya: a System Dynamics Framework, Journal of Modelling in Management, DOI : 10.1108/JM2-03-2019-0055, 2020. 5. Suryani, E., Hendrawan, R.A , Fizar, S., Az-Zahra, A., Scenario Model to Reduce Traffic Congestion Using Intelligent Transportation Systems, MATTER: International Journal of Science and Technology, 6, 02, 54-73, 2020. 6. Suryani, E., Hendrawan, R.A, Mukti F.A., Az-Zahra, A., System Dynamics Model to Decrease Congestion Cost Using Transit-Oriented Development, MATTER: International Journal of Science and Technology, 6, 02, 74 - 89, 2020. 7. Suryani, E., Hendrawan, R.A., Fasrter Eka Adipraja, P., Puspa Dewi, L. Congestion Mitigation Scenario through Public Transportation Improvement Open Access. MATEC Web of Conferences, (2018)

8. Ningpramuda, A.D., Sarno, R., Suryani, E., Fauzan, A.C. Dynamic simulation of electricity supply and demand for industry sector in East Java. 3rd International Conference on Science in Information Technology: Theory and Application of IT for Education, Industry and Society in Big Data Era., 2018

9. Suryani, E., Hendrawan, R.A., Muhandhis, I., Dewi, L.P., Dynamic simulation model of crude palm oil supply chain to determine fulfillment ratio and manufacturing efficiency of cooking oil industry. Journal of Engineering and Applied Sciences, 13, 9, 6954-6960, 2018.

10. Suryani, E., Hendrawan, R.A., Taufik, E., Muhandhis, I., Dewi, L.P. , The development of system dynamics model to increase national sugar fulfillment ratio . Journal of Telecommunication, Electronic and Computer Engineering, 10 , 2-3, 91-96, 2018

11. Suryani, E., Hendrawan, R.A., Muhandhis, I., Dewi, L.P., Dynamic simulation model of cow's milk demand and supply to determine the national fulfillment ratio, 2017

12. Quentara, L.T., Suryani, E. , The Development of Photovoltaic Power Plant for Electricity Demand Fulfillment in Remote Regional of Madura Island using System Dynamics Model Open Access, Procedia Computer Science, 2017

13. Suryani, E., Hendrawan, R.A., Muhandhis, I., Dewi, L.P. , Scenario development to improve crude palm oil production and farmers' revenue: A system dynamics framework , Proceedings of International Conference on Data and Software Engineering, ICoDSE 2016

14. Suryani, E., Hendrawan, R., Dewi L.P. , Dynamic Simulation Model of Electricity Energy Demand and Power Plant Capacity Planning in Madura. Jurnal Teknologi, Malaysia, 78, 9, 2016

15. Suryani, E., Hendrawan, R., Muhandhis, I., Dewi L.P. (2016). Dynamic Simulation Model Of Beef Supply Chain To Fulfill National Demand. Jurnal Teknologi, Malaysia, 78, 9, 2016

16. Suryani, E., Hendrawan, R., Muhandhis, I., Dewi L.P., Scenario Development to Improve Crude Palm Oil Production and Farmer's Revenue: a System Dynamics Framework, International Conference on Data and Software Engineering (ICoDSE), 2016

17. Suryani, E., Hendrawan, R., Salama U., Dewi L.P., Agent Based Model to Analyze Consumer Behavior in Consuming the Electricity Energy. Jurnal Teknologi, 72, 4, 35-40, 2015.

18. Suryani, E., Hendrawan, R. A., Mulyono, T., Dewi L.P., System Dynamics Model to Support Rice Production and Distribution for Food Security. Jurnal Teknologi, 68, 3, 45–51, 2014

19. Suryani, E., Vinarti R.A, Pratama, K., Wibowo R. P., Supply Chain Management Implementation for Food Security besides Rice (Cassava) using ERP Software. Information Systems International Conference (ISICO), Bali, Indonesia, 2013

20. Suryani, E., Hendrawan, R.A., Faster, P., Dewi, L. P. , A Simulation Model for Strategic Planning in Asset Management of Electricity

	Distribution Network, 4th International Conference on Soft Computing, Intelligent Systems and Information Technology, ICSIIT, Bali, 2015
	21. Suryani, E., Hendrawan, R.A., Faster, P., Dewi, L. P. , System Dynamics Simulation To Reduce Technical And Non-Technical Losses of Electricity Distribution System, Brunei International Conference on Engineering and Technology, November 1-3, 2014
	22. Suryani, E., Chou, S. Y., Chen, C. H., Dynamic Simulation Model of Air Cargo Demand Forecast and Terminal Capacity Planning, Simulation Modelling Practice and Theory (SIMPAT) – Elsevier, 28, 27–41, 2012
	23. Suryani, E., Chou, S. Y., Hartono R., Chen, C. H. (2010). Demand Scenario Analysis And Planned Capacity Expansion: A System Dynamics Framework, Simulation Modelling Practice and Theory (SIMPAT) – Elsevier, 18, 6, 732–751, 2010
	24. Suryani, E., Chou, S. Y., Chen, C. H. Air Passenger Demand Forecasting And Passenger Terminal Capacity Expansion: A System Dynamics Framework, Expert Systems with Applications (ESWA) – Elsevier, 37, 3, 2324–2339, 2010
Activities in specialist bodies over the last 5 years	1. System Dynamics Society, Member dan International Volunteer 2012 – now.
	2. IEEE, Member 2020 – now
	3. ACM, member 2020 – now

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	Dr. Ir. Aris Tjahyanto, M.Kom.		
Position	Associate Professor in the field of Data Acquisition and Information Dissemination		
Academic career	**Bachelor's degree** (Computer Science and Electrical Engineer), Institut Teknologi Sepuluh Nopember (ITS), Surabaya, 1989		1989
	Master Engineering (Computer), Universitas Indonesia (UI), Jakarta, Indonesia, 1995.		1995
	Ph.D (Computer Science and Electrical Engineering), Institut Teknologi Sepuluh Nopember (ITS), Surabaya, 2015.		2015
Employment	**Associate Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	1990—now
Research and development projects over the last 5 years	1. E-Government As A Service, Based On Microservices Architecture And Hybrid Cloud Model, Ristek Dikti, IDR 120 Million, 2017 2. Pembuatan Sistem Deteksi Dini Berbasis Identifikasi Wajah Individu, Ristek Dikti, IDR 125 Million, 2017		
Industry collaborations over the last 5 years	None		
Patents and proprietary rights	None		Year
Important publications over the last 5 years	1. A. Suwignyo, A. Tjahyanto and F. Samopa, "Accuracy Comparison of UV-filtered Indonesian Banknotes Denomination Recognition Systems," 2019 International Conference on Computer Science, Information Technology, and Electrical Engineering (ICOMITEE), Jember, Indonesia, 2019, pp. 69-73, doi: 10.1109/ICOMITEE.2019.8921098. 2. Ahimsa Denhas Afrizal, Nur Aini Rakhmawati, Aris Tjahyanto, "New Filtering Scheme Based on Term Weighting to Improve Object Based Opinion Mining on Tourism Product Reviews", Procedia Computer Science, Volume 161, 2019, pp 805-812, ISSN 1877-0509 3. Aris Tjahyanto, Bonda Sisephaputra, "The Utilization of Filter on Object-based Opinion Mining in Tourism Product Reviews",		

	Procedia Computer Science,Volume 124,2017,Pages 38-45,ISSN 1877-0509
	4. A. R. Rahardika and A. Tjahyanto, "Global features selection for dynamic signature verification," 2018 International Conference on Information and Communications Technology (ICOIACT), Yogyakarta, 2018, pp. 348-354, doi: 10.1109/ICOIACT.2018.8350736. 5. A Tjahyanto and Hidayat, Nurul and Shahab, Muhammad Luthfi and Adzkiya, Dieky and Nisa, Alvina Khairun, "Individual Recognition System Through Face Identification Using Hidden Markov Model", August 1, 2018. International Conference on Information Technology, Engineering, Science & its Applications 6. H. Suryotrisongko, O. Suryadi, A. F. Mustaqim and A. Tjahyanto, "Classification of Citizen Tweets Using Naive Bayes Classifier for Predictive Public Complaints," 2018 IEEE 3rd International Conference on Communication and Information Systems (ICCIS), Singapore, Singapore, 2018, pp. 177-182, doi: 10.1109/ICOMIS.2018.8644771. 7. R. A. Omar and A. Tjahyanto, "Evaluation of the performance of a machine learning algorithms in Swahili-English emails filtering system relative to Gmail classifier," 2018 International Conference on Information and Communications Technology (ICOIACT), Yogyakarta, 2018, pp. 266-269, doi: 10.1109/ICOIACT.2018.8350713.
Activities in specialist bodies over the last 5 years	1. AISINDO, Member, 2013 – now.

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	Dr.Eng. Febriliyan Samopa, S.Kom., M.Kom.		
Position	Associate Professor in the field of Information Technology and System Infrastructure		
Academic career	**Bachelor's degree,** Department of Informatics, Faculty of Industrial Technology, Institute of Technology Sepuluh Nopember (ITS), Indonesia, 1997.		1997
	Master of Computer Science, Department of Computer Science, Faculty of Computer Science, University of Indonesia, Indonesia, 2012.		2001
	Docor of Engineering, Department of Information Engineering, Graduate School of Engineering, Hiroshima University, Japan, 2009.		2009
Employment	**Associate Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	1998—now
Research and development projects over the last 5 years	1. Implementation of Smart Energy on Public Road Lightings (2020) (fund IDR 21.2 Milions) 2. Risk Analysis and Control Recommedation for ITS Information Infrastructure and Security based on ISO/IEC 27001:2013 (2019) (fund IDR 25 Milions) 3. IT Policy Proposal as Umbrella Plocy for Implementing "ITS in One Hand" in ITS Smart Campus Environment (2016) (fund IDR 25 Milions)		
Industry collaborations over the last 5 years	1. Surabaya Regional General Hospital Bhakti Dharma Husada (RSUD BDH Surabaya), Design and Development of IS/IT Master Plan, 2020. 2. Institution of University Entrance Exams (LTMPT), Design and Development of Web Based Registration Application, 2010-2020. 3. Surabaya Regional General Hospital Dr. Mohamad Soewandhie (RSUD Dr. M. Soewandhie Surabaya), Design and Development of IS/IT MasterPlan , 2018. 4. Surabaya City Information and Communication Office (Dinkominfo Surabaya), Design and Development of Network Infrastructure Master Plan, 2018. 5. PT. PLN Transmisi Jawa Bagian Timur dan Bali (PT. PLN T-JBTB), Building Design for Servers Room, 2017.		
Patents and proprietary rights	None		-

Important publications over the last 5 years	1. Radityo Prasetianto Wibowo, Wiwik Anggraeni, Tresnaning Arifiyah, Edwin Riksakomara, Febriliyan Samopa, Pujiadi Pujiadi, Siti Aminatus Zehroh, Nur Aini Lestari, "Business Intelligence Development in Distributed Information Systems to Visualized Predicting and Give Recommendation for Handling Dengue Hemorrhagic Fever", Journal of Information Systems Engineering and Business Intelligence, Vol. 6, No. 1, pp.55-69, 2020. 2. A. Suwignyo, A. Tjahyanto, F. Samopa, "Accuracy Comparison of UV-filtered Indonesian Banknotes Denomination Recognition Systems", Proceedings of 2019 International Conference on Computer Science, Information Technology, and Electrical Engineering (ICOMITEE), pp.69-73, 2019. 3. YT Kusumonegoro, F Samopa, "User Access Rights Recommendation using Modified Fuzzy C-Means in Role Mining of an Indonesian Core Banking System", Proceedings of 2019 12th International Conference on Information & Communication Technology (ICTS), pp.241-245, 2019. 4. Wiwik Anggraeni, Graha Pramudita, Edwin Riksakomara, PW Radityo, Febriliyan Samopa, Renny Sari Dewi, "Artificial Neural Network for Health Data Forecasting, Case Study: Number of Dengue Hemorrhagic Fever Cases in Malang Regency, Indonesia", Proceedings of 2018 International Conference on Electrical Engineering and Computer Science (ICECOS), pp.207-212, 2018. 5. Wiwik Anggraeni, Rafika Nurmasari, Edwin Riksakomara, Febriliyan Samopa, Radityo Prasetyanto Wibowo, Lulus Condro, "Modified Regression Approach for Predicting Number of Dengue Fever Incidents in Malang Indonesia", Procedia Computer Science 124, pp.142-150. 2017. 6. Febriliyan Samopa, Hanim Maria Astuti, Mahesti Ayu Lestari, "The Development of Work Instruction as a Solution to Handle IT Critical Incidents in Units within an Organization", Procedia Computer Science 124, pp.593-600. 2017. 7. Nur Aini Rakhmawati, Valliant Ferlyando, Febriliyan Samopa, Hanim Maria Astuti, A Performance Evaluation for Assessing Registered Websites, Procedia Computer Science 124, pp.714-720. 2017.
Activities in specialist bodies over the last 5 years	1. ISACA, Academic Advocate, since 2013. 2. AIS, member, since 2013. 3. ACM, member, since 2013. 4. IEEE, member, since 2013

Name	**Mahendrawathi ER, ST., M.Sc., Ph.D.**	
Position	Associate Professor in the field of Enterprise Systems	
Academic career	**Bachelor's degree** (Industrial Engineering), Faculty of Industrial Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 1999.	1999
	Master of Science (Manufacturing Engineering and Operations Management), University of Nottingham, U.K., 2000.	2000
	Ph.D (Manufacturing Engineering and Operations Management), University of Nottingham, U.K., 2004.	2004
Employment	**Associate Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2006 — now
Research and development projects over the last 5 years	1. Lead (Overseas) applicant, Gender-specific risks and responses to labor exploitation in textile supply chains: The challenge of transferability, Global Challenges Research Fund Networking Grant Scheme, Academy of Medical Sciences, September 2019 – August 2020. (Fund: £24,225) 2. Lead researcher, Framework for Business Process Management Implementation in Indonesia, Competency Research Funding, Ministry of Research Technology and Higher Education, February 2016 – 2018. (Fund: Rp 275,100,000) 3. Lead researcher, Framework for Process Mining Implementation to Analyze and Evaluate ERP-Based Business Process, Laboratory Research Funding, ITS, April 2014 – November 2015. (Fund: Rp 112,000,000) 4. Researcher, Supply Chain Assessment for Indonesia Logistic Service Provider, Automotive and Garment Sectors in Preparation for ASEAN Economic Community (AEC) Participation, International Joint Research, ITS, May – November 2013. 5. Project Leader, Design and Development of Organic Health Services Information Systems (OHIS), Third Batch Joint Research PREDICT-ITS, Principal Investigator, August 2008 – July 2009. ¥300,000	
Industry collaborations over the last 5 years	None	
Patents and proprietary rights	Tittle	Year

Important publications over the last 5 years	1. ER, M., Hanggara, B.T., Astuti, HM. (2019), Model for BPM implementation assessment: evidence from companies in Indonesia, Business Process Management Journal, Vol. 25 No. 5, pp. 825-859.
	2. ER, Mahendrawathi, Arsad, N., Astuti, H.M., Kusumawardani, R. P., Utami, R. A. (2018) "Analysis of production planning in a global manufacturing company with process mining", Journal of Enterprise Information Management, Vol. 31 Issue: 2, pp.317-337.
	3. Huddiniah, E.R., ER, Mahendrawathi (2019), Product Variety, Supply Chain Complexity and the Needs for Information Technology: A Framework Based on Literature Review, Operations and Supply Chain Management: an International Journal, Vol. 12, No. 4, pp. 245 – 255.
	4. Dewi, F., and ER, Mahendrawathi, Business Process Maturity Level of MSMEs in East Java Indonesia, Procedia Computer Science, Vol. 161, 2019, pp. 1098-1105.
	5. Nurmadewi, D., and ER, Mahendrawathi, Analyzing Linkage Between Business Process Management (BPM) Capability and Information Technology: A Case Study in Garment SMEs, Procedia Computer Science, Vol. 161, 2019, pp. 935-942.
	6. ER, Mahendrawathi, Zayin, S. O., Pamungkas, F.J., ERP Post Implementation Review with Process Mining: A Case of Procurement Process, Procedia Computer Science, Vol. 124, pp. 216-223, 2017.
	7. ER, Mahendrawathi, Chumairoh, D., Business Process Analysis and Potential Information Technology Implementation: a Case Study in Engineer-To-Order Company, Proceedings of The 8th Operations and Supply Chain Management Conference, Cranfield, United Kingdom, September 2018.
	8. Priyambada, S. A., ER, Mahendrawathi, Yahya, B. N., Curriculum Assessment of Higher Educational Institution Using Aggregate Profile Clustering, Procedia Computer Science, Vol. 124, pp. 264-273, 2017.
	9. ER, Mahendrawathi, Astuti, H.M., Nastiti, Ayu, Analysis of Customer Fulfilment Business Process in Telco Industry with Process Mining, Procedia Computer Science, Vol. 72, pp. 588 – 596, 2015.
	10. ER, Mahendrawathi, Astuti, H.M., Wardhani, I. R. K., Material Movement Analysis for Warehouse Business Process Improvement with Process Mining: A Case Study, Lecture Notes in Business Information Processing, Proceedings of Third Asia Pacific Conference AP-BPM 2015, pp. 115 – 127, Busan, South Korea, June 24 -26, 2015.
Activities in specialist bodies over the last 5 years	None

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Nur Aini Rakhmawati, S.Kom., M.Sc.Eng., Ph.D**		
Position	Associate Professor in the field of Data Acquisition and Information Dissemination		
Academic career	**Bachelor's degree** (Informatics), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 2004.		2004
	Master Engineering (Electronic Engineering), National Taiwan University of Science and Technology, 2008.		2008
	Ph.D (Informatics, National University of Ireland, Galway, 2017.		2017
Employment	**Assistant Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2005—now
Research and development projects over the last 5 years	1. Linked Open Data Halal 2019 (3800 USD) 2. Indonesia Open Government Data 2018 (3800 USD) 3. Socialization and Education of EGovBench to Improve Local Government Metrics Website (PEMDA) in Indonesia In Order to Support Presidential Instruction No.3 Year 2003 About E-Government Strategy & Development 2017 (3800 USD)		
Industry collaborations over the last 5 years	None		
Patents and proprietary rights	Tittle		Year
Important publications over the last 5 years	1. Rakhmawati, N. A., Fatawi, J., Najib, A. C., & Firmansyah, A. A. (2019). Linked open data for halal food products. *Journal of King Saud University-Computer and Information Sciences*. 2. Pratama, P. G., & Rakhmawati, N. A. (2019). Social Bot Detection on 2019 Indonesia President Candidate's Supporter's Tweets. *Procedia Computer Science*, *161*, 813-820. 3. Irsyad, A., & Rakhmawati, N. A. (2020). Community detection in twitter based on tweets similarities in indonesian using cosine similarity and louvain algorithms. *Register: Jurnal Ilmiah Teknologi Sistem Informasi*, *6*(1), 22-31. 4. Hafidz, I., Kautsar, A. R., Valianta, T., & Rakhmawati, N. A. (2017). Teenstagram TimeFrame: A Visualization for Instagram Time Dataset from Teen Users (Case Study in Surabaya, Indonesia). *Procedia Computer Science*, *124*, 100-107.		

	5. Kurniawan, F., Rakhmawati, N. A., Zuhri, M., & Sugiyanto, W. T. (2017). Indonesia local government information completeness on the web. *Procedia Computer Science*, *124*, 21-28.
Activities in specialist bodies over the last 5 years	1. AISINDO, Member, 2013 – 2019. 2. ACCI, Member, 2018-2019 3. IEEE Member 2020

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	Sholiq, S.T., M.Kom.	
Position	Associate Professor in the field of Information Systems Management	
Academic career	**Bachelor's degree** (Mechanical Engineering), Faculty of Industrial Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 1995.	Year 1995
	Master Engineering (Informatics), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 2004.	2004
	Doctoral (Computer Science), Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember, Indonesia, Now.	Now
Employment	**Associate Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2009—now
Research and development projects over the last 5 years	1. Making the BPM-COCOMO II Application: A New Variant of the Original COCOMO II Modified with Input from Business Process Modeling (2018-2019) 2. OpenOWESCO (Open OWner EStimate COst) Design: Owner estimate cost Software for Software Projects (2017-2018). 3. Creating a Framework for Owner Estimate Cost for Large-Scale Software Projects by Integrating Use Case Points and Activity Based Costing (2017-2018). 4. Development of A Framework for Owner Estimate Cost Determination for A Government Software Development Project with A Modified Use Case Points Approach (2016-2017)	
Industry collaborations over the last 5 years	None	
Patents and proprietary rights	Tittle 1. OE Worksheet: Owner Estimate Cost Worksheet for Software Project. 2. A computer program to calculate the price of software using Function Points.	Year 2020 2019
Important publications over the last 5 years	1. Sholiq., Subriadi, A. P., Muqtadiroh, F. A., & Dewi, R. S. (2019). A model of owner estimate cost for software development project in Indonesia. Journal of Software: Evolution and Process, 31(10), e2175.	

	2. Sholiq, S., Sarno, R., Tjahyanto, A., & Wulandari, A. D. (2019, October). Workflow Complexity in Constructive Cost Model II. In 2019 3rd International Conference on Informatics and Computational Sciences (ICICoS) (pp. 1-6). IEEE.
	3. Sholiq, S., Hutomo, P. S., Wulandari, A. D., Subriadi, A. P., Herdiyanti, A., & Darmaningrat, E. W. T. (2019, October). Testing of Owner Estimate Cost Model with Android-based Application. In 2019 3rd International Conference on Informatics and Computational Sciences (ICICoS) (pp. 1-6). IEEE.
	4. Langsari, K., Sarno, R., & Sholiq. (2018). Optimizing Time and Effort Parameters of COCOMO II Using Fuzzy Multi-Objective Particle Swarm Optimization. Telkomnika, 16(5).
	5. Langsari, K., & Sarno, R., & Sholiq (2018). Optimizing Effort Parameter of COCOMO II Using Particle Swarm Optimization Method. Telkomnika, 16(5), 2208-2216.
	6. Sholiq., Widodo, A. P., Sutanto, T., & Subriadi, A. P. (2018, November). Effort Distribution per Activities for Small Software Development Project Uses Prototype Model. In 2018 International Seminar on Research of Information Technology and Intelligent Systems (ISRITI) (pp. 186-191). IEEE.
	7. Sholiq., Dewangga, D. A., Subriadi, A. P., & Muqtadiroh, F. A. (2018, November). Quality Measurement of Software Based on Characteristics of Functionality, Reliability, and Maintainability. In 2018 International Seminar on Research of Information Technology and Intelligent Systems (ISRITI) (pp. 192-197). IEEE.
	8. Dewi, R. S., Subriadi, A. P., & Sholiq (2017). A modification complexity factor in function points method for software cost estimation towards public service application. Procedia Computer Science, 124, 415-422.
	9. Sholiq., Widodo, A. P., Sutanto, T., & Subriadi, A. P. (2016). A Model to Determine Cost Estimation for Software Development Projects of Small and Medium Scales Using Use Case Points. Journal of Theoretical & Applied Information Technology, 85(1).
Activities in specialist bodies over the last 5 years	None

Name	**Wiwik Anggraeni, S.Si., M.Kom.**		
Position	Associate Professor in the field of Operation Research, Scientific Writing, Forecasting Techniques, Statistics		
Academic career	**Bachelors degree** (Mathematics), Institut Teknologi Sepuluh Nopember, Indonesia.		1997
	Master Engineering (Informatics), Institut Teknologi Sepuluh Nopember, Indonesia.		2003
Employment	**Associate Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2002—now
Research and development projects over the last 5 years	1. Design of a Multiplatform Dashboard Prototype for Visualization, Mapping, and Prediction of Disease Spread (2018) 2. Design of Geographic Information System Applications for Mapping the Spread of Diseases in Java Using Hybridization of Krigging and Fuzzy Rule Methods for Mitigation of Outbreaks of a Disease (2017) 3. Price Forecasting and Development of Strategic Commodity Dashboards to Support Food Price Stability in Indonesia (2017) 4. Strategies to Increase Acceptance of the Use of SHAREITS by Lecturers in Support of Strategy 6 "ITS Information and Knowledge Systems" (Advanced Research) (2017)		
Industry collaborations over the last 5 years	None		
Patents and proprietary rights	None		Year
Important publications over the last 5 years	1. A Setiyoutami, W Anggraeni, D Purwitasari, E M Yuniarno, M H Purnomo, Extracting Temporal-Based Spatial Features in Imbalanced Data for Predicting Dengue Virus Transmission, Advances in Intelligent System and Computing, 1158, pp. 731-742, 2021 2. W Anggraeni, S Sumpeno, E M Yuniarno, A B Gumelar, M H Purnomo, Prediction of Dengue Fever Outbreak Based on Climate Factors Using Fuzzy-Logistic Regression, Proceedings – 2020 International Seminar on Intelligent Technology and Its Application: Humanification of Reliable Intelligent Systems, ISITIA 2020, pp. 199-204, 9163708, 2020		

	3. D B Wisesa, A Djunaidy, A Muklason, W Anggraeni, Y T Sasmi Hidayatul, Advanced Traveller Information Systems: Itenerary Optimisation Using Orienteering Problem Model and Great Deluge Iterative Local Search (Case Study: Angkot's Route in Surabaya), Proceedings of the 2019 2nd International Conference on Applied Engineering ICAE 2019, 9221716, 2019,
	4. W Anggraeni, D Nandika, F Mahananto, Y Sudiarti, C A Fadhilla, Diphtheria Case Number Forecasting using Radial Basis Function Neural Network, ICICOS 2019 – 3rd International Conference on Informatics and Computational Sciences: Accelerating Informatics and Computational Research for Smarter Society in The Era of Industry 4.0, Proceedings, 8982403, 2019
	5. R P Wibowo, W Anggraeni, T Arifiyah, E Riksakomara, F Samopa, P Pujiadi, S A Zehroh, N A Lestari, Business Intelligence Development in Distributed Information Systems to Visualized Predicting and Give Recommendation for Handling Dengue Hemorrhagic Fever, Journal of Information Systems Engineering and Business Intelligence, pp. 55-69, 2020
Activities in specialist bodies over the last 5 years	None

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	Ir. Achmad Holil Noor Ali, M.Kom.		
Position	Assistant Professor in the field of Information Systems Management		
Academic career	**Master of Computing** (Information Technology), Universitas Indonesia, Indonesia, 2002.		2002
	Bachelor's degree (Computer Engineering), Institut Teknologi Sepuluh Nopember, Indonesia, 1991.		1991
Employment	**Assistant Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	1992—now
Research and development projects over the last 5 years	1. Developing Guidelines for Professional Certification Competency Test: An Assessment Modules of Project Management Testing Scheme (2019-2020) (Fund IDR 45Million) 2. The Implementation of YUBLAJAR Software for SMPN 1 to Support Digital Academic Process (2018) (Fund IDR 50Million) 3. The Implementation of SMALL-ERP Systems for MSME Sector: A Case Study of Sea-Shell Products at Kedung Cowek, Surabaya (Fund IDR 20Million)		
Industry collaborations over the last 5 years	1. PTPN XI (2016-2017) 2. PT NUSANTARA SEBELAS MEDIKA (2016) 3. PTPN X (2012-2014)		
Patents and proprietary rights	None		-
Important publications over the last 5 years	1. Sulistiyani, E., Ali, A. H. N., & Astuti, H. M., Change Management Strategies to Implement A Fingerprint Based Attendance System in Information Systems Department Using ADKAR Model, Applied Technology and Computing Science Journal 3(1), 2020, 22–29. 2. A H N Ali, E W T Darmaningrat, D D Winardi, Change Management Strategies of E-Learning Adoption In Secondary Schools: A Case Study of Public Junior High Schools in Surabaya, Proceedings of the 2018 2nd International Conference on Education and E-Learning, 2018, Pages 140-145. 3. Ali, A. H. N., Darmaningrat, E. W. T., & Anundra, R. N., Identifikasi Aktivitas Manajemen Perubahan Organisasi pada Implementasi ERP di PT Perkebunan Nusantara XI Menggunakan Model ADKAR, IPTEK Journal of Proceedings Series (2), 2018.		

	4. L M Erlirianto, A H N Ali, A Herdiyanti, The Implementation of the Human, Organization, and Technology–Fit (HOT–Fit) Framework to Evaluate the Electronic Medical Record (EMR) System in a Hospital, Procedia Computer Science, Volume 72, 2015, Pages 580-587. 5. T P Silitonga, A H N Ali, Incident Management Systems for IT Helpdesk : A Case Study at The IT Unit of Financial Audit Agency, Seminar Nasional Informatika (SEMNASIF) 1 (5), 2015
Activities in specialist bodies over the last 5 years	1. Badan Inovasi dan Bisnis Ventura, Technology Innovation Center Coordinator, 2016 – 2019.

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Ahmad Muklason, S.Kom., M.Sc., Ph.D.**	
Position	Assistant Professor in the field of Data Engineering and Business Intelligence	
Academic career	**Bachelor of Computer Science** (Information Systems), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia.	2006
	Master of Science (Information Technology), Computer and Information Sciences Department, Universiti Teknologi Petronas, Malaysia.	2009
	Ph.D (Information Technology), School of Computer Science, The University of Nottingham, United Kingdom.	2017
Employment	**Assistant Professor** — Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember, 2009 – Present	2009 - Now
	Teaching Assistant — School of Computer Science, The University of Nottingham, 2012 – 2017	2012-2017
	Graduate Assistant — Computer and Information Sciences Department, Universiti Teknologi Petronas	2007-2009
	Software Engineer — Research and Development Centre, Samsung Electronics Indonesia	2006-2007
Research and development projects over the last 5 years	1. Urban Computing: Big data-driven Intelligent Transportation System within the smart city framework, RistekBRIN Higher Education Research of Excellence Grant, 2018-2020, (Funding: IDR 500.000.000) 2. Study of Hyper-heuristics based on Simulated Annealing, Tabu Search, and Self-Adaptive Algorithm for Solving University Course Timetabling Problem, RistekBRIN Magister Thesis Research Grant, 2020, (Funding: IDR 37.400.000) 3. Study of Model for Traveling Salesman Problem & Vehicle Routing Problem and Hyper-heuristics based generic algorithm for Solving Public Transport Operation and Scheduling Optimisation Problem in Surabaya within The Intelligent Transportation Systems Framework , ITS Excellence Basic Science Research Grant 2020, (Funding: IDR 100.000.000) 4. Study of Model and Hyper-heuristics based generic algorithm for Solving Academic Timetabling and Planning Optimization Problem, ITS New Doctor Research Grant 2020, (Funding: IDR 50.000.000)	

Industry collaborations over the last 5 years	1. Development of Mobile App For Monitoring Supply Chain, Surabaya City Trade Office	
Patents and proprietary rights	Title	Year
Important publications over the last 5 years	1. Firdausi, F.R., Djunaidy, A., Muklason, A., Optimization of City Bus Routes in Surabaya Using Memetic Algorithm as a Solution to Solve Orienteering Problem, Journal of Physics: Conference Series, 2020 2. Aulia, B.U., Muklason, A., Santoso, E.B., Farikha, N., Evaluation of slum potential settlement data collection system toward Surabaya smart government (case study: Keputih Sub District), IOP Conference Series: Earth and Environmental Science, 2019. 3. Sasmi Hidayatul, Y.T., Djunaidy, A., Muklason, A., Solving multi-objective vehicle routing problem using hyper-heuristic method by considering balance of route distances,2019 International Conference on Information and Communications Technology, ICOIACT 2019, 2019 4. Kusumawardani, D., Muklason, A., Supoyo, V.A.,Examination timetabling automation and optimization using greedy-simulated annealing hyper-heuristics algorithm, Proceedings of 2019 International Conference on Information and Communication Technology and Systems, ICTS 2019, 2019 5. Muklason, A., Bwananesia, P.C., Sasmi Hidayatul, Y.T., Angresti, N.D., Supoyo, V.A., Automated Examination Timetabling Optimization Using Greedy-Late Acceptance-Hyperheuristic Algorithmm, Proceedings of 2018 International Conference on Electrical Engineering and Computer Science, ICECOS 2018, 2018 6. Muklason, A., Irianti, R.G., Marom, A.,Automated course timetabling optimization using tabu-variable neighborhood search based hyper-heuristic algorithm, Procedia Computer Science, 2019. 7. Muklason, A., Syahrani, G.B., Marom, A., Great deluge based hyper-heuristics for solving real-world university examination timetabling problem: New data set and approach, Procedia Computer Science, 2019. 8. Yoga, I.W.A.K., Djunaidy, A., Anggraeni, W., Muklason, A., Sasmi, H.Y.T., Supoyo, V.A., Advanced Traveler Information Systems: Itinerary Optimisation Using Orienteering Problem Model and Genetic Algorithm, 2018 International Conference on Information Technology Systems and Innovation, ICITSI 2018 - Proceedings, 2018 9. Muklason, A., Parkes, A.J., Özcan, E., McCollum, B., McMullan, P., Fairness in examination timetabling: Student preferences and extended formulations, Applied Soft Computing Journal, 2017	

	10. Wijaya, J.S., Anggraeni, W., Muklason, A., Riksakomara, E., Djunaidy, A., Advanced Traveler Information System: Itinerary Optimization as an Orienteering Problem Using Iterative Local Search-Hill Climbing Algorithm, Procedia Computer Science, 2017
Activities in specialist bodies over the last 5 years	None

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Amalia Utamima, S.Kom., MBA.**	
Position	Assistant Professor in the field of Data Engineering and Business Intelligence	
Academic career	**Bachelor of Computing** (S.Kom), Informatics Engineering, Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 2009.	2009
	Master of Business Administration (MBA), Industrial Management, National Taiwan University of Science and Technology, Taiwan, 2012.	2012
	Doctor of Philosophy (Ph.D), Information Systems, Curtin University, Australia, January 2021.	2021
Employment	**Lecturer** Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2009—now
Research and development projects over the last 5 years	1. Optimisation of agricultural routing planning in field logistics with Evolutionary Hybrid Neighbourhood Search Be-safe travel-Berkendara melalui Safe Path di Surabaya (2016) (fund IDR 25Milion)	
Industry collaborations over the last 5 years	None	
Patents and proprietary rights	None	Year
Important publications over the last 5 years	1. Utamima, A., Reiners, T., & Ansaripoor, A. H. (2020). Automation in Agriculture: A Case Study of Route Planning Using an Evolutionary Lovebird Algorithm. Proceedings of the 2020 12th International Conference on Computer and Automation Engineering, 13–17. https://doi.org/10.1145/3384613.3384621. 2. Utamima, A., Reiners, T., & Ansaripoor, A. H. (2019). Optimisation of agricultural routing planning in field logistics with Evolutionary Hybrid Neighbourhood Search. Biosystems Engineering, 184, 166–180. https://doi.org/10.1016/j.biosystemseng.2019.06.001F. 3. Utamima, A., Reiners, T., & Ansaripoor, A. H. (2019). Decision making for Farmers: A case study of Agricultural Routing Planning. Australasian Conference on Information Systems 2019.	

	4. Utamima, A., Reiners, T., & Ansaripoor, A. H. (2019). Evolutionary Estimation of Distribution Algorithm for Agricultural Routing Planning in Field Logistics. Procedia Computer Science, 161, 560–567. https://doi.org/10.1016/j.procs.2019.11.156. 5. Utamima, A., & Djunaidy, A. (2017). Be-safe travel, a web-based geographic application to explore safe-route in an area. AIP Conference Proceedings, 1867, 020023. https://doi.org/10.1063/1.4994426 6. Adrian, A. M., Utamima, A., & Wang, K. J. (2015). A comparative study of GA, PSO and ACO for solving construction site layout optimization. KSCE Journal of Civil Engineering, 19(3). https://doi.org/10.1007/s12205-013-1467-6
Activities in specialist bodies over the last 5 years	None

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	Andre Parvian Aristio, S.Kom., M.Sc.	
Position	Assistant Professor in the field of Enterprise Systems	
Academic career	**Bachelor's degree** (Information Systems), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 2009.	2008
	Master Engineering (Logistics Information Technology), Pusan National University, Korea, 2012.	2012
Employment	**Assistant Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2013—now
Research and development projects over the last 5 years	1. Analisis Intensi Perilaku untuk Mengadopsi dan Merekomendasikan Aplikasi Mobile Payment dengan Metode Structural Equation Modelling (2019)(fund IDR 10Milion) 2. Evaluasi Penerapan Modul Plant Maintenance pada ERP untuk Proses Pemeliharaan dengan Metode Analisis Event Log (Studi Kasus PT. Freeport Indonesia)(2019)(fund IDR 30Milion) 3. Pembuatan Website dan Sistem Informasi Pembayaran SPP sebagai Pendukung Kompetitif dan Eksistensi Madrasah Aliyah Abadiyah Gabus-Pati (2018) (fund IDR 5Milion)	
Industry collaborations over the last 5 years	None	
Patents and proprietary rights	Tittle	Year
Important publications over the last 5 years	1. Mudjahidin, Lukman Junaedi, Andre Parvian Aristio, Yudha Andrian Saputra, Influence of Inventory Changes to Bullwhip Effect on Private Industrial Network, Procedia Computer Science 161, 959-967, 2019. 2. Andre Parvian Aristio, S. Supardi, Rully Agus Hendrawan, Alifiansyah Arrizqy Hidayat, Analysis on Purchase Intention of Indonesian Backpacker in Accommodation Booking through Online Travel Agent, Procedia Computer Science 161, 885-893, 2019. 3. Mudjahidin, Rully Agus Hendrawan, Andre Parvian Aristio, Joko Lianto Buliali, Muhammad Nur Yuniarto, Testing Methods on System Dynamics: A Model of Reliability, Average Reliability,	

	and Demand of Service, Procedia Computer Science 161, 968-975, 2019.
Activities in specialist bodies over the last 5 years	1. Komite Ekonomi dan Industri Nasional (KEIN) RI – Anggota Pokja Industri Pedesaan-(2016-2019) 2. Komisi Nasional Pendidikan Jawa Timur - Wakil Sekretaris-(2021-2026)

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Anisah Herdiyanti, S.Kom., M.Sc.**		
Position	Assistant Professor in the field of Information Systems Management		
Academic career	**Master of Science** (Engineering and Policy Analysis), Faculty of Technology, Policy and Management, Delft University of Technology, The Netherlands, 2010-2012.		2012
	Bachelor's degree (Information Systems), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 2004-2008.		2008
Employment	**Assistant Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2008—now
Research and development projects over the last 5 years	1. A Framework to Assess Smart Governance and Smart Society based on Digital Technology for Local Governments of Indonesia (2020) (fund IDR 20Million) 2. A Framework to Assess the Value of IT Services by Applying Value Engineering Approach (2018-2019) (fund IDR 100Million) 3. A Framework to Assess the Benefits of IT Services from the Perspective of Service Providers and Consumers (2016-2017) (fund IDR 75Million)		
Industry collaborations over the last 5 years	PT. Tatacipta Teknologi Indonesia. IT Governance Research on Developing IT Masterplan for Local Governments of Indonesia (2018-2020)		
Patents and proprietary rights	None		-
Important publications over the last 5 years	1. A Herdiyanti, P S Hapsari, T D Susanto, Modelling the Smart Governance Performance to Support Smart City Program in Indonesia, Procedia Computer Science Volume 161, Pages 367-377, 2019. 2. A Herdiyanti, N R Listyawati, H M Astuti, Understanding the Total Value of Information Technology Services from the Perspective of Students and Academic Staffs, Procedia Computer Science, Volume 124, Pages 429-436, 2017. 3. A Herdiyanti, A N Adityaputri, H M Astuti, Understanding the Quality Gap of Information Technology Services from the Perspective of Service Provider and Consumer, Procedia Computer Science, Volume 124, Pages 601-607, 2017.		

	4. E R Mahendrawathi, T Wasusri, H M Astuti, A Herdiyanti, The Service Quality of Indonesia's Logistic Provider in Preparation for ASEAN Economic Community, Lecture Notes in Electrical Engineering (LNEE) – Industrial Engineering, Management Science and Applications, Pages 647-656, 2015.
	5. L M Erlirianto, A H N Ali, A Herdiyanti, The Implementation of the Human, Organization, and Technology–Fit (HOT–Fit) Framework to Evaluate the Electronic Medical Record (EMR) System in a Hospital, Procedia Computer Science, Volume 72, Pages 580-587, 2015.
Activities in specialist bodies over the last 5 years	1. Project Management Institute – Surabaya Branch (PMI), Treasurer, 2017-2020.
	2. Association for Information Systems – Ind. Chapter (AISINDO), Director of Training and Certification Committee, 2014 – 2020.
	3. Smart City Board of Madiun City, Member, 2019-2020.

Name	**Dr. Apol Pribadi Subriadi, S.T., M.T.**	
Position	Assistant Professor in the field of Information Systems Management	
Academic career	**Bachelor's degree** (Electrical Engineering), Faculty of Industrila Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 1994	1994
	Master Engineering (Industrial Engineering), Institut Teknologi Sepuluh Nopember, Indonesia 2000.	2000
	Dr. (Management Science), Brawijaya University, Indonesia, 2013.	2013
Employment	**Assistant Professor** Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2008—now
Research and development projects over the last 5 years	1. Pembuatan Aplikasi BPM-COCOMO II: Sebuah Varian Baru Hasil Modifikasi COCOMO II Original dengan Masukan Business Process Modeling (2020) (fund IDR 149 Million) 2. URBAN COMPUTING: SISTEM TRANSPORTASI CERDAS BERBASIS BIG DATA DALAM FRAMEWORK SMART CITY (2020) (fund IDR 149 Million) 3. Rancang Bangun OpenOWESCO (Open OWner EStimate COst): Software Penentuan Harga Perkiraaan Sendiri untuk Proyek Perangkat Lunak (2019) (fund IDR 195,765 Million) 4. Pembuatan Aplikasi BPM-COCOMO II: Sebuah Varian Baru Hasil Modifikasi COCOMO II Original dengan Masukan Business Process Modeling, (2019), (fund IDR 211,285 Million)	
Industry collaborations over the last 5 years	None	
Patents and proprietary rights	1. Perangkat Lunak Estimasi Biaya Pengembangan Perangkat Lunak Menggunakan Metode Function Point Analysis	2019
	2. E Worksheet: Lembar Kerja Estimasi Harga Perkiraan Sendiri (HPS) Proyek Perangkat Lunak	2020
Important publications over the last 5 years	1. Tining Haryanti, Apol Pribadi Subriadi, 2020, Factors and theories for E-commerce adoption: A literature review, International Journal of Electronic Commerce Studies, 2020, 11(2), pp. 87-105	

	2. Apol Pribadi Subriadi, Nina Fadhillah Najwa, 2020, The consistency analysis of failure mode and effect analysis (FMEA) in information technology risk assessment, Heliyon, Vol: 6, Issue: 1
	3. Nania Nuzulita, Apol Pribadi Subriadi, 2019, The role of risk-benefit and privacy analysis to understand different uses of social media by Generations X, Y, and Z in Indonesia, Electronic Journal of Information Systems in Developing Countries, Vol: 86, Issue 3
Activities in specialist bodies over the last 5 years	1. AISINDO, Member, 2013 – 2019.
	2. AIS, members, 2020 – Present
	3. IEEE, members, 2020 – Present

Name	**Arif Wibisono, S.Kom., M.Sc.**	
Position	Assistant Professor in the field of Enterprise Systems	
Academic career	**Bachelor's degree** (Information Systems), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 2007.	2007
	Master of Science (Logistics Information Techology), Pusan National University, Korea, 2011.	2011
	Doctor of Philosophy (Business Information Systems), University College Cork, Ireland, 2022 (expected).	2022
Employment	**Assistant Professor** — Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2014 — now
Research and development projects over the last 5 years	1. Intelligent Transportation Systems to Increase Effectiveness, Efficiency, and Safety in Transportation Systems using Models and ICT (2018) (fund IDR 155,2 Million) 2. Intelligent Transportation Systems to Increase Effectiveness, Efficiency, and Safety in Transportation Systems using Models and ICT (2019) (fund IDR 174,7 Million) 3. Intelligent Transportation Systems to Increase Effectiveness, Efficiency, and Safety in Transportation Systems using Models and ICT (2018) (fund IDR 174,7 Million)	
Industry collaborations over the last 5 years	None	
Patents and proprietary rights	Tittle	Year
Important publications over the last 5 years	1. A Wibisono, D Sammon, C Heavin; Modelling data activities in workarounds: a narrative network approach; Journal of Decision Systems, 1-12, 2020 2. E Suryani, RA Hendrawan, PFE Adipraja, A Wibisono, LP Dewi; Urban mobility modeling to reduce traffic congestion in Surabaya: a system dynamics framework; Journal of Modelling in Management; 2020 3. MA Fauzan, AS Nisafani, A Wibisono;' Seller reputation impact on sales performance in public e-marketplace Bukalapak; 2019 4. AS Nisafani, A Wibisono, MHT Revaldo; Analyzing the effectiveness of public e-marketplaces for selling apparel	

	products in Indonesia;Procedia Computer Science 124, 274-279; 2017 5. A Wibisono, AS Nisafani, H Bae, YJ Park; A dynamic and human-centric resource allocation for managing business process execution; International Journal of Industrial Engineering: Theory, Applications and Practice, 23(4); 2016.
Activities in specialist bodies over the last 5 years	None

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	Dr. Bambang Setiawan, S.Kom., M.T.		
Position	Assistant Professor in the field of Information Technology Security and Infrastructure		
Academic career	**Bachelor's degree** (Computer Engineering), Faculty of Industrial Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 1994. **Master's degree** (Informatics), Faculty of Industrial Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 1999. **Doctoral degree** (Computer Science), Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 2020.		1994 1999 2020
Employment	**Assistant Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2005—now
Research and development projects over the last 5 years	1. Implementation of Smart Energy on the Street Light System (2020) (fund IDR 20Milion) 2. Development of cardiac health monitor applications using low-cost commercial wearable heart rate sensor (2020) (fund IDR 20Milion) 3. A pilot study in detecting heart health with electrocardiogram waves using a wearable ECG sensor smartwatch (2020) (fund IDR 20Milion)		
Industry collaborations over the last 5 years	None		
Patents and proprietary rights	Tittle		Year
Important publications over the last 5 years	1. Setiawan B, Djanali S, Ahmad T, Analyzing the performance of intrusion detection model using weighted one-against-one support vector machine and feature selection for imbalanced classes, International Journal Intelligent Engineering and Systems 13,151-160, 2020. 2. Setiawan B, Djanali S, Ahmad T, Aziz MN, Assessing Centroid-Based Classification Models for Intrusion Detection System Using Composite Indicators, Procedia Computer Science 161, 665-676, 2019.		

	3. Setiawan B, Djanali S, Ahmad T, Increasing accuracy and completeness of intrusion detection model using fusion of normalization, feature selection method and support vector machine, International Journal Intelligent Engineering and Systems 12(4), 378-389, 2019.
	4. Setiawan B, Djanali S, Ahmad T, A study on intrusion detection using centroid-based classification. Procedia Computer Science 124, 672-681, 2017.
Activities in specialist bodies over the last 5 years	None

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Edwin Riksakomara, S.Kom., M.T.**	
Position	Assistant Professor in the field of Data Engineering and Business Intelligence	
Academic career	**Bachelor's degree** (Computer Engineering), Faculty of Industrial Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 1994.	1988
	Master Engineering (Industrial Engineering), Faculty of Industrial Technology, Institut teknologi Sepuluh Nopember, Indonesia, 2001.	1998
Employment	**Assistant Professor** Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2003 - now
Research and development projects over the last 5 years	1. Design of a Dashboard Multiplatform Prototype for Visualization, Mapping, and Prediction of Disease Spread (2019)(fund IDR 177 Million) 2. Geographical Information System Application Design for Mapping the Spread of Diseases in Java Using Krigging and Fuzzy Rule Hybridization Methods to Mitigate Disease Occurrences (2017)(fund IDR 182 Million)	
Industry collaborations over the last 5 years	None	
Patents and proprietary rights	None	Year
Important publications over the last 5 years	1. Radityo Prasetianto Wibowo, Wiwik Anggraeni, Tresnaning Arifiyah, Edwin Riksakomara, Febriliyan Samopa, Pujiadi Pujiadi, Siti Aminatus Zehroh, Nur Aini Lestari, Business Intelligence Development in Distributed Information Systems to Visualized Predicting and Give Recommendation for Handling Dengue Hemorrhagic Fever, Journal of Information Systems Engineering and Business Intelligence, 2020 2. F Mahananto, E Riksakomara, RZ Aditya, Multifractal detrended fluctuation analysis of heart rate variability predicts short-term outcomes of patients with sepsis, 2019 International Biomedical Instrumentation and Technology Conference (IBITeC), 2019 3. I Wayan AK Yoga, Arif Djunaidy, Wiwik Anggraeni, Ahmad Muklason, Faizal Mahananto, Edwin Riksakomara, Nisa D Angresti, Hidayatul YT Sasmi, Vicha Azthanty Supoyo, Advanced	

38

	Traveler Information Systems: Itinerary Optimisation Using Orienteering Problem Model and Genetic Algorithm, 2018 International Conference on Information Technology Systems and Innovation (ICITSI), 2018
	4. Wiwik Anggraeni, Graha Pramudita, Edwin Riksakomara, PW Radityo, Febriliyan Samopa, Renny Sari Dewi, Artificial Neural Network for Health Data Forecasting, Case Study: Number of Dengue Hemorrhagic Fever Cases in Malang Regency, Indonesia, 2018 International Conference on Electrical Engineering and Computer Science (ICECOS), 2018
	5. W Anggraeni, N Pusparinda, E Riksakomara, F Samopa, P Pujiadi, The Performance of ARIMAX Method in Forecasting Number of Tuberculosis Patients in Malang Regency, Indonesia, International Journal of Applied Engineering Research, 2017
	6. JS Wijaya, W Anggraeni, A Muklason, F Mahananto, E Riksakomara, Arif Djunaidy, Advanced Traveler Information System: Itinerary Optimization as an Orienteering Problem Using Iterative Local Search-Hill Climbing Algorithm, Procedia Computer Science 124, 173-180, 2017.
	7. Wiwik Anggraeni, Rafika Nurmasari, Edwin Riksakomara, Febriliyan Samopa, Radityo Prasetyanto Wibowo, Modified Regression Approach for Predicting Number of Dengue Fever Incidents in Malang Indonesia, Procedia Computer Science 124, 142-150, 2017
	8. Muhammad N Fakhruzzaman, Edwin Riksakomara, Hatma Suryotrisongko, EEG wave identification in human brain with Emotiv EPOC for motor imagery, Procedia Computer Science 72, 269-276, 2015
Activities in specialist bodies over the last 5 years	None

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Eko Wahyu Tyas Darmaningrat, S.Kom., M.BA.**		
Position	Assistant Professor in the field of Information Systems Management		
Academic career	**Bachelor's degree** (Computer Sciences), Faculty of Mathematics and Natural Sciences, University of Brawijaya, Indonesia, 2008.		2008
	Master of Business Administration (Industrial Management), National Taiwan University of Science and Technology, Taiwan, 2012.		2012
Employment	**Assistant Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2017—now
Research and development projects over the last 5 years	1. The Impact of Information Security Awareness on Behavior of Social Media Users (2019) (fund IDR 50 Million) 2. Digitalization of Learning Materials for AlQur'an Studies Subject in Islamic Junior High School Al Azhar 13 Surabaya using "yukBlajar!" Application (2019) (fund IDR 20 Million) 3. Analysis of User Awareness toward Risks of Information Security in Online Activities (2018) (fund IDR 50 Million) 4. "yukBlajar!" Digital Learning Application for High Schools Students in Surabaya (2018) (fund IDR 20 Million) 5. Implementation of "yukBlajar!" in Kediri Junior High School to Support Digital Learning Activities (2018) (fund IDR 50 Million) 6. The Development of Information Technology Master Plan for Madiun City Government (2018) (fund IDR 150 Million) 7. The Development of Information Technology Master Plan for Trenggalek District Government (2017) (fund IDR 150 Million) 8. The Development of Risk-Based Service Desk Governance for Information Technology and Information System Services (2017) (fund IDR 35 Million) 9. Implementation of Online Store to Increase The Sale of Shellfish Products in Keduk Cowek Village, Bulak Subdistrict, Surabaya Services (2017) (fund IDR 50 Million) 10. Implementation of Software Quality Control on Culture Conservation Website (Wikibudaya) Through Hypothesis Testing of Nielsen Model on Usability Aspects with Heuristic Evaluation Justification (2016) (fund IDR 25 Million)		
Industry collaborations over the last 5 years	None		

Patents and proprietary rights	None	-
Important publications over the last 5 years	1. Darmaningrat, E. W. T., Muqtadiroh, F. A., Bukit, T. A., Communication Management Plan of ERP Implementation Program: A Case Study of PTPN XI. The 5th Information Systems International Conference (ISICO), Procedia Computer Science 161, 359–366, 2019. 2. Sholiq, S., Hutomo, P. S., Wulandari, A. D., Subriadi, A. P., Herdiyanti, A., Darmaningrat, E. W. T., Testing of Owner Estimate Cost Model with Android-based Application, 3rd International Conference on Informatics and Computational Sciences (ICICoS), pp. 1-6, 2019. 3. Darmaningrat, E. W. T., Astuti, H. M., Rizqy, A. I. Gap Analysis and Business Process Modeling of Human Capital Management Based on SAP Best Practice, Jurnal Teknologi Informasi dan Ilmu Komputer (JTIIK) Vol. 6, No. 2, pp. 187-194, April 2019. 4. Noor Ali, A. H., Darmaningrat, E. W. T., Winardi, D. D., Change Management Strategies of E-Learning Adoption in Secondary Schools: A Case Study of Public Junior High Schools in Surabaya, The 2nd International Conference on Education and E-Learning (ICEEL), 5–7 November 2018. 5. Darmaningrat, E. W. T., Noor Ali, A. H., Wibowo, R. P., Astuti, H. M., Pemanfaatan Aplikasi Digital Learning Untuk Pembelajaran Pengayaan di Sekolah Menengah Kota Surabaya, SESINDO, 5 Nopember 2018. 6. Astuti, H. M., Muqtadiroh, F. A., Darmaningrat, E. W. T., Putri, C. U. Risks Assessment of Information Technology Processes Based on COBIT 5 Framework: A Case Study of ITS Service Desk. The 4th Information Systems International Conference (ISICO), Procedia Computer Science 124, 569-576, 2017. 7. Muqtadiroh, F. A., Astuti, H. M., Darmaningrat, E. W. T., Aprilian, F. R. Usability Evaluation to Enhance Software Quality of Cultural Conservation System Based on Nielsen Model (WikiBudaya). The 4th Information Systems International Conference (ISICO), Procedia Computer Science 124, 513-521, 2017. 8. Pramasanti, A., Darmaningrat, E. W. T., Astuti, H. M. Pembuatan Template Pencatatan Item Konfigurasi Dengan Mengacu Pada Kerangka Kerja ITIL v3. SESINDO, 6-8 Nopember 2017. 9. Muqtadiroh, F. A., Darmaningrat, E. W. T., Savira, R. N. Risk Assessment and Risk Mitigation of e-Learning Implementation in The Middle School using Failure Modes and Effects Analysis (FMEA). Seminar Nasional Teknologi Informasi Komunikasi dan Industri, 19 Mei 2017 10. Susanto, T. D., Darmaningrat, E. W. T., Apriliana, A. F. Pembuatan Dokumen Service Level Requirement, Service Level Agreement dan Operation Level Agreement pada Layanan Email ITS Berbasis ITIL V3. SESINDO, 1 Nopember 2016.	

	11. Noor Ali, A. H., Darmaningrat, E. W. T., Anundra, R. N. Identifikasi Aktivitas Manajemen Perubahan Organisasi pada Implementasi ERP di PT Perkebunan Nusantara XI Menggunakan Model ADKAR. The 2nd Conference on Innovation and Industrial Application (CINIA). November 2016. 12. Hidayanto, B. C., Darmaningrat, E. W. T, Estiniwengku, D. Perencanaan Portfolio Aplikasi pada Kantor Wilayah Direktorat Jenderal Bea dan Cukai Sumatera Bagian Selatan. Jurnal Teknik dan Ilmu Komputer (JTIK) Vol. 05 No. 19 Juli - September 2016.
Activities in specialist bodies over the last 5 years	1. AISINDO, Member, 2013 – 2019. 2. IEEE, Member, 2020 – now

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Faizal Johan Atletiko, S.Kom, M.T.**	
Position	Assistant Professor in the field of Data Acquisition and Information Dissemination	
Academic career	**Bachelor's degree** (Informatics), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 2001. **Master Engineering** (Electro), Institut Teknologi Sepuluh Nopember, Indonesia, 2012.	2001 2012
Employment	**Assistant Professor** — Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2001—now
Research and development projects over the last 5 years	None	
Industry collaborations over the last 5 years	None	
Patents and proprietary rights	None	Year
Important publications over the last 5 years	1. NA Rakhmawati, FJ Atletiko, HA Ts, Determination of freight rates based on package dimension and distance of delivery using fuzzy logic system in angkotin application, Procedia Computer Science 161, 2019, 527-234 2. RP Kusumawardani, S Priansya, FJ Atletiko, Context-sensitive normalization of social media text in bahasa Indonesia based on neural word embeddings, Procedia Computer Science 144, 2018, 105-117 3. FJ Atletiko, Development of Android Application for Courier Monitoring System Procedia Computer Science 144, 2018, 105-117	
Activities in specialist bodies over the last 5 years	1. AISINDO, Member	

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	Faizal Mahananto, S.Kom., M.Eng., Ph.D.		
Position	Assistant Professor in the field of Data Engineering and Business Intelligence		
Academic career	**Bachelor's degree** (Information Systems), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 2008.		2008
	Master Engineering (Computer Science and Electrical Engineering), Kumamoto University, Japan, 2012.		2012
	Ph.D (Computer Science and Electrical Engineering), Kumamoto University, Japan, 2015.		2015
Employment	**Assistant Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2008—now
Research and development projects over the last 5 years	1. Heart Failure Identification Systems using Symbolic Analysis Method of Heart Rate Variability (2016) (fund IDR 10Milion) 2. Price Forcasting and Decision Support System Development of Strategic Commodities for Staple Price Stability in Indonesia (2016) (fund IDR 50Milion) 3. Congestive Heart Failure Identification using Multifractal Detrended Fluctuation Analysis of Heart Rate Variability (2017) (fund IDR 100Milion) 4. Prognosis Estimation of ICU Patient using Higher-Order Detrended Fluctuation Analysis of Heart Rate Variability (2018) (fund IDR 50Milion) 5. Heart Failure Detection Systems using Semantic Web (2019) (fund IDR 50Milion) 6. E-Commerce Web User Experience Measurement using Stress Level Estimation with Heart Rate Variability (2020) (fund IDR 10Milion)		
Industry collaborations over the last 5 years	1. PT PJBS (Local National Power Plant Maintenance Service Company		
Patents and proprietary rights	Tittle None		Year
Important publications over the last 5 years	1. F Mahananto, E Riksakomara, RZ Aditya, Multifractal detrended fluctuation analysis of heart rate variability predicts short-term outcomes of patients with sepsis, 2019 International Biomedical Instrumentation and Technology Conference (IBITeC)		

	2. A Nurrosyidah, F Mahananto, ER Mahendrawathi, T Igasaki, T Yamakawa, Heart Rate Variability Analysis by Multiscale Entropy for Autonomic Nervous System Identification, Procedia Computer Science 161, 630-637, 2019.
	3. F Mahananto, A Djunaidy, Simple Symbolic Dynamic of Heart Rate Variability Identify Patient with Congestive Heart Failure, Procedia Computer Science 124, 197-204, 2017
	4. JS Wijaya, W Anggraeni, A Muklason, F Mahananto, E Riksakomara, Arif Djunaidy, Advanced Traveler Information System: Itinerary Optimization as an Orienteering Problem Using Iterative Local Search-Hill Climbing Algorithm, Procedia Computer Science 124, 173-180, 2017.
	5. F Mahananto, T Igasaki, N Murayama, Potential force dynamics of heart rate variability reflect cardiac autonomic modulation with respect to posture, age, and breathing pattern, Computers in Biology and Medicine 64, 197-207, 2015
Activities in specialist bodies over the last 5 years	None

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Feby Artwodini Muqtadiroh, S.Kom., M.T.**		
Position	Assistant Professor in the field of Information Systems Management		
Academic career	**Bachelor's degree** (Informatics), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 2002.		2002
	Master Engineering (Computer Science and Electrical Engineering), Institut Teknologi Bandung, Indonesia, 2007.		2007
Employment	**Assistant Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2008—now
Research and development projects over the last 5 years	1. Pembuatan Kerangka Kerja Untuk Penentuan Harga Perkiraan Sendiri (HPS) Proyek Perangkat Lunak Skala Besar Dengan Mengintegrasikan Use Case Points Dan Activity Based Costing (2018) (fund IDR 121Milion) 2. PENGEMBANGAN MODEL DAN PROTOTIPE ERGONOMI MEDIA WEB E-GOVERNMENT BERDASARKAN ANALISIS GELOMBANG OTAK DAN PERGERAKAN MATA GUNA MENINGKATKAN PENERIMAAN E-GOVERNMENT DI INDONESIA (Studi Kasus: 514 Website Kabupaten dan Kota di Indonesia) (2017) (fund IDR 89Milion) 3. Pembuatan Kerangka Kerja Untuk Penentuan Harga Perkiraan Sendiri (HPS) Proyek Perangkat Lunak Skala Besar Dengan Mengintegrasikan Use Case Points Dan Activity Based Costing (2017) (fund IDR 113Milion) 4. Rancangan Pedoman Penentuan Harga Perkiraan Sendiri (Owner Estimation Cost) untuk Proyek Pembuatan Perangkat Lunak Menggunakan Function Points Analysis (2017) (fund IDR 96Milion)		
Industry collaborations over the last 5 years	None		
Patents and proprietary rights	None		Year
Important publications over the last 5 years	1. FA Muqtadiroh, AS Nisafani, RM Saraswati, A Herdiyanti, Analysis of user resistance towards adopting e-learning, Procedia Computer Science 161, 123-132, 2019		

	2. EW Tyas Darmaningrat, FA Muqtadiroh, TA Bukit, Communication management plan of ERP implementation program: A case study of PTPN XI, Procedia Computer Science 161, 359-366, 2019
	3. FA Muqtadiroh, HM Astuti, NL Zulfasari, Analyzing factors influencing students' perception towards digital library based on Chang's model, Procedia Computer Science 161, 142-150, 2019
	4. Sholiq, DA Dewangga, AP Subriadi, FA Muqtadiroh, Quality measurement of software based on characteristics of functionality, reliability, and maintainability, International Seminar on Research of Information Technology and Intelligent Systems, 192-197
	5. FA Muqtadiroh, A Herdiyanti, I Wicaksono, T Usagawa, Analysis of Factors Affecting Continuance Intention of E-Learning Adoption in Lecturers' Perspectives, IOP Conference Series: Materials Science and Engineering 588, 2019
Activities in specialist bodies over the last 5 years	None

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Hanim Maria Astuti, S.Kom., M.Sc.**	
Position	Associate Professor in the field of Information Systems Management	
Academic career	**Master of Science** (Management of Technology), Faculty of Technology, Policy and Management, Delft University of Technology, The Netherlands, 2008-2010.	2010
	Bachelor's degree (Information Systems), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 2003-2007.	2007

Employment	**Associate Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2010—now

Research and development projects over the last 5 years	1. The Implementation of Work Instruction as a Solution to Manage Critical IT Incidents in ITS (2017) (fund IDR 50Million) 2. The Feasibility Study of Smart Village and National Health Care System in Banyuwangi Region (2018) 3. Analysis on the Implementation of Remote Engineering, Monitoring, Diagnostic and Optimization (REMDO) System for PT. Java-Bali Power Plan (2017)
Industry collaborations over the last 5 years	PT. Java-Bali Power Plant (2017)

Patents and proprietary rights	-	-

Important publications over the last 5 years	1. M Er, N Arsad, H M Astuti, R P Kusumawardani, R A Utami, Analysis of Production Planning in a Global Manufacturing Company with Process Mining. Journal of Enterprise Information Management, 31(2), Pages 317-337, 2018. 2. A Herdiyanti, N R Listyawati, H M Astuti, Understanding the Total Value of Information Technology Services from the Perspective of Students and Academic Staffs, Procedia Computer Science, Volume 124, Pages 429-436, 2017. 3. A Herdiyanti, A N Adityaputri, H M Astuti, Understanding the Quality Gap of Information Technology Services from the Perspective of Service Provider and Consumer, Procedia Computer Science, Volume 124, Pages 601-607, 2017.

	4. F A Muqtadiroh, H M Astuti, A P Pradana, Software Quality Measurement and Improvement using Refactoring and Square Metric Methods, Journal of Theoretical & Applied Information Technology, 73(1), 2015.
Activities in specialist bodies over the last 5 years	1. ICT Services at ITS, Head, 2016 – 2019. 2. Computer-based Test of National Higher Education Entrance Examination, Head, 2017-2018. 3. Center of Validating Process for the paper-based National Higher Education Entrance Examination for the Eastern Indonesia, Head, 2017-2018.

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Irmasari Hafidz, S.Kom., M.Sc.**	
Position	Assistant Professor in the field of Data Acquisition and Information Dissemination	
Academic career	**Bachelor's degree** (Information Systems), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 2003 - 2007.	2007
	Master of Science (Business Information Technology), University of Twente, The Netherlands, 2008 - 2011.	2011
	Ph.D (Advanced VR Research Centre), The Wolfson School of Mechanical, Electrical and Manufacturing Engineering, Loughborough University, United Kingdom 2019 - now.	2019 - now
Employment	**Assistant Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2008— now
Research and development projects over the last 5 years	1. Penelitian Dosen Pemula ITS. "TeenStagram: Rancang Bangun Aplikasi Analitik Perilaku Remaja pada Akun Media Sosial Instagram", LPPM – ITS, 2017 (Ketua Peneliti) 2. Penelitian Dosen Pemula ITS. "CITY113: A Mobile Application to Improve Public Participation in Surabaya City Development for Better Governance", LPPM – ITS, 2016 (Ketua Peneliti) 3. Penelitian Kebijakan ITS. "Pengembangan Eco Urban Farming ITS Menjadi Eco Education Center". LPPM – ITS, 2015 (Anggota Peneliti) 4. Penelitian Dosen Pemula ITS. "Rancang Bangun Aplikasi Visualisasi Data Kesehatan Indonesia Menggunakan Linked Open Data", LPPM – ITS, 2015 (Ketua Peneliti) 5. Penelitian BOPTN ITS. "PD-DASH : Peningkatan Pembinaan Perangkat Desa Dalam Pemanfaatan Aplikasi Dashboard (Studi Kasus : Desa Simolawang Surabaya), LPPM – ITS, 2014 (Anggota Peneliti) 6. Trainer, Pelatihan Media Online & Website untuk UMKM– Dinas Koperasi & UMKM, Provinsi Jawa Timur, Surabaya, 10 April 2014 7. Penelitian Kajian Kebijakan ITS. Pengembangan Kerangka Pengukuran Kinerja Terintegrasi Berbasis Laporan Akuntabilitas Kinerja Instansi Pemerintah (Lakip) dan Anggaran Berbasis Kinerja (ABK) Di Lingkungan ITS, LPPM – ITS, 2013 (Anggota Peneliti)	
Industry collaborations over the last 5 years	None	
Patents and proprietary rights	-	-
Important publications over the last 5 years	2020 **Paper**, Handayeni, K. D. M. E., U. F. Kurniawati, and I. Hafidz. "GHG Inventory on energy sector using mobile application in Surabaya City: some challenges and opportunities." In IOP Conference Series: Earth	

	and Environmental Science, vol. 562, no. 1, p. 012024. IOP Publishing, 2020. The link at https://iopscience.iop.org/article/10.1088/1755-1315/562/1/012024/meta
2020	**Journal**, Nur Aini Rakhmawati, Tetha Valianta, Irmasari Hafidz, Azmi Pratama, Doddy Ridwandono and Lolanda Annisa, *"What are inside the mind of teenagers on Instagram?"* (Accepted, peer reviewed, in press), International Journal of Business Information Systems DOI: 10.1504/IJBIS.2020.10019634 https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijbis#81237
2020	**Journal**, Nur Rakhmawati, Faiz NF, Irmasari Hafidz, Indra Raditya, Pande Dinatha, Andrianto Suwignyo, *"Clustering Student Instagram accounts using Author-Topic Model Based"* (Accepted, peer reviewed, in press), International Journal of Business Intelligence and Data Mining, DOI: 10.1504/IJBIDM.2020.10020280 https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijbidm#81872
2019	(In Indonesian) Hafidz, I., Mirfak, A., Azhari, A., Adianto, A. I., Fuad, B. H., & Farabi, M. I. (2019). *Rancang Bangun Dashboard Dan Visualisasi Data Kickstarter Dengan Pendekatan Business Intelligence*. *SISFO VOL 8 NO 2, 2*. https://doi.org/10.24089/j.sisfo.2019.01.005
2017	**Paper,** Irmasari Hafidz, Alvin Rahman Kautsar, Tetha Valianta, and Nur Aini Rakhmawati. "Teenstagram TimeFrame: A Visualization for Instagram Time Dataset from Teen Users (Case Study in Surabaya, Indonesia)." Procedia Computer Science 124 (2017): 100-107. The link at: https://www.sciencedirect.com/science/article/pii/S1877050917329034
2017	**Paper**, Tony Dwi Susanto, Made Mira Diani, and Irmasari Hafidz. "User Acceptance of e-Government Citizen Report System (a Case Study of City113 App)." Procedia Computer Science 124 (2017): 560-568. The link at: https://www.sciencedirect.com/science/article/pii/S1877050917329587
2016	**Paper**, Irmasari Hafidz, Kadek Hari Baskara and Nur Aini Rakhmawati, "CekPolusi: A Web Application Development for Visualizing Air Pollution Data (Case Study: The City of Surabaya)", 4th AUN/SEED-NET REGIONAL CONFERENCE ON NATURAL DISASTER 2016 (RCND 2016), Universiti Teknologi Malaysia, Kuala Lumpur, Malaysia, Link at: http://mjiit.utm.my/rcnd2016/files/2016/09/Final-RCND-Program.pdf
2016	**Paper**, Nur Aini Rakhmawati , Irmasari Hafidz, Renny P. Kusumawardani, Radityo P. Wibowo, *"Towards Surabaya as An Open Data City"*, Proceeding of ASEA-UNINET International Workshop Bali, February 15th, 2016, Udayana University, Widya Sabha, Campus Bukit Jimbaran, Key Area: Science and Technology
2015	**Paper**, Nur Aini Rakhmawati, Irmasari Hafidz, Nasrullah, *"Linked Data for Islamic Institutions and Social Issues in East Java, Indonesia"*, AUN/SEED-Net Regional Conference for Computer and Information Engineering (RCCIE) 2015, Hanoi - Vietnam, p.115-116, ISBN 978-604-938-689-3, Oktober 2015
2015	**Paper**, Irmasari Hafidz, Nur Aini Rakhmawati, Muhammad Idil Haq Amir, Nasrullah, *"Indonesian Healthcare Visualization"*, Forum Informatika

	Kesehatan (FIKI) 2015, SIMKES, Fakultas Kedokteran, University of Gajah Mada (UGM), Yogyakarta, 21-24 Oktober 2015
	2015 **Poster Paper** , Irmasari Hafidz, Nur Aini Rakhmawati, Nasrullah, Muhammad Idil Haq Amir, "*Linked Data For Indonesian Healthcare*", Information Systems International Conference (ISICO), Institut Teknologi Sepuluh Nopember, 2015
	2015 **Poster Paper**, Sulthon Maarif, Irmasari Hafidz,Renny Pradina Kusumawardhani, "*Geographic Visualization Of Crime Datasets Using R: Case Study Crime Data From Indonesian Police Department, East Java*", Information Systems International Conference (ISICO), Institut Teknologi Sepuluh Nopember, 2015
Activities in specialist bodies over the last 5 years	1. AISINDO. Assoc of Information Systems - Indonesian Chapter (Member). 2017 - now 2. TEDxITS, Co-Founder, Lead Curator, 2012 – 2014. Info at https://www.ted.com/profiles/1265304/about 3. PPI Belanda, Sekjen Perwakilan PPI Enschede, 2010-2011 4. ITS Smart Eco Campus. Lead Project Developer for Biodiversity ITS, 2013 – now http://biodiversity.its.ac.id/ https://www.its.ac.id/initiatives/smart-eco-campus/ 5. Diversity Grant awardee for JuliaCon 2017, programming with Julia, University of California Berkeley, Berkeley, California, USA, 20-24 June 2017 6. FOSSASIA, Overseas Volunteer, Science Centre Singapore, March 2017 http://2017.fossasia.org/ 7. University of Twente Student Delegation for Milan Model United Nations (MILMUN), Universitá Luigi Bocconi, Milan, Italy), 3 - 8 May 2009

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Radityo Prasetianto Wibowo, S.Kom, M.Kom.**		
Position	Assistant Professor in the field of Data Acquisition and Information Dissemination		
Academic career	**Bachelor's degree** (Information Systems), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 2002.		2002
	Master Engineering (Informatics), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 2007.		2007
Employment	**Assistant Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2008—now
Research and development projects over the last 5 years	1. Design of a Dashboard Multiplatform Prototype for Visualization, Mapping, and Prediction of Disease Spread, Funded by Ministry of Education and Culture (IDR 177,983 Million) 2. Design of a Dashboard Multiplatform Prototype for Visualization, Mapping, and Prediction of Disease Spread, Funded by Ministry of Education and Culture (IDR 158,947 Million) 3. Development of Government Resources Planning (GRP) Online Public Services for City / District Governments as Standards, Guidelines, and Tools for All Local Governments in Indonesia in Building City-Level e-Government Systems (Case Study: 150 Surabaya City Government Public Services, Funded by Ministry of Education and Culture (IDR 137,095 Million) 4. Geographical Information System Application Design for Mapping the Spread of Diseases in Java Using Krigging and Fuzzy Rule Hybridization Methods to Mitigate Disease Occurrences, Funded by Ministry of Education and Culture (IDR 182,105 Million) 5. Development of Government Resources Planning (GRP) Online Public Services for City / District Governments as Standards, Guidelines, and Tools for All Local Governments in Indonesia in Building City-Level e-Government Systems (Case Study: 150 Surabaya City Government Public Services, Funded by Ministry of Education and Culture (IDR 136,734 Million)		
Industry collaborations over the last 5 years	None		

Patents and proprietary rights	None
Important publications over the last 5 years	1. Radityo Prasetianto Wibowo, Wiwik Anggraeni, Tresnaning Arifiyah, Edwin Riksakomara, Febriliyan Samopa, Pujiadi Pujiadi, Siti Aminatus Zehroh, Nur Aini Lestari, Business Intelligence Development in Distributed Information Systems to Visualized Predicting and Give Recommendation for Handling Dengue Hemorrhagic Fever, Journal of Information Systems Engineering and Business Intelligence, 2020 2. Wiwik Anggraeni, Abdolatul Abdillah, Lulus Tjondro Trikoratno, Radityo Prasetianto Wibowo, Mauridhi Hery Purnomo, Yeyen Sudiarti, Modelling and Forecasting the Dengue Hemorrhagic Fever Cases Number Using Hybrid Fuzzy-ARIMA, 2019 IEEE 7th International Conference on Serious Games and Applications for Health (SeGAH), 2019 3. Amna Shifia Nisafani, Arif Wibisono, Safrina Kharisma Imandani, Radityo Prasetianto Wibowo, Developing Salesperson Performance Indicators on Instant Messaging Platform, Procedia Computer Science, 2017 4. Wiwik Anggraeni, Rafika Nurmasari, Edwin Riksakomara, Febriliyan Samopa, Radityo Prasetyanto Wibowo, Modified Regression Approach for Predicting Number of Dengue Fever Incidents in Malang Indonesia, Procedia Computer Science, 2017 5. NUR AINI RAKHMAWATI, IRMASARI HAFIDZ, RENNY P KUSUMAWARDHANI, RADITYO P WIBOWO, City113: A mobile application to improve public participation in Surabaya city development for better governance, Excellent Science in ASEAN Vol. 2, 2016
Activities in specialist bodies over the last 5 years	None

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Raras Tyasnurita, S.Kom., M.BA., Ph.D**	
Position	Assistant Professor in the field of Data Engineering and Business Intelligence	
Academic career	**Bachelor's degree** (Information Systems), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia.	2008
	Master's degree (Industrial Management), National Taiwan University of Science and Technology, Taiwan.	2012
	Ph.D (Computer Science), University of Nottingham, United Kingdom.	2020
Employment	**Assistant Professor** — Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2009—now
Research and development projects over the last 5 years	1. Pengembangan Model dan Algoritma Generik Berbasis Hyper-heuristic Untuk Otomasi dan Optimasi Penyelesaian Permasalahan Penjadwalan dan Perencanaan di Lingkungan Akademik (2019-2020) (fund IDR 100Milion) (Anggota). 2. Analisis Risiko dan Rekomendasi Kontrol untuk Infrastruktur dan Keamanan Informasi ITS Berdasarkan Standar ISO/IEC 27001:2013 (2019) (fund IDR 25Milion) (Anggota). 3. Pengembangan Model Traveling Salesman Problem & Vehicle Routing Problem Dan Algoritma Generik Berbasis Hyper-Heuristics Untuk Menyelesaikan Permasalahan Optimasi Operasi Dan Penjadwalan Public Transport di Kota Surabaya Dalam Kerangka Kerja Intelligent Transportation Systems (2020) (fund IDR 110Milion) (Anggota). 4. Pengukuran User Experience Web E-Commerce Dengan Mengestimasi Tingkat Stress Menggunakan Heartrate Variability (2020) (fund IDR 10Milion) (Anggota). 5. Pengembangan Sistem Pakar Untuk Personalisasi Resiko Stroke Di Indonesia (2020) (fund IDR 20Milion) (Anggota).	
Industry collaborations over the last 5 years	None	
Patents and proprietary rights	None	

Important publications over the last 5 years	1. Tyasnurita, R., Özcan, E. and John, R., 2017, June. Learning heuristic selection using a time delay neural network for open vehicle routing. In *2017 IEEE Congress on Evolutionary Computation (CEC)* (pp. 1474-1481). IEEE.
	2. R. Tyasnurita, E. Ozcan, S. Asta, and R. John, "Improving performance of a hyper-heuristic using a multilayer perceptron for vehicle routing," in *The 15th UK Workshop on Computational Intelligence*, 2015
	3. Anggraeni, W., Vinarti, R.A., Tyasnurita, R. and Permatasari, J., 2015. Production planning optimization using goal programming method in habibah busana. *Journal of advanced management science*, *3*(4).
Activities in specialist bodies over the last 5 years	1. ACM, Student Member, 2018-2019
	2. ACM, Professional Member, 2020-2021
	3. IEEE, Professional Member, 2017-2022

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Retno Aulia Vinarti, S.Kom., M.Kom., Ph.D**	
Position	Assistant Professor in the field of Data Engineering and Business Intelligence	
Academic career	**Bachelor's degree** (Information Systems), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia	2009
	Master Engineering (Informatics Engineering), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia	2011
	Ph.D (Computer Science and Statistics), Trinity College Dublin, Ireland	2019
Employment	**Assistant Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2009—now
Research and development projects over the last 5 years	1. Information System Development for Administration Services in Karangrejo, Magetan. 2. Development of Expert Systems to Personalize Stroke Risk in Indonesia 3. Interactive Digital Classroom Engagement Training for Millennial Teachers at Al Falah Darussalam Elementary School, Tropodo, Sidoarjo	
Industry collaborations over the last 5 years	None	
Patents and proprietary rights	None	Year
Important publications over the last 5 years	1. A personalized infectious disease risk prediction system, RA Vinarti, LM Hederman, Expert Systems with Applications 131, 266-274 2. Knowledge Representation for Infectious Disease Risk Prediction System: A Literature Review, RA Vinarti, Procedia Computer Science 161, 821-825 3. A Knowledge-Base for a Personalized Infectious Disease Risk Prediction System. RA Vinarti, L Hederman. Medical Informatics Europe, 531-535 4. Personalization of Infectious Disease Risk Prediction: Towards Automatic Generation of a Bayesian Network, RA Vinarti, L	

	Hederman, 2017 IEEE 30th International Symposium on Computer-Based Medical Systems.
Activities in specialist bodies over the last 5 years	1. IEEE member [2020-2021] 2. AISINDO member [2018-2020]

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Rully Agus Hendrawan, S.Kom., M.Eng.**	
Position	Assistant Professor in the field of Enterprise Systems	
Academic career	**Bachelor's degree** (Informatics), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 2005. **Master Engineering** (Information Science and Engineering), Kumamoto University, Japan, 2009.	2005 2009
Employment	**Assistant Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2005 — now
Research and development projects over the last 5 years	1. Exposing Tourism Potential from Visitor Reviews Summary using Text Mining, 2020. 2. Analysis of MSME's Online-Offline Shop from Digital Trail of E-commerce Platform, 2019. 3. Information Architecture Design of E-Commerce Product Catalog to Improve System Flexibility and Interoperability, 2017. 4. Organizing Web Browsing History for Citation and Summarization of E-learning Modules, 2017. 5. Evaluating, Ranking, and Summarizing Retail Product Reviews, 2015.	
Industry collaborations over the last 5 years	1. Microfinance Data and Process Analysis, 2020. 2. Electronic Health Summary Integration, Government of Surabaya City, 2020. 3. Application and Database Optimization for Various City Services, Government of Surabaya City, 2018.	
Patents and proprietary rights	Title Intravtas : City Traffic and Travel Information Mobile Application EC00201855325 201831460 Buperdas : Smart Agriculture Mobile Web EC00202021990	Year 2020 2020
Important publications over the last 5 years	1. Hendrawan, Rully Agus; Maruyama, Katsuhisa; Visualizing Time-based Weighted Coupling Using Particle Swarm Optimization to Aid Program Comprehension, Procedia Computer Science, 72, 597-604, 2015, Elsevier 2. Hendrawan, Rully Agus; Suryani, Erma; Oktavia, Rani; Evaluation of E-Commerce Product Reviews Based on Structural, Metadata, and Readability Characteristics, Procedia Computer Science, 124, 280-286, 2017, Elsevier	

	3. Aristio, Andre Parvian; Supardi, S; Hendrawan, Rully Agus; Hidayat, Alifiansyah Arrizqy; Analysis on Purchase Intention of Indonesian Backpacker in Accommodation Booking through Online Travel Agent, Procedia Computer Science, 161, 885-893, 2019, Elsevier 4. Suryani, E; Hendrawan, RA; Adipraja, PFE; Indraswari, R; SYSTEM DYNAMICS SIMULATION MODEL FOR URBAN TRANSPORTATION PLANNING: A CASE STUDY,International Journal of Simulation Modelling (IJSIMM), 19, 1, 2020 5. Suryani, Erma; Hendrawan, Rully A; Adipraja, Philip FE; Wibisono, Arif; Widodo, Basuki; Indraswari, Rarasmaya; Modelling and simulation of transportation system effectiveness to reduce traffic congestion: a system dynamics framework, Transportation Planning and Technology, 1-28, 2020, Routledge
Activities in specialist bodies over the last 5 years	None

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	Tony Dwi Susanto, S.T., M.T., Ph.D.		
Position	Assistant Professor in the field of Information Systems Management		
Academic career	**Bachelor's degree** (Nuclear Engineering), Faculty of Information Technology, University of Gadjah Mada, Indonesia, 1998.		1998
	Master Engineering (Electrical Engineering), University of Gadjah Mada, Indonesia, 2003.		2003
	Ph.D (School of Computer Science, Engineering, & Mathematic), the Flinders University of South Australia, 2012.		2012
Employment	**Assistant Professor**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2009—now
Research and development projects over the last 5 years	1. DEVELOPMENT OF SMART CITY / REGENCY FRAMEWORK AND IMPLEMENTATION STRATEGY OF SAMPANG DISTRICT TO ACCELERATE ECONOMIC GROWTH OF MADURA ISLAND AFTER SURAMADU BRIDGE DEVELOPMENT (2020) (fund IDR 218 Million) 2. Development of Government Resources Planning (GRP) Online Public Services for City / District Governments as Standards, Guidelines, and Tools for All Local Governments in Indonesia in Building City-Level e-Government Systems (Case Study: 150 Surabaya City Government Public Services (2018) (fund IDR 137 Million) 3. E-GOVERNMENT AS A SERVICE, BASED ON MICROSERVICES ARCHITECTURE AND HYBRID CLOUD MODEL (2018) (fund IDR 106 Million) 4. DEVELOPMENT OF ERGONOMIC MODELS AND PROTOTYPES OF E-GOVERNMENT WEB MEDIA BASED ON ANALYSIS OF BRAIN WAVES AND EYE MOVEMENT FOR IMPROVING E-GOVERNMENT ACCEPTANCE IN INDONESIA (Case Study: 514 District and City Websites in Indonesia) (2018) (fund IDR 89 Million) 5. Development of Government Resources Planning (GRP) Online Public Services for City / District Governments as Standards, Guidelines, and Tools for All Local Governments in Indonesia in Building City-Level e-Government Systems (Case Study: 150 Surabaya City Government Public Services (2017) (fund IDR 136 Million)		

Industry collaborations over the last 5 years	None
Patents and proprietary rights	None
Important publications over the last 5 years	1. Aang Kisnu Darmawan, Daniel Oranova Siahaan, Tony Dwi Susanto, Miftahul Walid, Busro Akramul Umam, Achmad Nizar Hidayanto, Identifying the Differing Service Maturity Levels of Mobile-based Smart Regency with e-Government Adoption Model (GAM) framework, 2020 International Conference on ICT for Smart Society (ICISS), 2020 2. Aang Kisnu Darmawan, Daniel Siahaan, Tony Dwi Susanto, Hoiriyah Hoiriyah, Busro Umam, Achmad Nizar Hidayanto, Miftahul Walid, Iwan Santosa, Hien's Framework for Examining Information System Quality of Mobile-based Smart Regency Service in Madura Island Districts, 2020 4th International Conference on Informatics and Computational Sciences (ICICoS), 2020 3. Aang Kisnu Darmawan, Daniel Oranova Siahaan, Tony Dwi Susanto, Busro Akramul Umam, Miftahul Walid, Betty Dewi Puspasari, Achmad Nizar Hidayanto, Mobile-based Smart District Holistic Values And Social Dimensions: a Citizen-centric Perspective, 2020 Fifth International Conference on Informatics and Computing (ICIC), 2020 4. Aang Kisnu Darmawan, Daniel Oranova Siahaan, Tony Dwi Susanto, Busro Akramul Umam, Tony Yulianto, Miftahul Walid, Betty Dewi Puspasari, Achmad Nizar Hidayanto, A hybrid Approach with Balanced Score Card and Fuzzy Topsis Method for Identifying Critical Factors Affecting Smart Regency Development, 2020 Fifth International Conference on Informatics and Computing (ICIC), 2020 5. Eristya Maya Safitri, Tony Dwi Susanto, Rizka Hadiwiyanti, Arista Pratama, How IT Support a Government Organization's Agility to Respond Citizen's Changing Needs?: Literature Review, Journal of Physics: Conference Series, 2020 6. Endah Septa Sintiya, Tony Dwi Susanto, Ari Cahaya Puspita Ningrum, Electronics-Leadership (E-Leadership) dalam Sektor E-Government: Literature Review, Jurnal Nasional Teknologi dan Sistem Informasi, 2020
Activities in specialist bodies over the last 5 years	1. Australian Leadership Award Workshop, Western Australia (July 2008) 2. Australian Leadership Award Conference, Canberra Australia (March 2008).

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Ika Nurkasanah, S.Kom, M.Sc.**		
Position	Lecturer in the field of Enterprise Systems		
Academic career	**Bachelor's degree** (Information Systems), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia, 2009. **Master Engineering** (Information Systems and Operations Management), The University of Nottingham, United Kingdom, 2019.		2013 2019
Employment	**Lecturer**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2020—now
Research and development projects over the last 5 years	1. E-Commerce Development for Small Medium Enterprise in Local Product (Food and Beverage) at Surabaya (Funded by ITS, 20million, 2020)		
Industry collaborations over the last 5 years	None		
Patents and proprietary rights	Tittle None		Year
Important publications over the last 5 years	None		
Activities in specialist bodies over the last 5 years	None		

BACHELOR OF COMPUTER SCIENCE IN INFORMATION SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS

FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Name	**Izzat Aulia Akbar, S.Kom., M.Eng., Ph.D.**		
Position	Lecturer in the field of Information Technology and System Infrastructure		
Academic career	**Bachelor's degree** (Information Systems), Faculty of Information Technology, Institut Teknologi Sepuluh Nopember, Indonesia.	2013	
	Master Engineering (Computer Science and Electrical Engineering), Kumamoto University, Japan	2016	
	Ph.D (Computer Science and Electrical Engineering), Kumamoto University, Japan	2019	
Employment	**Lecturer**	Department of Information Systems, Faculty of Intelligent Electrical and Informatics Technology, Institut Teknologi Sepuluh Nopember	2020—now
Research and development projects over the last 5 years	None		
Industry collaborations over the last 5 years	None		
Patents and proprietary rights	Tittle		Year
Important publications over the last 5 years	1. I. A. Akbar, T. Igasaki, Drowsiness Estimation Using Electroencephalogram and Recurrent Support Vector Regression, Information, vol. 10, no. 6, 2019. 2. A. M. Rumagit, I. A. Akbar, M. Utsunomiya, T. Morie, T. Igasaki, Gazing as actual parameter for drowsiness assessment in driving simulators, Indonesian Journal of Electrical Engineering and Computer Science, vol. 13, no. 1, 2019. 3. I. A. Akbar, A. M. Rumagit, M. Utsunomiya, T. Morie, T. Igasaki, Near future drowsiness prediction using support vector regression analysis of electroencephalogram parameters, Medical Engineering and Bio Cybernetics (MBE), 2019. 4. A. M. Rumagit, I. A. Akbar, T. Igasaki, Gazing Time Analysis for Drowsiness Assessment Using Eye Gaze Tracker, TELKOMNIKA, vol. 15, no. 2, 2017.		

	5. T. Igasaki, T. Morie, M. Utsunomiya, I. A. Akbar, A. M. Rumagit, Can potentials of unbalanced kinetics of heart rate variability estimate drowsiness?, 2017 10th Biomedical Engineering International Conference (BMEiCON), 2017. 6. I. A. Akbar, A. M. Rumagit, M. Utsunomiya, T. Morie, T. Igasaki, Three drowsiness categories assessment by electroencephalogram in driving simulator environment, 2017 39th Annual International Conference on the IEEE Engineering in Medicine and Biology Society (EMBC), 2017. 7. T. Igasaki, K. Nagasawa, I. A. Akbar, N. Kubo, Sleepiness classification by thoracic respiration using support vector machine, 2016 9th Biomedical Engineering International Conference (BMEiCON), 2016. 8. I. A. Akbar, T. Igasaki, N. Murayama, Z. Hu, Drowsiness assessment using electroencephalogram in driving simulator environment, 2015 8th International Conference on Biomedical Engineering and Informatics (BMEI), 2015.
Activities in specialist bodies over the last 5 years	1. Japan IoT Acceleration Project, Main team, 2017-2018. 2. Kumamoto-Indonesia Friendship Association (KIFA), Performance Group Leader, 2014-2017. 3. Indonesian Student Association in Japan (PPIJ) Kumamoto Branch, Sport Division Leader, 2014 – 2015.