

# 13<sup>th</sup> ISIEM PARALLEL SESSION SCHEDULE

## Wednesday, 28 July 2021

Session 1 ( 13.00 – 15.00 )				
<b>Track : Production System (PS)</b>				
<b>Session ID:</b>		<b>S1.1</b>		
<b>Session Chair:</b>		<b>Dr Abdelnaser Omran Ali</b>		
<b>Session Parallel:</b>		<b>Dr. Ir. Nofi Erni, MM / Taufiqur Rachman, ST, MT</b>		
<b>Paper ID</b>	<b>Time</b>	<b>Name</b>	<b>Title</b>	<b>University</b>
45	13.00 - 13.10	Sri Raharno, <b>Ari Setiawan</b> , Rachmad Hartono, Harry Prayoga, Muhammad Zufahmi, Vina S. Yosephine	The Smart Factory Model for Bogie Assembly Workshop in the Rolling Stock Industry	Institut Teknologi Bandung, Universitas Pasundan
100	13.10 - 13.20	<b>Docki Saraswati</b> , Debbie Kemala Sari, Fani Puspitasari and Fitri Amalia	Forecasting Product Returns using Artificial Neural Network for Remanufacturing Processes	Universitas Trisakti
50	13.20 - 13.30	Sri Raharno, <b>Muhammad Zufahmi Febriansyah</b> , and Yatna Yuwana Martawirya	Development of Operation Scheduling Systems at Workstations with the Autonomous Distributed Manufacturing Systems (ADiMS) Concept	Institut Teknologi Bandung
55	13.30 - 13.40	Nguyen Phi Trung, Nguyen Dat and <b>Ha Trung Hau</b>	Application of the Lean Method in Designing Layout of 4.0 Rubber and Plastic Manufacturing Plants	Ho Chi Minh City, University of Technology and Education, Vietnam
	13.40 - 14.00	Q & A		
36	14.00 - 14.10	<b>Fani Puspitasari</b> , Docki Saraswati and Zuleika Shabrina	Application of Fourier Grey Model (FGM) for Demand Forecasting and Markov Chain Method for Inventory Planning	Universitas Trisakti
119	14.10 - 14.20	<b>Widia Juliani</b> , Puput Nidaul Choiriyah, Sarah Ayutami	Designing Electronic Kanban using CONWIP Method to Reduce Delays on Pylon Assembly Line in PT XYZ	Telkom University
41	14.20 - 14.30	<b>Paduloh</b> , Nicky Yuhan, Achmad Muhazir, Iskandar Zulkarnaen and Murwan Widyantoro	Design Model Forecasting and Delivery Requirement Planning for Fast Food product	Bhayangkara Jakarta Raya University
87	14.30 - 14.40	David Delbert and <b>Taufik Roni Sahroni</b>	The Mushroom Media Cultivation using Green Productivity Methodology	Bina Nusantara University

	14.40 - 15.00	Q & A		
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Session 1 ( 13.00 – 15.00 )				
Track : Ergonomics & Product Design (ERPD)				
Session ID:		S1.2		
Session Chair:		Dr. Adianto		
Session Parallel:		Dr. Lamto Widodo, S.T., M.T., IPM.		
Paper ID	Time	Name	Title	University
84	13.00 - 13.10	<b>Desinta Rahayu Ningtyas</b> , Dio Panji Rizky, Kirana Rukmayuninda Ririh, Febrian Isharyadi and Anggina Sandy Sundari	Design of Handgrip for Commuter Line Electric Train using House of Quality (HOQ)	University of Pancasila, National Standardization Agency of Indonesia
85	13.10 - 13.20	<b>Khristian Edi Nugroho Soebandrija</b> , Gatot Suharjanto, Rafi Farhan Ramadhan and Yosica Mariana	Sustainable Product and Service Systems Engineering: Engineering Multidisciplinary and Stakeholders Perspectives on Strategic Marketing	Bina Nusantara University
26	13.20 - 13.30	<b>Arnes Faradilla</b> , Ismy Navira Fauziah and Nora Azmi	Analysis of Work System to Productivity with Work Stress as Moderating Variable	Universitas Trisakti
51	13.30 - 13.40	<b>Wawan Tripiawan</b> , Abraham Agus Stefanus Simanjuntak and Meldi Rendra	Design and Implementation of Quality Metric Using Internal Control Method For Quality Control of Pertamina SPBU Digitization Project (Case Study PT XYZ)	Telkom University
	13.40 - 14.00	Q & A		
112	14.00 - 14.10	<b>Yansen Theophilus</b> , Leotan Saputra and Ivana Mira Tamtomo	Designing Persuasive Technology Applications to Solve Human Behavior Problems: Enhancing Better Lifestyle on Millennials	Parahyangan Catholic University
110	14.10 - 14.20	<b>Khristian Edi Nugroho Soebandrija</b> and Henry Jovanko	Sustainable Product Design Engineering in Industry 4.0: Civilian and Military Drones vis-à-vis Digital Transformation	Bina Nusantara University
92	14.20 - 14.30	<b>Hung-Son Dang</b> and Thi-Anh-Tuyet Nguyen	Investigating the Effect of Room Air-Conditioning Temperature on Force Resistance of 3D Printer Hook Using Taguchi Method	University of Technology Education Ho Chi Minh City
106	14.30 - 14.40	<b>Hartomo Soewardi</b> and Dean Tirkaamiana	Eye-Tracking Approach for Analysing the Advertisement Criteria of the Most Attractive Sport Drinks	Universitas Islam Indonesia
	14.40 - 15.00	Q & A		

Session 1 ( 13.00 – 15.00 )				
Track : Supply Chain Management (SCM)				
Session ID:		S1.3		
Session Chair:		Dr. Ir. Sawarni Hasibuan, MT. IPU		
Session Parallel:		Dr. Hasbullah, ST., MT. IPM		
Paper ID	Time	Name	Title	University
8	13.00 - 13.10	<b>Erni Krisnaningsih,</b> Marimin, Yandra Arkeman and Erliza Hambali	Bibliometric Mapping of Biomass For Energy Supply Chain Model : Review and Future Research agenda	IPB
11	13.10 - 13.20	<b>Triwulandari S Dewayana,</b> Recky Pahlevi and Winnie Septiani	Methods and Approaches Mapping for Supplier Selection: Literature Review	Universitas Trisakti
34	13.20 - 13.30	<b>Alfa Firdaus</b> and Uly Amrina	Analyzing the Gap in Supply Chain Business Process of National Engineering Procurement Construction (EPC) Company Using Rapid Assessment Procedure	Universitas Mercu Buana
31	13.30 - 13.40	<b>Nurhayati Sembiring,</b> Humala Lodewijk Napitupulu, Muhammad Dio Ariqsyah and Muhammad Ra'uf Simanjuntak	Hybrid Simulation of Supply Chain: A Review	Universitas Sumatera Utara
	13.40 - 14.00	Q & A		
21	14.00 - 14.10	<b>Arif Suryadi</b> and Hsin Rau	Resilient and Sustainable Supplier Selection: Trends in Criteria and Methods	Universitas Maranata, Chung Yuan Christian University - Taiwan
35	14.10 - 14.20	Noman Mansub, Ambreen Khattak, Tayyaba Shaheen, <b>Muhammad Shafiq,</b> Hakeem Rehman, Fizza Ghulam Nabi and Muhammad Abdul Rehman	Impact of Supply Chain Practices on Customers' Retention	University of Engineering and Technology, Taxila, University of the Punjab - Pakistan
46	14.20 - 14.30	<b>Nurhayati Sembiring,</b> Bayu Febriliandika, Hafidah Oktaviani, Lina Sari Siregar, and Muhammad Fadly Tanjung	Implementation Of Artificial Intelligence in Improving the Quality of Service System in Telecommunications Industry	Universitas Sumatera Utara
20	14.30 - 14.40	<b>Hasbullah,</b> Salleh Ahmad Bareduan and Sawarni Hasibuan	A Maturity Model of Industry 4.0 in Developing Country; Challenges and Enablers in Indonesia for Using INDI 4.0 as A Measuring Instrument of I4.0 Readiness	Universitas Mercu Buana
	14.40 - 15.00	Q & A		

Session 1 ( 13.00 – 15.00 )				
Track : Quality Management (QM)				
Session ID:		S1.4		
Session Chair:		Dr. Rina Fitriana, S.T., M.M., IPM		
Session Parallel:		Emelia Sari, PhD		
Paper ID	Time	Name	Title	University
2	13.00 - 13.10	<b>Riana Magdalena Silitonga</b> and Yung Tsan Jou, M C Lin	Reducing Defect Products in Instant Noodles Production with Six Sigma	Chung Yuan Christian University, Taiwan
144	13.10 - 13.20	<b>Vivi Triyanti</b> , Hardianto Iridiastadi and Yassierli Yassierli	Utility of Reaction Time in Measuring Fatigue Associated with Short-Period, High-Cognitive Load Task	Atma Jaya Catholic University of Indonesia, ITB
48	13.20 - 13.30	<b>Sri Indrawati</b> , Hafizha D M Amalia and Atyanti Dyah Prabaswari	Production Quality Improvement Through Six Sigma: A Crude Palm Oil Industry Case Application	Universitas Islam Indonesia
116	13.30 - 13.40	<b>Ming Chang Lin</b> , Y T Jou, R M Silitonga, S P D Kristiana	Utilizing Integrated Performance Measurement System and Analytical Hierarchy Process for Competitive Advantage	Chung Yuan Christian University-Taiwan, Atma Jaya Catholic University of Indonesia
	13.40 - 14.00	Q & A		
53	14.00 - 14.10	<b>Tiena Amran</b> , Emelia Sari and Teuku Farhan Moeli	Sustainability Index Measurement for Furniture Manufacture Strategy	Universitas Trisakti
80	14.10 - 14.20	<b>Emelia Sari</b> , Azanizawati Ma'aram, Awaluddin Mohamed Shahrourun, Ridha Satria and Tiena Gustina Amran	Key Drivers of Sustainable Maintenance Practices for Automotive Industry	Universitas Trisakti, Universiti Teknologi Malaysia, Islamic University of Madinah, Universitas Indonesia
108	14.20 - 14.30	<b>Hikmah Fitriani Tamher</b> , Johnson Saragih and Anik Nur Habyba	Quality Improvement on Pipe Production using Six Sigma and Data Mining in PT. FIP	Universitas Trisakti
135	14.30 - 14.40	Salahaldein Alsadey, Abdelnaser Omran and Zaynab Jamal	Construction Waste Quantification And Benchmarking In Libya	Bani Waleed University, Bright Star University
	14.40 - 15.00	Q & A		

**Session 1 ( 13.00 – 15.00 )**

<b>Track : Industrial System (IS)</b>				
<b>Session ID:</b>		<b>S1.5</b>		
<b>Session Chair:</b>		<b>Prof. Wei-Jung Shiang</b>		
<b>Session Parallel:</b>		<b>Dr. Dino Rimantho /Nur Yulianti Hidayah, ST., MT</b>		
<b>Paper ID</b>	<b>Time</b>	<b>Name</b>	<b>Title</b>	<b>University</b>
73	13.00 - 13.10	<b>Dino Rimantho</b> ; Indah Lukita Sari and Sodikun	Lean Manufacturing Implementation Strategy in The Pharmaceutical Industry Production Processes: A VSM and AHP Approach	Universitas Pancasila
150	13.10 - 13.20	<b>Nguyen Thi Xuan Hoa</b> , Vu Hai Anh, Nguyen Quang Anh and Nguyen Dac Viet Ha	Applying Genetic Algorithm for Capacitated Vehicle Routing Problem and Vehicle Selection-Case Study of Vietnam Logistics Company	Hanoi University of Science and Technology, Vietnam
127	13.20 - 13.30	<b>Marsellinus Bachtiar Wahju</b> and Tajuddin Nur	Opportunity and Challenge for Small Wind Power Project in Indonesia	Atma Jaya Catholic University of Indonesia
67	13.30 - 13.40	<b>Nur Yulianti Hidayah</b> , Dino Rimantho, Anggina Sandy Sundari and Ayu Herzanitha	Analysis of the Relationship between Composite Board Thickness and Its Ability to Muffle Sounds	University Of Pancasila
	13.40 - 14.00	Q & A		
69	14.00 - 14.10	Arrys Hadarwan and <b>Danang Setiawan</b>	An evaluation of the production risk of broilers day old chicks (DOC) in the hatchery unit using Z Score and Value at Risk	Universitas Islam Indonesia
148	14.10 - 14.20	<b>Muhammad Yudi Masduky Sholihin</b> , R Prasetyani and Grief Kiki	Strategy Analysis of Fire Victims Evacuation Queues on Building Areas in Compliance with SMK3 Regulations in order to Green Campus (Case Study of the Faculty of Engineering, Pancasila University (FTUP))	University Of Pancasila
147	14.20 - 14.30	<b>Edvi Gracia Ardani</b> and Anton Harianto	The Use of QR Code in the Restaurant Service: Are the Consumers Ready?	Universitas Agung Podomoro, Universitas Multimedia Nusantara
79	14.30 - 14.40	<b>Wahyukaton</b> and Ramdani Herman	Capability Process on Shewhart $p$ Control Chart and ISRT $p$ EWMA Control Chart on Shift Drum Production	Universitas Pasundan
	14.40 - 15.00	Q & A		

Session 1 ( 13.00 – 15.00 )				
Track : Decision Analysis and Information System (DAIS)				
Session ID:		S1.6		
Session Chair:		Dr. Ir. Zulfa Fitri Ikatrinasari		
Session Parallel:		Dr. Arief Suwandi, ST., MT., IPM		
Paper ID	Time	Name	Title	University
17	13.00 - 13.10	Nunung Nurhasanah, Machfud, Djumali Mangunwidjaja, Muhammad Romli and Marimin	The Blue Print of Intelligent Decision Support System for Supply Chain Kenaf Agroindustry	IPB
77	13.10 - 13.20	<b>Kevin Augusto Asyraf</b> , Winnie Septiani and Dian Mardi Safitri	Usability Testing and Heuristic Evaluation for Improving Usability Registration of Website Hospital	Royal Melbourne Institute of Technology University, Universitas Trisakti
140	13.20 - 13.30	<b>Praptiana Raisya Syarif</b> , Wawan Tripiawan and Ika Arum Puspita	Designing Master Plan for Website and Information System Project of Smart Campus ABC University in PT. XYZ	Telkom University
37	13.30 - 13.40	<b>Novia Rahmawati</b> , Muhammad Rizki Azhar and Winnie Septiani	Usability Evaluation and Improvement Design of Hospital Mobile Website	Universitas Trisakti
	13.40 - 14.00	Q & A		
10	14.00 - 14.10	<b>Winnie Septiani</b> , Recky Pahlevi and Triwulandari S Dewayana	Decision Support System for Raw Material Supplier Selection by Using Fuzzy AHP-TOPSIS Method in PT Mulia Glass	Universitas Trisakti
24	14.10 - 14.20	Zulfa Fitri Ikatrinasari and <b>Hendrik Hariyono</b>	Analysis of Big Losses to Increase Productivity with SMED Method in Hand Sanitizer Products	Universitas Mercu Buana
59	14.20 - 14.30	<b>Novia Rahmawati</b> , Rahmi Maulidya and Nabila Hapsari	Waste Identification Using Value Stream Mapping in the Pig Launcher Production Process	Universitas Trisakti
43	14.30 - 14.40	Zulfa Fitri Ikatrinasari and <b>Iman Nurjaman</b>	Warehouse Management Analysis with Value Stream Mapping And 5s To Improve Efficiency Process Productivity	Universitas Mercu Buana
	14.40 - 15.00	Q & A		

Session 1 ( 13.00 – 15.00 )				
Track : Industrial System (IS)				
Session ID:		S1.7		
Session Chair:		Niken Parwati, ST., MM		
Session Parallel:		Azizah Andra Risa Tassha Chairiyah		
Paper ID	Time	Name	Title	University
99	13.00 - 13.10	Salwa Kamilia Hasna and <b>Muhammad Ragil Suryoputro</b>	Analytical Study on Power Supply Company Productivity: A Case Study in Indonesia	University of Surabaya
129	13.10 - 13.20	Devi Pratami, IGN Aditya, Imam Haryono	Designing Risk Response from Qualitative Analysis, A Strategy for Avoiding The Project Failure (Case Study: Coffee Plant Construction Project)	Telkom University
71	13.20 - 13.30	<b>Minh Tai Le</b> , Thi Thuy Duong Pham and <b>Dinh Quang Nguyen</b>	Improving Capacity and Production Quality of The Footwear Industry: A case study of Binh Tien Company Limited, Vietnam	Ho Chi Minh City University of Technology and Education
138	13.30 - 13.40	Bambang Cahyadi, Sodikun and <b>Gita Aprilia Timang</b>	Mapping of Noise Contours due to the Production Process of Bolts and Nuts in the Production Department and Residences Environment of Pasir Angin Village, Cileungsi, Bogor Regency	Pancasila University
	13.40 - 14.00	Q & A		
13	14.00 - 14.10	<b>Azizah Andra Risa Tassha Chairiyah</b> , Niken Parwati, Aprilia Tri Purwandari and Widya Nurcahayanty Tanjung	Risk Analysis and Safety Improvement of Plastic Waste Processing Machine	Al Azhar Indonesia University
12	14.10 - 14.20	<b>Nadiya Hasna Fakhirah Hartanto</b> , Widya Nurcahayanty Tanjung, Niken Parwati and Aprilia Tri Purwandari	Redesign Plastic Waste Processing Machine by Using the Lean Product Development Method	Al Azhar Indonesia University
76	14.20 - 14.30	<b>Rudy Vernando Silalahi</b> , Tiffany and Andry Panjaitan	Brand Awareness Building through Social Media (Facebook and Instagram) (case study: GianTree Startup)	Pelita Harapan University
60	14.30 - 14.40	<b>Dicky Sumantri</b> , Aprilia Tri Purwandari, Niken Parwati and Widya Nurcahayanty Tanjung	Ergonomic Design Improvement of Plastic-Waste Processing Machine Based on Posture Analysis	Al Azhar Indonesia University
	14.40 - 15.00	Q & A		

**Session 1 ( 13.00 – 15.00 )**

<b>Track : Operation Research (OR)</b>				
<b>Session ID:</b>		<b>S1.8</b>		
<b>Session Chair:</b>		<b>Prof. Yun-Chia Liang</b>		
<b>Session Parallel:</b>		<b>Christine Natalia, ST. MT</b>		
<b>Paper ID</b>	<b>Time</b>	<b>Name</b>	<b>Title</b>	<b>University</b>
22	13.00 - 13.10	<b>Natalia Hartono</b> , Asrul Harun Ismail, Sultan Zeybek, Mario Caterino, Kaiwen Jiang and Murat Sahin	Parameter Tuning for Combinatorial Bees Algorithm in Travelling Salesman Problems	University of Birmingham
114	13.10 - 13.20	Lama Soliman Khaled and <b>Martino Luis</b>	Simulation based Facility Location Modelling in a Sustainable Closed-Loop Supply Chain Network	University of Exeter
104	13.20 - 13.30	<b>Tjutju Tarlih Dimiyati</b>	Agglomerative Hierarchical Clustering in Determining the Location of Bio-briquette Plant in Majalengka Regency	Universitas Pasundan
115	13.30 - 13.40	<b>Fran Setiawan</b> , Sugih Sudharma Tjandra and Wendy Kurnia	Multi-Objective Heterogeneous Vehicle Routing Problem with Multi-Trips in Urban Logistics Context	Universitas Katolik Parahyangan
	13.40 - 14.00	Q & A		
70	14.00 - 14.10	<b>Harmi Andrianya</b> , Sukardi, Elisa Anggraeni and Sapta Raharja	Actor-Objectives Analysis in Technology Transfer Systems in Agricultural Technology Parks using MACTOR Analysis	Ministry of Agriculture Republic Indonesia, IPB
145	14.10 - 14.20	Ineu Widaningsih, Anas Ma'Ruf, Suprayogi and Dradjad Irianto	Binary Coding Enumeration for Multi-dimensional Problem in Sculptured Dies Cavity Roughing Optimization	Bandung Institute of Technology
123	14.20 - 14.30	<b>Muhammad Nurman Helmi</b>	Optimization of Capacitated Vehicle Routing Problems for Basic Needs of Urban Logistics - The Case of The City of Bandung	Universitas Pasundan
30	14.30 - 14.40	Asyia Mobeen, Muhammad Junaid Mohsin, Muhammad Shafiq and Iphov Kumala Sriwana	Dynamic Programming for Shortest Path Problem in a Multi-modal Transportation Network Comprising Intermediate Sinks	University of Engineering and Technology, Taxila – Pakistan, University of the Punjab– Pakistan, Universitas Esa Unggul
	14.40 - 15.00	Q & A		



**Session 1 ( 13.00 – 15.00 )**

**Track : Decision Analysis and Information System (DAIS)**

**Session ID:**

**S1.9**

**Session Chair:**

**Dr. Naraphorn Paoprasert**

**Session Parallel:**

**Dr. Sumarsono**

<b>Paper ID</b>	<b>Time</b>	<b>Name</b>	<b>Title</b>	<b>University</b>
89	13.00 - 13.10	<b>Jonny</b> , Kriswanto and Matsumura Toshio	Structural Equation Modelling for IoT and Big Data Implementation in Business Performance	Bina Nusantara University, Osaka University
75	13.10 - 13.20	<b>Taufik Baidawi</b> , Marimin Marimin, Suprihatin Suprihatin, Mulyorini Rahayuningsih and Wisnu Ananta Kusuma	Data Mining Based Framework for Identification and Disaster Risk Assessment in the Supply Chain	IPB
137	13.20 - 13.30	<b>Dutho Suh Utomo</b> , Naraphorn Paoprasert and Ramidayu Yousuk	Comparing the Effect of Electronic Word Of Mouth (e-WOM) In Facebook And Instagram on Donation Intention during Earthquakes in Indonesia	Kasetsart University
74	13.30 - 13.40	Taufik Djatna, <b>Irawan Afrianto</b> , Fitra Lestari, Taufik Baidawi, Harison, Dadang Kurnia, Sri Martini and Marimin	A Conceptual Modelling of Digital Contract for Independent Palm Oil Supply Chain Systems	IPB, UNiKOM, UIN Sultan Syarif Kasim
	13.40 - 14.00	Q & A		
57	14.00 - 14.10	<b>Amelia Defanka</b> , Endang Chumaidiya and Sinta Aryani	Online Business System Design and Business Finance Of Islamic Boarding School X Turmeric Powder In Selaawi	Telkom University
143	14.10 - 14.20	<b>Wisnu Sakti Dewobroto</b> and Enrica Sheree	The Utilization of Information Technology: Live Stream Shopping as an Innovation Strategy to Increase Online Store Sales in the Pandemic Period	Universitas Agung Podomoro
23	14.20 - 14.30	<b>Joko Sulistio</b> and Muchamad Sugarindra	Research opportunities on Energy Supply Chain Management	Universitas Islam Indonesia
98	14.30 - 14.40	Paduloh, <b>Iskandar Zulkarnaen</b> , Rizky Aziz Maulana, Rifda Ilahy Rosihan, Ismaniah and Sumanto	Reduction of the Bullwhip Effect on the Supply Chain using the Vendor Managed Inventory Case Study Bottled Drinking Water	Bhayangkara Jakarta Raya University
	14.40 - 15.00	Q & A		

**Session 2 ( 15.00 – 17.00 )**

<b>Track : Production System (PS)</b>				
<b>Session ID:</b>		<b>S2.1</b>		
<b>Session Chair:</b>		<b>Dr. Ir. Nofi Erni, MM</b>		
<b>Session Parallel:</b>		<b>Taufiqur Rachman, ST, MT</b>		
<b>Paper ID</b>	<b>Time</b>	<b>Name</b>	<b>Title</b>	<b>University</b>
15	15.00 - 15.10	<b>Maria Magdalena Wahyuni Inderawati</b> , Po Tsang B Huang, Ronald Sukwadi, Andre Sugioko, Tina Liana, and Y T Jou	Evaluation of E-Learning Implementation using Student Readiness Instruments	Atma Jaya Catholic University of Indonesia, Chung Yuan Christian University - Taiwan
142	15.10 - 15.20	<b>Iphov Kumala Sriwana</b> , Citra Putri Hutami, Nofi Erni and Taufiqur Rachman	Age Replacement Scheduling on Total Organic Carbon (TOC) Analyzer Instrument at XYZ Pharmaceutical, Ltd	Telkom University, Esa Unggul University
107	15.20 - 15.30	<b>Taufiqur Rachman</b> , Briliany Dewinda Mokoginta, Iphov Kumala Sriwana and Septian Rahmat Adnan	Performance Maintenance Evaluation and Determination of Machine Maintenance Schedule in PT. Hamdan Jaya Makmur Workshop Division	Esa Unggul University
6	15.30 - 15.40	<b>Fergyanto E. Gunawan</b> , Y Kanto, T H Nhan, I Kamil, Sutikno	Structural Health Monitoring for Intelligence Structure: Damage Feature	Bina Nusantara University
	15.40 - 16.00	Q & A		
141	16.00 - 16.10	<b>Nofi Erni</b> , Iip Muthalib and Septian Rahmat Adnan	Improvement of Process Quality using Taguchi Method on Solvent Production	Esa Unggul University
62	16.10 - 16.20	<b>Prafajar Suksessanno Muttaqin</b> , Fabian Redhatama and Fathul Ilimi Hakim	Block Layout for Stationery Store Using Data-driven and Market Basket Analysis	Telkom University
56	16.20 - 16.30	<b>Devi Pratami</b> , Wawan Tripiawan and Ika Arum Puspita	The Effect of Problem Based Learning Method to student online learning performance during Covid 19	Telkom University
86	16.30 - 16.40	Loveleen Rania Bestari Turima and <b>Taufik Roni Sahroni</b>	Analysis of Mercury Lamp Recycling to Implement the Circular Supply Chain	Bina Nusantara University
	16.40 - 17.00	Q & A		

**Session 2 ( 15.00 – 17.00 )**

**Track : Ergonomics & Product Design (EPD)**

**Session ID:**

**S2.2**

**Session Chair:**

**Dr. Adianto**

**Session Parallel:**

**Dr. Lamto Widodo, S.T., M.T., IPM**

<b>Paper ID</b>	<b>Time</b>	<b>Name</b>	<b>Title</b>	<b>University</b>
42	15.00 - 15.10	Atyanti Dyah Prabaswari and <b>Muhammad Ilham Mahfudhi</b>	Comparative Analysis of Mental Workloads for Disruption Technicians and New Installation Technicians Using the NASA-TLX Method (Case Study: PT Telkom Akses Kandatel Sleman)	Universitas Islam Indonesia
113	15.10 - 15.20	<b>Lamto Widodo</b> , I Wayan Sukania and Michael Hendri	Ergonomic Risk Analysis of Tofu Cutting Process at Raimin's Small and Medium Enterprise	Universitas Tarumanagara
101	15.20 - 15.30	<b>Chancard Basumerda</b> , Cut Rizki Artsitella and Danang Setiawan	Mental Workload Analysis of Workers in the Textile Manufacturing Company During The Covid-19 Pandemic Using NASA-TLX	Universitas Islam Indonesia
131	15.30 - 15.40	Prima Fithri, Hilma Raimona Zadry and <b>Ulfa Nadiatur Rahmi</b>	New Area of Food Packaging Design Research: A Systematic Review	Universitas Andalas
	15.40 - 16.00	Q & A		
152	16.00 - 16.10	Yenita, <b>Lamto Widodo</b>	Environmental, Social and Governance (ESG) Strategy Implementation Plan During the Covid-19 Pandemic at Retail Company "X" in Jakarta	Tarumanagara University
130	16.10 - 16.20	<b>Wawan Tripiawan</b> , Ika Arum Puspita and Winda Maya Frestikawati	Risk Assessment Design and Risk Mitigation in The Telecommunication Network Infrastructure Project (Case Study of Migration Project)	Telkom University
83	16.20 - 16.30	<b>Mira Rahayu</b> , Fandi Oktafian and Yusuf Nugroho Doyoyekti	A Crusher Machine Design at PT XYZ Using Rational Product Design Method	Telkom University
125	16.30 - 16.40	<b>Arrahmah Aprilia</b> , Taufik Djatna, Nastiti Siswi Indrasti and Sugiarto	Deep Walk and PCA Based Conceptual Model of Sustainable Packaging Design	IPB University
	16.40 - 17.00	Q & A		

Session 2 ( 15.00 – 17.00 )				
Track : Supply Chain Management (SCM)				
Session ID:		S2.3		
Session Chair:		Dr. Ir. Sawarni Hasibuan, MT. IPU		
Session Parallel:		Dr. Hasbullah, ST., MT. IPM		
Paper ID	Time	Name	Title	University
121	15.00 - 15.10	<b>M. Rafif Aliyasyah</b> , Ari Yanuar Ridwan, Femi Yulianti and Rosad Ma'Ali El Hadi	Sustainable Supply Chain Analysis and Risk Prevention Business Process Using House of Risk Model	Telkom University
91	15.10 - 15.20	<b>Teuku Adya Maulizar</b> , Yusya Abubakar and Yusriana	Structure Analysis and Supply Chain Strategy Development Natural Rubber Production	Universitas Syiah Kuala
118	15.20 - 15.30	<b>Dina Rahmayanti</b> , Rika Ampuh Hadiguna, Santosa, Novizar Nazir and Berry Yuliandra	Supply Chain Design by Developing Causal Loop Diagram for Patchouli Oil Business	Andalas University
126	15.30 - 15.40	<b>Bayu Hari Nugroho</b> and Sawarni Hasibuan	Evaluation Performance of Online Learning in Indonesian Higher Education Institution during Pandemic Covid-19	Mercu Buana University
	15.40 - 16.00	Q & A		
146	16.00 - 16.10	<b>Yogi Yogaswara</b> and Hibatul Wafi Hardel	Three-Dimensional Object Measurement Model Image Processing System Based to Calculate Logistics Cargo Rates	Universitas Pasundan
7	16.10 - 16.20	<b>Muhamat Arifin</b> and Hasbullah	Inventory Level Improvement with a Forecasting Methods in the Taxi Transportation Industry	Universitas Mercu Buana
151	16.20 - 16.30	Abdul Aziz Jakfar, <b>Hery Purwanto</b> and Novita Vibriyanto	Risk Analysis of the Madura-3 Corn Supply Chain Using the FMEA Method	University of Trunojoyo
136	16.30 - 16.40	<b>Saddam Rasis Rabathi</b> and Hasbullah	Improving Workflow of Aircraft Maintenance for Reduce Lead-time on Nine-Passenger Aircraft	BBKFP Balai Besar Kalibrasi Fasilitas Penerbangan, Universitas Mercu Buana
	16.40 - 17.00	Q & A		

Session 2 ( 15.00 – 17.00 )				
Track : Quality Management (QM)				
Session ID:		S2.4		
Session Chair:		Dr. Rina Fitriana, S.T., M.M., IPM		
Session Parallel:		Emelia Sari, PhD		
Paper ID	Time	Name	Title	University
9	15.00 - 15.10	<b>Dian Mardi Safitri</b>	Finding a Research Gap on Service Quality and Safety Improvement in Public Transportation	Universitas Trisakti

61	15.10 - 15.20	<b>Amanda Sandy Ardilla</b> and Markus Hartono	Framework of Service Quality Evaluation in Supply Chain Management Using the Integration of SERVQUAL, Kano, and QFD Models in Cigarette Company XYZ in Indonesia: A Literature Review	University of Surabaya
52	15.20 - 15.30	<b>Isnaeni Yuli Arini</b> and Tiara Verita Yastica	Determination of Performance Ranking of MSMEs using Simple Additive Weighting Approach	Telkom University
122	15.30 - 15.40	<b>Rina Fitriana</b> , Wawan Kumiawan and Willierod Gerry	Proposed Development Process to Improve Customer Quality of Service with Fuzzy-Servqual and Data Mining Methods in Insurance Agency	Universitas Trisakti
	15.40 - 16.00	Q & A		
16	16.00 - 16.10	<b>Ronald Sukwadi</b> , Riana Magdalena Silitonga, Yung-Tsan Jou, Vanessa Lim Wirya and A.A. Mariñas	Exploring Customer Sentiment Regarding Indonesian Online Transportation Services: Evidence from Twitter Social Media	Atma Jaya Catholic University of Indonesia, Chung Yuan Christian University - Taiwan
14	16.10 - 16.20	<b>Naomi Tamara Laurentia</b> and Winnie Septiani	YBM University Tourism Building Location Selection with a Combination of Cut Off Point and AHP TOPSIS Method	Universitas Trisakti
54	16.20 - 16.30	<b>Nofriani Fajrah</b> , Arsyad Sumanatika and Rizki Prakasa Hasibuan	Analysis of Quality Preferences for Cassava Chips Products	Universitas Putera Batam
139	16.30 - 16.40	<b>Haris Adi Swantoro</b> , Syafira Anjassari and Nur Yulianti Hidayah	Selection Decoration Services Business Development Strategy to Elevate Sustainable Competitive Advantages: A Case Study of Mau Dekorin	Universitas Pancasila
	16.40 - 17.00	Q & A		

### Session 2 ( 15.00 – 17.00 )

<b>Track : Industrial System (IS)</b>				
<b>Session ID:</b>		<b>S2.5</b>		
<b>Session Chair:</b>		<b>Dr. Dino Rimantho, ST., MT</b>		
<b>Session Parallel:</b>		<b>Nur Yulianti Hidayah, ST., MT</b>		
<b>Paper ID</b>	<b>Time</b>	<b>Name</b>	<b>Title</b>	<b>University</b>
19	15.00 - 15.10	<b>Rifki Muhendra</b> , Naufal Ismail Kreshnaviyanto, Aisyah Amin, Paduloh, Solihin and Achmad Muhazir	Design and Evaluation of LoRa-based Mesh Network for Water Metering Infrastructure	Universitas Bayangkara Jakarta, ITB

18	15.10 - 15.20	<b>Rizky Muftygendhis</b> , Wei-Jung Shiang, Yung-Tsan Jou, Ya-Hsien Lin, Rohmat and Jun Sato	Simulation modelling of a train station ticketing system: a case study of Zhongli station in Taiwan	Chung Yuan Christian University - Taiwan
32	15.20 - 15.30	Muhammad Asrol, <b>Haris Purna Widyatama</b> and AAN Perwira Redi	A Conceptual Framework for An Adaptive Sustainability Assessment for Industry and Further Research Potential	Bina Nusantara University
38	15.30 - 15.40	<b>Winda Nur Cahyo</b> , Bayu Agung Swasono, Riza Said Isyak Raben, Riyan Tri Sutartono, Haryo Prawahandaru and Taufiq Immawan	Waste Reduction Strategy Design Based on Risk Assessment and Cost Benefit Approach	Universitas Islam Indonesia
	15.40 - 16.00	Q & A		
25	16.00 - 16.10	<b>Atyanti Dyah Prabaswari</b> and Bagus Wahyu Utomo	Analysis of Optimistic Bias and Pessimistic Bias in Preparation for The New Normal	Universitas Islam Indonesia, Sekolah Tinggi Teknologi Adisutjipto
66	16.10 - 16.20	<b>Amalia Yuli Astuti</b> , Riri Dwi Adzaningtyas and Nurul Akbar	Clustering the Micro, Small and Medium Enterprises (MSMEs) in Yogyakarta City based on Technology Readiness Index 2.0 using K-Means Method	Universitas Ahmad Dahlan
49	16.20 - 16.30	<b>Winda Nur Cahyo</b> , Nael Naufal Fiantama and Haris Hadiyanto	Strategy Designed toward Performance Improvement of Asset Management System	Universitas Islam Indonesia
29	16.30 - 16.40	<b>Heni Hindayanti</b> and Winnie Septiani	Decision-Making for Conducting Seismic-Surveying Activities on Oil and Gas Exploration Using Decision Tree and Utility Functions	Universitas Trisakti
	16.40 - 17.00	Q & A		

### Session 2 ( 15.00 – 17.00 )

<b>Track : Decision Analysis and Information System (DAIS)</b>				
<b>Session ID:</b>		<b>S2.6</b>		
<b>Session Chair:</b>		<b>Dr. Ir. Zulfa Fitri Ikatrinasari</b>		
<b>Session Parallel:</b>		<b>Dr. Arief Suwandi, ST., MT., IPM</b>		
<b>Paper ID</b>	<b>Time</b>	<b>Name</b>	<b>Title</b>	<b>University</b>
28	15.00 - 15.10	<b>Elfira Febriani</b> , Sucipto Adisuwiryo and Dhita Savitri	Design of sales information system based on website at Amonyu Shop	Universitas Trisakti
117	15.10 - 15.20	<b>Yumi Meuthia</b> , Difana Meilani and Bob Ikhsan Nugraha	Designing Marketing Information System for Coconut Derivative Products in Padang Pariaman	Andalas University
40	15.20 - 15.30	<b>Harison</b> , Marimin, Sukardi, Faqih Udin and Yani Nurhadryani	E-Commerce Application of Oil Palm Fresh Fruit Bunches Supply Chain	IPB University

149	15.30 - 15.40	<b>Arief Suwandi, M.</b> Derajat Amperajaya and Septian Hadi Cahyo	Reduction Of Defects of Bolts Products at PT. GIP using Six Sigma Method	Esa Unggul University
	15.40 - 16.00	Q & A		
44	16.00 - 16.10	<b>Sarah Isniah, Zulfa Fitri</b> Ikatinasari and Torik Husein	Increasing Consumer Satisfaction and Loyalty with Product Innovation, E- Commerce and Reward Factors	Universitas Mercu Buana
65	16.10 - 16.20	<b>Audira Zuraida and</b> Endang Chumaidiyah	Design of Website and Web- Based Information System User Interface of PT XYZ with Human Centered Design Method	Telkom University
88	16.20 - 16.30	<b>Yudha Aprilianto and</b> Muhammad Asrol	Decision Support System for Business Location Selection and Economic Feasibility	Bina Nusantara University
97	16.30 - 16.40	<b>Rayinda Pramuditya</b> <b>Soesanto, Amelia</b> Kumiawati and Firdausa Ramadhanti	User Centered Requirements Engineering Method for Library Information System: A Case from High School Library	Telkom University
	16.40 - 17.00	Q & A		

<b>Session 2 ( 15.00 – 17.00 )</b>				
<b>Track : Industrial System (IS)</b>				
<b>Session ID:</b>		<b>S2.7</b>		
<b>Session Chair:</b>		<b>Niken Parwati, ST., MM</b>		
<b>Session Parallel:</b>		<b>Azizah Andra Risa Tassha Chairiyah</b>		
<b>Paper ID</b>	<b>Time</b>	<b>Name</b>	<b>Title</b>	<b>University</b>
120	15.00 - 15.10	<b>Irwan Wijaya and Budi</b> <b>Marpaung</b>	Clustering on Small and Medium Scale Manufacturing Industry in Jakarta using Fuzzy Cluster Means	Krida Wacana Christian University
103	15.10 - 15.20	<b>Nur Jihan Widayanti,</b> Iveline Anne Marie and Parwadi Moengin	Increasing Utilization of Production Facility Based on Simulation Model Approach at PT. XAX	Universitas Trisakti
109	15.20 - 15.30	<b>Salma Jumaizar Hanif,</b> Avon Budiyo and R. W Witjaksono	Hospitality Food and Beverage Production with ERP System Using Odoo and Rapid Application Development (RAD) Method	Telkom University
68	15.30 - 15.40	<b>Franka Hendra, Dian</b> Rarasanti, Kartiko Eko, Adi Saptari and Riki Effendi	Assesment for Technical Disruption Priority of Facilities By Used DMAIC Approach With FMEA Tool For Commuter Electric Train	Pamulang University
	15.40 - 16.00	Q & A		
124	16.00 - 16.10	<b>Aufar Fikri Dimyati,</b> Maria Anityasari, Hilmi Rinardi and Agus I Sonhaji	Evaluation of Service Transformation during COVID- 19 Pandemic: A Case Study at DISPENUKAPIL Surabaya	Institut Teknologi Sepuluh Nopember (ITS)

128	16.10 - 16.20	<b>Devi Pratami</b>	Investigating Student Anxiety Factors among International Student (case study: Indonesian Private University)	Telkom University
33	16.20 - 16.30	<b>Melati Nur Affiyanti,</b> Budi Aribowo, Niken Parwati and Aprilia Tri Purwandari	Improve The Quality of Korean Garlic Cheese Bread Using The Six Sigma Method	Al Azhar Indonesia University
132	16.30 - 16.40	Salahaldein Alsadey, Abdelnaser Omran and Zaynab Jamal	Effect of Exposure Time and Elevated Temperature on Plain Concrete	Bani Waleed University, Bright Star University
133	16.40 - 16.50	Salahaldein Alsadey, Abdelnaser Omran and Zaynab Jamal	Strengthening of Cylinders Concrete Confined with Glass Fibre Reinforced Polymer	Bani Waleed University, Bright Star University
	16.50 - 17.00	Q & A		

<b>Session 2 ( 15.00 – 17.00 )</b>				
<b>Track : Industrial Engineering, Computation and Simulation (IECS)</b>				
<b>Session ID:</b>		<b>S2.8</b>		
<b>Session Chair:</b>		<b>Dr. Sumarsono</b>		
<b>Session Parallel:</b>		<b>Christine Natalia, ST. MT</b>		
<b>Paper ID</b>	<b>Time</b>	<b>Name</b>	<b>Title</b>	<b>University</b>
82	15.00 - 15.10	<b>Fauzi Khair,</b> Dendhy Indra Wijaya and Hubertus Davy Yulianto	Basic Model Simulation for Disaster Evacuation Routes Evaluation using Agent Based Modeling (ABM)	Bina Nusantara University
64	15.10 - 15.20	Siti Anugrah Padabela, <b>Annie Purwani</b> and Agustina Dewi Ningrum	Determining the Location of Temporary Landfills with Simultaneous Set Covering Model	Universitas Ahmad Dahlan
95	15.20 - 15.30	<b>Feliks Prasepta Sejahtera Surbakti,</b> Ferdian Suprata, Christine Natalia and Nicollete Kezia	Exploration of Data Science Expertise in Indonesia: Study Case of Industry in Jakarta Metropolitan Area	Atma Jaya Catholic University of Indonesia
111	15.30 - 15.40	Yun-Chia Liang and <b>Xin Zhan</b>	Application of Machine Learning Algorithms in Multi-Feature Multi-Classification Problem - in the Case of a Hydraulic System	Yuan Ze University, Zhuhai College of Science and Technology
	15.40 - 16.00	Q & A		
78	16.00 - 16.10	Alessandro Verrel, William Chandra and <b>Rida Zuraida</b>	Optimization Hand Sanitizer Distribution Route to Public Facilities in Palembang City	Bina Nusantara University
58	16.10 - 16.20	<b>Leni Nuraeni</b> and Endang Chumaidiyah	Design of Conceptual Models For Comparison Analysis Between Conventional Methods and MCP Method Based on Productivity and Logistic Performance in Cooperative X	Telkom University



102	16.20 - 16.30	<b>Annisa Uswatun Khasanah</b> , Mufti Sayid Muqaffi and Nurcahyati	Simulation of Two Channels, Single-Phase Queuing System using Monte Carlo Model in a Government Office	Universitas Islam Indonesia
134	16.30 - 16.40	Salahaldein Alsadey, Abdelnaser Omran and Zaynab Jamal	Glass Fiber as Reinforcement in Cement Mortar for The Repair of Plain Concrete Members	Bani Waleed University, Bright Star University
	16.40 - 17.00	Q & A		