

**DAFTAR PUBLIKASI TERINDEKS SCOPUS
DEPARTEMEN TEKNIK SISTEM DAN INDUSTRI**

No	Judul	Authors	Tahun	Jenis	Nama Jurnal / Conference
1	Workload analysis in a university maintenance division	Dewi, R.S., Rahman, A., Astuti, R.D	2019	J	Industrial Engineering and Management Systems
2	Preference ranking test for different icon design formats for smart living room and bathroom functions	Chi, C.-F., Dewi, R.S., Samali, P., Hsieh, D.-Y.	2019	J	Applied Ergonomics
3	Design of Ergonomic Assault Vest for Indonesian Army with Modular Concept	Prayogi, A.D., Dewi, D.S., Sudiarno, A.	2019	C	IOP Conference Series: Materials Science and Engineering
4	Product Design for Post-Stroke Rehabilitation Bicycle with Kansei Engineering Approach	Dewi, D.S., Rakhmawati, A., Batan, I.M.L., Wessiani, N.A.	2019	C	IOP Conference Series: Materials Science and Engineering
5	Transition from red light district to small business district for sustainable urban	Dewi, D.S., Setiawan, Yusuf, M., Waluyohadi, Sari, N.I.	2019	J	Ecology, Environment and Conservation
6	Augmented reality based learning media for virtual instruction of LPG cylinder assembly	Rahman, A., Istighfarin, R.	2019	C	AIP Conference Proceedings
7	Analysis of Changing Working Patterns on an Overhaul Activity in a Power Plant Industry using Lean Manufacturing Concept	Fattah, A.A., Sudiarno, A.	2019	C	IOP Conference Series: Materials Science and Engineering
8	Integrating House of Risk Method with PESTLE and CIMOSA for Risk Assessment of Java-Bali i Power Plant Construction Project	Muntoha, A., Sudiarno, A.	2019	C	IOP Conference Series: Materials Science and Engineering
9	Eye Gaze Accuracy in the Projection-based Stereoscopic Display as a Function of Number of Fixation, Eye Movement Time, and Parallax	Prasetyo, Y.T., Widyaningrum, R., Lin, C.J.	2019	C	IEEE International Conference on Industrial Engineering and Engineering Management
10	Eye movement measures for predicting eye gaze accuracy and symptoms in 2D and 3D displays	Lin, C.J., Prasetyo, Y.T., Widyaningrum, R.	2019	J	Displays
11	Determinants of halal-food consumption in Indonesia	Vanany, I., Soon, J.M., Maryani, A., Wibawa, B.M.	2019	J	Journal of Islamic Marketing
12	Smart economy for coastal resource management in Surabaya City	Rahmawati, D., Arvitrida, N.I., Lastomo, D., Kusnadi, Rindawati	2019	C	IOP Conference Series: Earth and Environmental Science
13	Vehicle Routing Problem with Split Service, Time Window and Intermediate Facility for Municipal Solid Waste Collection in Surabaya City with Ant Colony Optimization Algorithm	Dayanara, D.H., Arvitrida, N.I., Siswanto, N.	2019	C	IOP Conference Series: Earth and Environmental Science
14	A supply chain network design under advance-cash-credit payment scheme	Tsao, Y.-C., Muthi'Ah, A.D., Arvitrida, N.I.	2019	C	ACM International Conference Proceeding Series
15	Blood supply chain challenges: Evidence from Indonesia	Mansur, A., Vanany, I., Arvitrida, N.I.	2019	C	Proceedings of the International Conference on Industrial Engineering and Operations Management
16	Integration of contract and spot market carrier under demand uncertainty	Kantari, L.A., Pujawan, I.N., Arvitrida, N.I.	2019	C	Proceedings of the International Conference on Industrial Engineering and Operations Management
17	Food waste in supply chains: A literature review	Cahyana, A.S., Vanany, I., Arvitrida, N.I.	2019	C	Proceedings of the International Conference on Industrial Engineering and Operations Management
18	Pricing decision model for new and remanufactured short life-cycle products with green consumers	Gan, S.-S., Pujawan, I.N., Wahjudi, D., Tanoto, Y.Y	2019	J	Journal of Revenue and Pricing Management
19	Changes in Layout and Handling Method for Raw Materials to Reduce Put Away and Picking Time: A Plastic Packaging Manufacturer Case Study	Parameswari, Z., Pujawan, I.N.	2019	C	IOP Conference Series: Materials Science and Engineering
20	Spare parts demand forecasting in energy industry: A stacked generalization-based approach	Tsao, Y.-C., Kurniati, N., Pujawan, I.N., Yaqin, A.M.A.	2019	C	ACM International Conference Proceeding Series
21	A Numerical Analysis Model Involving Carbon Emissions in a Single Echelon Supply Chain Systems with Two Distribution Channels: Proposed preliminary model	Murdapa, P.S., Pujawan, I.N., Karningsih, P.D., Nasution, A.H., Murdapa, P.S.	2019	C	2019 IEEE 6th International Conference on Industrial Engineering and Applications, ICIEA 2019
22	Combinational disruptions impact analysis in road freight transportation network	Rosyida, E.E., Santosa, B., Pujawan, I.N.	2019	C	AIP Conference Proceedings

23	Inventory Analysis on a Single-Echelon Supply Chain System by Considering Carbon Emissions	Murdapa, P.S., Pujawan, I.N., Karningsih, P.D., Nasution, A.H.	2019	C	IEEE International Conference on Industrial Engineering and Engineering Management
24	Mitigating transportation disruptions in a supply chain: a cost-effective strategy	Albertzeth, G., Pujawan, I.N., Hilletoth, P., Tjahjono, B.	2019	J	International Journal of Logistics Research and Applications
25	Inventory strategy for spare parts redundancy to support server operations during production processes	Lukitosari, V., Suparno, Pujawan, I.N., Widodo, B.	2019	J	Production and Manufacturing Research
26	Logistic strategy to face disruption in freight multimodal transportation network	Rosyida, E.E., Santosa, B., Pujawan, I.N.	2019	C	Proceedings of the International Conference on Industrial Engineering and Operations Management
27	A mixed integer linear programming model for dynamic supplier and carrier selection problems	Wicaksono P, Nyoman Pujawan I, Widodo E	2019	J	International Journal of Procurement Management
28	Development of Seeding and Planting Scheduling Algorithms for Contract Farming of Organic Vegetable with Multi Seeding and Planting Center	Putri, M.M., Mardhiyyah, Y.S., Rusdiansyah, A	2019	C	Journal of Physics: Conference Series
29	Analysis of costs and emissions on the addition of production capacity of the power plant using multi echelon economic dispatch	Gani, I., Wahyuda, Santosa, B., Muliati, Rusdiansyah, A.	2019	C	AIP Conference Proceedings
30	Decision Support System of the Single Track Railway Rescheduling with Predictive Delay	Rusdiansyah, A., Iswardani, K.	2019	C	IEEE International Conference on Industrial Engineering and Engineering Management
31	Review of Refrigerated Inventory Control System for Perishable Products	Satiti, D., Rusdiansyah, A., Dewi, R.S	2019	C	IEEE International Conference on Industrial Engineering and Engineering Management
32	Model of stochastic spanning revenue-sharing contracts for multi-echelon supply chains	Rusdiansyah, A., Putri, R.D.A	2019	J	Journal of Revenue and Pricing Management
33	Power plant allocation using transportation model and economic dispatch considering emissions	Wahyuda, Santosa, B., Rusdiansyah, A	2019	J	World Review of Intermodal Transportation Research
34	Maritime inventory routing problem with multiple time windows	Siswanto, N., Wiratno, S.E., Rusdiansyah, A., Sarker, R.	2019	J	Journal of Industrial and Management Optimization
35	Application of Bayesian Network for Food Safety Risk in Cattle Slaughtering Industry	Wahyuni, H.C., Vanany, I., Ciptomulyono, U.	2019	C	IEEE International Conference on Industrial Engineering and Engineering Management
36	Integration Assessment and Evaluation of Supplier Performance System in Electricity Generation Company	Musyahidah, B., Vanany, I.	2019	C	IOP Conference Series: Materials Science and Engineering
37	An Inventory Management Model for Product-Service System in Dual-Channel Supply Chain	Widodo, E., Sitohang, E.A.G., Vanany, I.	2019	C	IOP Conference Series: Materials Science and Engineering
38	Drug Supplies Planning in Hospital for Epidemic Attack using SEIR Model	Syahrir, I., Suparno, Vanany, I.	2019	C	Journal of Physics: Conference Series
39	Integration of a balanced scorecard, DEMATEL, and ANP for measuring the performance of a sustainable healthcare supply chain	Leksono, E.B., Suparno, S., Vanany, I.	2019	J	Sustainability (Switzerland)
40	Cost-benefit model in improving traceability system: case study in Indonesian bulk-liquid industry	Gunawan, I., Vanany, I., Widodo, E.	2019	J	Supply Chain Forum
41	Application of multi-based quality function deployment (QFD) model to improve halal meat industry	Vanany, I., Maarif, G.A., Soon, J.M.	2019	J	Journal of Islamic Marketing
42	Food Safety and Halal Food Risks in Indonesian Chicken Meat Products: An Exploratory Study	Wahyuni, H.C., Vanany, I., Ciptomulyono, U.	2019	C	IEEE International Conference on Industrial Engineering and Engineering Management
43	Development of Halal Audit Information System (HAIS) and its Implementation Evaluation Based on Time-cost Trade-off Using Integer Linear Programming (ILP)	Vanany, I., Maftuhah, D.I., Soeprijanto, A., Arifin, F.R.	2019	C	IEEE International Conference on Industrial Engineering and Engineering Management
44	Biomass Supply Chain Design, Planning and Management: A Review of Literature	Agustina, F., Vanany, I., Siswanto, N	2019	C	IEEE International Conference on Industrial Engineering and Engineering Management
45	Improving Traceability System in Indonesian Coconut Oil Company	Gunawan, I., Vanany, I., Widodo, E., Mulyana, I.J.	2019	C	IEEE International Conference on Industrial Engineering and Engineering Management
46	Food safety and halal food in the supply chain: Review and bibliometric analysis	Wahyuni H, Vanany I, Ciptomulyono U	2019	J	Journal of Industrial Engineering and Management (2019)
47	Selection process of sustainable production indicators using eco-quality function deployment	Pusporini P, Vanany I	2019	C	IOP Conference Series: Materials Science and Engineering (2019)

48	Inventory management in healthcare supply chain under uncertainty and emergency: A literature review	Syahrir, I., Suparno, Vanany, I.	2019	J	Journal of Advanced Research in Dynamical and Control Systems
49	Development of delivery consolidation procedures at courier service companies using Monte Carlo simulation	Hartanto, D., Bunyannudin, A.	2019	C	IOP Conference Series: Materials Science and Engineering
50	Implementing PPM framework to customer's switching behaviour in dual-channel service supply chain	Widodo, E., Palullungan, D., Syairudin, B	2019	J	Journal of Physics: Conference Series
51	Collaboration of corporate social responsibility and community development activity for pollution reduction (Case in Indonesian power plant csr activities)	Handiwibowo, G.A., Noer, L.R., Syairudin, B	2019	C	Pollution Research
52	PSS Strategic alignment: Linking service transition strategy with PSS business model	Sholihah, M., Maezono, T., Mitake, Y., Shimomura, Y.	2019	C	Sustainability (Switzerland)
53	An asymmetry analysis method to support value co-creation in product/service design	Abe, S., Tsutsui, Y., Mitake, Y., Sholihah, M., Hara, N., Shimomura, Y.	2019	J	Procedia CIRP
54	Development of facilitation tool for dissemination of product-service system design education	Mitake, Y., Maezono, T., Sholihah, M., Shimomura, Y.	2019	J	Journal of Advanced Mechanical Design, Systems and Manufacturing
55	Innovative design method for a valuable product-service system: Concretizing multi-stakeholder requirements	Sholihah, M., Mitake, Y., Nakada, T., Shimomura, Y.	2019	J	Journal of Advanced Mechanical Design, Systems and Manufacturing
56	Towards development a PSS business evaluation: Proposal of internal and external analysis for sevitzizing manufacturers	Sholihah, M., Maezono, T., Mitake, Y., Shimomura, Y.	2019	J	Procedia CIRP
57	Lean startup for continuous process improvement, in the manufacturing sector	Supriyanto, H., Prasetyawan, Y.	2019	J	International Journal of Mechanical and Production Engineering Research and Development
58	Empowering product development through creative culinary house design	Prasetyawan, Y., Suef, M., Supriyanto, H., Wardani, I.O.K.	2019	C	IOP Conference Series: Materials Science and Engineering
59	Managing on lean service in sports industry	Supriyanto, H., Saputra, Y.A	2019	J	International Journal of Mechanical Engineering and Technology
60	The effect of cognitive and affective aspects on usability	Prastawa, H., Ciptomulyono, U., Laksono-Singgih, M., Hartono, M.	2019	J	Theoretical Issues in Ergonomics Science
61	Life cycle - Value stream mapping: Evaluating sustainability using lean manufacturing tools in the life cycle perspective	Hartini, S., Ciptomulyono, U., Anityasari, M.	2019	C	AIP Conference Proceedings
62	Determining factors of quality uncertainty and its control analysis in remanufacturing system	Mustajib, M.I., Ciptomulyono, U., Kurniati, N.	2019	J	International Journal of Applied Science and Engineering
63	Location Selection Analysis for New Shipyard Using Integration of DEMATEL and ANP: A Case Study (PT IKI)	Sukisno, Singgih, M.L.	2019	C	IOP Conference Series: Materials Science and Engineering
64	Performance measurement on lease equipment with overall equipment effectiveness	Supriatna, A., Singgih, M.L., Widodo, E., Kurniati, N.	2019	C	AIP Conference Proceedings
65	Maintenance management improvement based on reliability centered maintenance II in energy generating industries	Singgih, M.L., Prasetyawan, Y., Sutikno, (...), Kurniawan, F.R., Wicaksana, W.T.	2019	C	IOP Conference Series: Materials Science and Engineering
66	Lean Assessment Matrix: A Proposed Supporting Tool for Lean Manufacturing Implementation	Karningsih, P.D., Pangesti, A.T., Suef, M.	2019	C	IOP Conference Series: Materials Science and Engineering
67	Determination of optimum vulcanization process parameters using Taguchi GRA for reducing quality loss cost	Yudha, F.A., Soepangkat, B.O.P., Ratnasari, V., Suef, M., Norcahyo, R.	2019	C	AIP Conference Proceedings
68	Acceleration for the Administration Process of Project Contract in Power Plant Service Company using DMAIC	Widi Bhawika, G., Suef, M.	2019	J	Journal of Physics: Conference Series
69	Manufacturing strategy improvement based on lean methodology	Prasetyawan, Y., Suef, M., Rifqy, N., Wardani, I.O.K.	2019	C	IOP Conference Series: Materials Science and Engineering
70	Automation strategy for local commodity enhancement	Prasetyawan, Y., Agustuan, E., Kusuma Wardani, I.O.	2019	C	IOP Conference Series: Materials Science and Engineering
71	Integrated manufacturing system framework for sustainable maritime tourism	Prasetyawan, Y., Yuwana, L., Yuniarto, A., (...), Kurniawan, F.R., Wardani, I.O.K.	2019	C	IOP Conference Series: Materials Science and Engineering
72	Evaluation of fertilizer products storage system considering seasonal demand using discrete event simulation	Siswanto, N., Putriani, S., Latiffianti, E.	2019	C	Proceedings of the International Conference on Industrial Engineering and Operations Management

73	Developing Bulk-Liquid Traceability in Indonesian Coconut Oil Company	Gunawan, I., Vanany, I., Widodo, E., Mulyana, I.J., Cornelius, K.	2019	C	IEEE International Conference on Industrial Engineering and Engineering Management
74	Model of quality costs and economic benefits of a business process of manufacturing companies	Rosiawan, M., Laksono Singgih, M., Widodo, E.	2019	J	Cogent Engineering
75	Availability of empty fruit bunch as biomass feedstock for sustainability of bioenergy product (system dynamic approach)	Rahayu, D.E., Wirjodirdjo, B., Hadi, W.	2019	C	AIP Conference Proceedings
76	The fuzzy Mamdani implementation to predict blood stock needs in blood transfusion unit of Palang Merah Indonesia (PMI) in Bandung district	Wulan, E.R., Sandi, G., Shahira, S., Firdaus, M.D., Saputra, Y.	2019	J	Journal of Physics: Conference Series
77	Design Non-Invasive of Blood Sugar Detector Prototypes Using Cellular Technology GPS-Based	Santoso, G., Hani, S., Kristiyana, S., Saputra, Y.A.	2019	J	Journal of Physics: Conference Series
78	Influence of inventory changes to bullwhip effect on private industrial network	Mudjahidin, Junaedi, L., Aristio, A.P., Saputra, Y.A.	2019	J	Procedia Computer Science
79	A Simulation study of availability analysis on a chemical process industry considering spare part inventory	Salsabila, N.Y., Siswanto, N.	2019	C	IOP Conference Series: Materials Science and Engineering
80	Solving Deficit Funding Issues in Indonesian Health Insurance Systems	Kurnianingtyas, D., Santosa, B., Siswanto, N.	2019	C	IEEE International Conference on Industrial Engineering and Engineering Management
81	Financial Strategy Model for Social Health Insurance in Indonesia using Simulation	Kurnianingtyas, D., Santosa, B., Siswanto, N.	2019	C	IOP Conference Series: Materials Science and Engineering
82	A new metaheuristics for solving vehicle routing problem: Partial Comparison Optimization	Adhi, A., Santosa, B., Siswanto, N.	2019	C	IOP Conference Series: Materials Science
83	System dynamics simulation to determine financial strategy for social health insurance in Indonesia	Kurnianingtyas, D., Santosa, B., Siswanto, N.	2019	C	Journal of Physics: Conference Series
84	Dissolved oxygen dynamic system model for the determination of the waste assimilating capacity at Brantas river Malang city	Hendriarianti, E., Karnaningroem, N., Siswanto, N., (...), Eddy, S.S., Notodarmojo, S.	2019	C	IOP Conference Series: Materials Science and Engineering
85	Effect of magnesium surfactant on wettability of carbon nanotube in A356 alloy composite	Hanizam, H., Salleh, M.S., Omar, M.Z., (...), Yahaya, S.H., Siswanto, N.	2019	J	Journal of Advanced Manufacturing Technology
86	A new metaheuristics for solving traveling salesman problem: Partial comparison optimization	Adhi, A., Santosa, B., Siswanto, N.	2019	C	Proceedings of the International Conference on Industrial Engineering and Operations Management
87	Decentralization of medical emergency service to minimize response time	Umam, M.I.H., Kurnianingtyas, D., Santosa, B., Siswanto, N.	2019	C	Proceedings of the International Conference on Industrial Engineering and Operations Management 2019 (MAR) ,pp.1072
88	The effects of chromosome length on hyper-heuristics for solving the maritime inventory routing problems	Siswanto, N.	2019	C	Proceedings of the International Conference on Industrial Engineering and Operations Management 2019 (MAR) ,pp.1733
89	Multi objective optimization of vulcanization process parameters for reducing quality loss cost based on BPNN-PSO method	Aji, H.S., Soepangkat, B.O.P., Santosa, B., Norcahyo, R.	2019	C	AIP Conference Proceedings
90	Multi Echelon Distribution Model for Electric Market Deregulation Collaboration Strategy in East Kalimantan	Gani, I., Wahyuda, Santosa, B., Muliati	2019	C	IOP Conference Series: Materials Science and Engineering
91	Multi Echelon Distribution Model for Electric Market Deregulation Collaboration Strategy in East Kalimantan	Gani, I., Wahyuda, Santosa, B., Muliati	2019	C	IOP Conference Series: Materials Science and Engineering
92	Food processing industry and ergonomics handicraft creation from shellfish	Nurmianto, E., Pamungkas, A.	2019	C	IOP Conference Series: Materials Science and Engineering
93	Design of mobile, portable and ergonomic fish smoke machine on a motorcycle	Nurmianto, E., Anzip, A., Sampurno	2019	C	IOP Conference Series: Materials Science and Engineering