DAY 1, Wednesday 21 September 2022

		Opening
8:00		Zoom Meeting is Opened
8:30		National Anthem "Indonesia Raya"
8:35		Opening by MC
8:40	Main Room	Praying
8:43		Report by Chairperson: Dr. Ir. Yosman Bustaman, M.Buss.
8:47		Report by Conference Chair: Dr. Eng. Aditya T. Pratama, S.Si., M.T.
8:51		Welcoming Address by The Rector: Dr.rer.nat Filiana Santoso
		Keynote Session
8:55		Keynote Speech 1 Johnny G Plate, S.E. Minister of Communication and Informatics Republic of Indonesia
9:27	Main Room	Keynote speaker 2 Dr. R. Hendrian, M.Sc. Deputy for Utilization of Research and Innovation, BRIN
9:59		Coffee Break
		Plenary Session 1
10:13		Plenary Speaker 1: Dr. Nuki Agya Utama Executive Director of the ASEAN Centre for Energy (ACE)
10:33		Plenary Speaker 2: Dr. Waseem Haider School of Engineering and Technology, Central Michigan University, USA
10:53	Main Room	Q&A Plenary Session
11:23		Seminar by Sponsor 1
11:33		Seminar by Sponsor 2
11:43		Lunch Break
		Parallel Session 1
13:00 - 17:00	Breakout Room 1, 2, 3	Parallel Session 1

DAY 2, Thursday 22 September 2022

		Parallel Session 2
9:00	Breakout Room 1, 2, 3	Parallel Session 2
12:00		Lunch Break
		Parallel Session 3
13:00	Breakout Room 1, 2, 3	Parallel Session 3
		Plenary Session 2
14:00		Preparation for Plenary Session 2
14:10		Plenary Speaker 3: Prof. Intan
14:30		Plenary Speaker 4 Kholis Abdurachim Audah, PhD. DIrector of Academic Research and Community Service Swiss German University
14:50	Main Room	Q&A Plenary Session 2
15:20		Seminar by Platinum Sponsor 3
15:30		Announcement for Best paper
15:50		Closing Remark by VR-1 SGU: Dr. Irvan S. Kartawiria
15:55		Closing by MC and photo session

DAY 1, Wednesday 21 September 2022			
Breakout Room – ICONETSI 1			
Parallel Session 1			
Ergonomic and Human Factors **Session Chair: Ir. Triarti Saraswati, M.Eng**			
13.00 - 13.20	48	Apid Rustandi, Aris Surya Yunata, Sherly Octavia Saraswati, Muhammad Mahsyaril Anwar, Irfansyah Yudhi Tanasa, Frandi Adi Kaharjito and Jemie Muliadi	Striving in Banking Industry in Indonesia Through Technology Information Investment Effectiveness
13.20 - 13.40	66	Firdan Dimas Pranadya, Tanika Dewi Sofianti and Jessica Florencia	SERVICE QUALITY IMPROVEMENT AT INTERNATIONAL AIRPORT IN INDONESIA USING SERVICE QUALITY AND THEORY OF INVENTIVE PROBLEM SOLVING (TRIZ)
13.40 - 14.00	85	Winnie Septiani, Ghaida Anggraeni and Novia Rahmawati	Prediction of Sulfur Content in Electric Furnace Matte Using Machine Learning
Sustainable Energy and Environment **Session Chair: Dr.-Ing Diah Indriani Widiputri ST., MSc.**			
14.00 - 14.20		Invited Speaker: Prof. Schirmer	
14.20 - 14.40	27	Anggoro Daro Mukti, Sawarni Hasibuan and Katsuhiko Takahashi	Application of Life Cycle Assessment to Determine Hotspots for Environmental Impacts of The Rayon Production Process: Indonesia Case
14.40 - 15.00	34	Lim Sanny, Yen-Yen Natalia, Glory Aguzman, Agung Hari Sasongko, Melvin Ninal and Yulieni Yulieni	Green Consumerism in Indonesia
15.00 - 15.20	47	Dyah Lestari Widaningrum	The effect of supporting facilities growth around the urban campus on land-use change
Logistics and Supply Chain **Session Chair:**			
15.20 - 15.40	7	Anggi Febrianto, Tanika Sofianti and Gembong Baskoro	Implementing Periodic Review – Variable Order Quantity System in Inventory Management: a case study in a Heavy Equipment Company, Kutai Barat
15.40 - 16.00	20	Ivan Kurniawan	Sustainable Supply Chain Framework Design in Indonesian Palm Oil Industry with IoT Integration
16.00 - 16.20	28	Agung Bektiawan, Triarti Saraswati and Dide Salahuddin	Komatsu's Spare-parts Service Level and Day of Inventory Improvement for PT. MTN
16.20 - 16.40	32	Fani Puspitasari, Sofia Debi Puspa and Christian Kenny Verel	IMPLEMENTATION OF THE FUZZY INFERENCE SYSTEM TO DETERMINE THE AMOUNT OF PURCHASE OF SUPPLEMENT DRUG PRODUCTS BASED ON INVENTORY AND SALES DATA AT XYZ PHARMACY

DAY 1, Wednesday 21 September 2022			
Breakout Room – ICONETSI 2			
Parallel Session 1			
Production and Operation Management **Session Chair: Dr. Tanika Sofianti**			
13.00 - 13.20	68	Rexy Darmawan, Farah Margaretha Leon and Yosephina Endang Purba	Striving in Banking Industry in Indonesia Through Technology Information Investment Effectiveness
13.20 - 13.40	72	Moses Laksono Singgih, Made Adhipartha Agung Asmara and Inaki Maulida Hakim	SERVICE QUALITY IMPROVEMENT AT INTERNATIONAL AIRPORT IN INDONESIA USING SERVICE QUALITY AND THEORY OF INVENTIVE PROBLEM SOLVING (TRIZ)
13.40 - 14.00	73	Gatot Winoto, Budi Santosa and Maria Anityasari	Prediction of Sulfur Content in Electric Furnace Matte Using Machine Learning
14.00 - 14.20	74	Emelia Sari, Iveline Anne Marie and Farida Rani	Sustainable Manufacturing Performance Enhancement Using Lean Competitive Strategy: $*$ A Case Study in Plastic Molding Industry
14.20 - 14.40	76	Imam Rendi Pratama and Moses Laksono Singgih	INTEGRATED COST AND VALUE STREAM IN CRANKCASE PRODUCTION (CP)
14.40 - 15.00	82	Muhammad Ibrahim Ats-Tsauri, Lien Herliani Kusumah and Humiras Hardi Purba	Mapping of Digital Transformation Readiness, Benefits, and Barriers in Indonesian Steel Manufacturing
15.00 - 15.20	84	Iveline Anne Marie, Emelia Sari and Adriel Y Hutagalung	Enhancing Sustainable Performance using Lean Competitive Manufacturing Strategy: A Case Study at Motor Vehicle Battery Company
Logistics and Supply Chain **Session Chair: Dena Hendriana., BSc., M.Sc., Ph.D.**			
15.20 - 15.40	33	Lim Sanny, Grace Junita Siwy, Vinna Suhendi, Ika Triana, Lea Simek and Beni Widarman Kelana	Sustainable Export Strategy of Used Cooking Oil SME in Indonesia
15.40 - 16.00	35	Adre Edbert, James Purnama and Kho I Eng	B2C E-Commerce Buyer Trust Measurement in Indonesia
Cyber Security and Artificial Intelligence **Session Chair: Dr. Maulahikmah Galinium, S.Kom., M.Sc**			
16.00 - 16.20	88	Erni Erfan and Nafrialdi Nafrialdi	Color Palettes Overview After Thresholding Process with Default Methods of ImageJ
16.20 - 16.40	86	Tan Meilisa Tansil, Leonard P. Rusli and Eka Budiarto	Performance Evaluation of Systematic Option Trading Strategies Using Entry and Exit Points Predicted by Machine Learning

DAY 1, Wednesday 21 September 2022			
Breakout Room – ICONETSI 3			
Parallel Session 1			
Software Engineering **Session Chair: Dr. Maulahikmah Galinium, S.Kom., M.Sc**			
13.00 - 13.20		Invited Speaker : **Dr. Selvakumar Ramachandran** Kerckhoffs Ltd **"Emerging Technologies for ALL"**	
13.20 - 13.40	4	Ferly Norman, Syarif Hadiwijaya and Fergyanto E. Gunawan	Preliminary Study Electronic Counting in Indonesian National Election Using Computer Answer Sheets and DMR Software
13.40 - 14.00	23	Novia Rahmawati, Muhammad Alif Al Ayuba and Winnie Septiani	mHealth Apps Interface Concept Design Using Meta-Principle
14.00 - 14.20	37	Juan Emmanuel Dharmadjaya, James Purnama and Tabligh Permana	PASPORUMKM ONLINE PLATFORM DEVELOPMENT FOR SELF-GUIDED HALAL ASSURANCE SYSTEM PREPARATION ON THE CASE OF SMES IN THE FOOD SECTOR
Software Engineering **Session Chair: Kho I Eng, Dipl.-Inf.**			
14.20 - 14.40	38	Raffael Fradio, Randy Anthony and James Purnama	A Study on the Development of an Online Book Publishing Funding Platform
14.40 - 15.00	83	Mario Kawadito	Analysis of the Application of Information and Communication Technology in Micro Small and Medium Enterprises
15.00 - 15.20	13	Wahid Abeed Mulia and Jurike V. Moniaga	Visual Influence of Traditional Art Characteristics in Mobile Games: Topeng Malangan as Use Case
Automation, Mechatronics and Robotics **Session Chair: Henry Nasution, S.T., M.T., Ph.D**			
15.20 - 15.40		Invited Speaker : **Professor Aufderheide**	
15.40 - 16.00	10	Angga Tegar Setiawan, Joko Sulistyo, Kadex Widhy Wirakusuma and Isa Setiasyah Toha	Development of Internet of Things Cloud Shop Floor Machining Manufacturing System
16.00 - 16.20	15	Ivan Ivan, Heru Purnomo Ipung and Mohammad Amin Soetomo	IoT-Based Enterprise Architecture Model For Monitoring Safety of Drugs Supply To The Patient At Hospital
16.20 - 16.40	53	Suryo T. Koncoro, Lukas Lukas and Marsul Siregar	A Case Study of IIoT Application in Process Manufacturing
16.40 - 17.00	64	Timotius Christopher Tantokusumo, Aulia Arif Iskandar and I Made Junior Rina Artha	Preliminary ECG Cloud-based Telecardiology System for Rural Areas

DAY 2, Thursday 22 September 2022			
Breakout Room – ICONETSI 1			
Parallel Session 2			
Production and Operation Management **Session Chair: Dr. Hery Sutanto, M.Si**			
9:00-9:20	60	Mukhlis Noor Alfatih, Rini Setiati, Muh. Taufiq Fathaddin, Pri Agung Rakhmanto and Dwi Atty Mardiana	Analysis of Water in Oil Emulsions Effect From Used Engine Lubricant Oil Potential Material for EOR Heavy Crude Oil
9:20-9:40	75	Pantjanita Novi Hartami, Rini Setiati, Danu Putra, Yuga Maulana, Edy Jamal Tuheteru, Taat Tri Purwiyono and Nadya	The Effect of Adding Nickel Processing Tailings to Concrete Mixtures on a Laboratory Scale
9:40-10:00	89	Dena Hendriana, Muhammad Aziz, Galih A. Subekti, Umar Said, Gembong Baskoro and Henry Nasution	Wind Speed Measurements and Comparisons in Cakung Jakarta
10:00-10:20	59	Irsat Surya Sekti and Moses Laksono Singgih	Circular Economy in Plastic Pallet Manufacturer (PPM) using Nano Level Material Circularity Indicator (MCI)
Production and Operation Management **Session Chair: Sumarsono**			
10:20-10:40	**Invited Speaker** Dr. Ir. Wahyudi Sutopo, ST., M.Si, IPM. Universitas Sebelas Maret		
10:40-11:00	40	Ivander Ivander, Karunia Agung Mahardini and Suryadiputra Liawatimena	Inventory Level Reduction with VMI and Internet of Things Method
11:00-11:20	45	Budhi Prihartono, Puti Annisa Rahman and Ilham Reza Prasetyo	E-Commerce Platform Service Improvement of PT. X Based on Multiple Approach Integration
11:20-11:40	46	Ratna Mira Yojana, Muhammad Hendra and Iveline Anne Marie	Optimization Of Production Planning Using Goal Programming And Inventory Control Based On Demand Forecasting Using Neural Networks On CV Bahyu Perkasa
11:40-12:00	**Break**		
Parallel Session 3			
Logistics and Supply Chain **Session Chair: Wira**			
13:00-13:20	61	Eka Pramudianzah, Yaya Triana and Rahmat Budiarto	Analysis of Waste Transportation in Jakarta using Machine Learning Algorithms
13:20-13:40	91	Hery Suliantoro and Dian Fitriani	Influence of the Knowledge of Procurement Personnel on Implementation of Green Public Procurement
13:40-14:00	92	Hery Suliantoro, Adhitya Caesarali and Naniek Utami	Improving Procurement Function Become Strategic Role on Public Hospital
14:00-14:20	52	Hermawan Thaheer, Sawarni Hasibuan and Choesnul Jaqin	Supply Chain Model to Support the Sustainability of Biomass based Power Plants: Indonesia case

DAY 2, Thursday 22 September 2022			
Breakout Room – ICONETSI 1			
Parallel Session 2			
Production and Operation Management **Session Chair: Professor Murata**			
9:00-9:20	6	Anggi Febrianto, Aditya Tirta Pratama and Tanika D. Sofianti	Training material decision making for mechanics using Analytic Hierarchy Process (AHP) case study PT United Tractors Tbk
9:20-9:40	12	Sesarius Egi Budiman and Aditya Tirta Pratama	ANALYTIC HIERARCHY PROCESS (AHP) METHOD FOR CHOOSING THE BEST SECONDHAND INJECTION MACHINE FOR PT. PARAMA LENTUM ARTINDO
9:40-10:00	14	Eunike Anastasia Evangelista, Tanika D Sofianti and Gembong Baskoro	Analytical Hierarchy Process (AHP) for Selection of Project Management Software to Support Remote Working: A Case Study at Logistics Division of a National EPC Company in Indonesia
10:00-10:20	17	Risqi Abdullahman and Aditya Pratama	Decision making for the person incharge of designing a new ball mill machine project using Analytic Network Process (ANP) case study at Chukoh Seiki.Co.Ltd,Japan
10:20-10:40	24	Indah Kurnia Mahasih Lianny, Sanurya Putri Purbaningrum and Edwin Sahrial Solih	Implementation of Single Minute Exchange of Dies at PT Ganding Toolsindo
Production and Operation Management **Session Chair: Arif**			
10:40-11:00	29	Elfira Febriani, Dorina Hetharia, Almira Fabianca and Arnes Faradilla	Application of Six Sigma in Quality Improvement of Deodorant Products at PT Cedefindo
11:00-11:20	42	Vanesa Hana Budiarani and Sahid Susilo Nugroho	Is Interface Quality and Information Quality on Online Review Matters?
11:20-11:40	43	Ren Ren and Koichi Murata	Understanding the trend of scientific productivity analysis: Literature review of relevant papers
11:40-12:00	44	Budhi Prihartono, Anies Sayyidatun Nisa and Hasrini Sari	Customer Loyalty Model Development of Pool-To-Pool Shuttle Service
12:00-13:00	Break		
Parallel Session 3			
Production and Operation Management **Session Chair: Muhammad Fathony, M.Sc., Ph.D.**			
13:00-13:20	51	Irwan Eko Prabowo and Moses Laksono Singgih	CIRCULAR ECONOMY IN RECYCLED PAPER COMPANY
13:20-13:40	57	Ig. Jaka Mulyana, Moses Laksono Singgih and Sri Gunani Partiwi	Prioritize Business Process Improvement Plan using House of Quality and Modified House of Risk: a case study of Higher Education Institution (HEI) from Indonesia
13:40-14:00	62	V. Reza Bayu Kurniawan, Oktavia Puput Dwi Sawitri, Trisna Yulianti, Dyah Ari Susanti and Fransiska Hernina Puspitasari	A Combined Application of SERVQUAL and fuzzy DEMATEL to Evaluate a University's Service Quality
14:00-14:20	63	Rahman Dwi Wahyudi, Moses Laksono Singgih and Mokh Suef	Prior and Future Research on Quality-Driven Product Service Systems: A Literature Review

DAY 2, Thursday 22 September 2022			
Breakout Room – ICONETSI 3			
Parallel Session 2			
Automation, Mechatronics and Robotics **Session Chair: Dr. Yunita Umniyati, S.Si., M.Sc**			
9:00-9:20	67	Inaki Maulida Hakim, Moses Laksono Singgih and I Ketut Gunarta	Evaluating Critical Success Factors for Implementation Internet of Things (IoT) Using DEMATEL: A Case of Indonesian Automotive Company
9:20-9:40	56	Ghani Rabbani, Ary Syahriar and Dwi Astharini	Controlling The Performance of Anti-lock Braking System at Various Tracks and Vehicle Conditions
Cyber Security and Artificial Intelligence **Session Chair: Session Chair: Dr. Eka Budiarto, S.T., M.Sc.**			
9:40-10:00	1	Anak Agung Ngurah Redi, Ryo Geoffrey Widjaja, Iwan Agustono, Muhammad Asrol, Arief S. Budiman and Fergyanto E. Gunawan	A Review On The Application Of Machine Learning To Predict The Battery State That Enables A Smart, Low-Cost, Self-Sufficient Drying And Storage System For Agricultural Purposes
10:00-10:20	5	Muhammad Ershad and Dadan Rahadian	Feasibility Evaluation Analysis of Mobile Tower Using Sensitivity Analysis and Monte Carlo Simulation
10:20-10:40	19	Andante Hadi Pandyaswargo, Meilinda Fitriani Nur Maghfiroh and Hiroshi Onoda	Readiness Status of Artificial Intelligence Applications on Electric Vehicles: A mini global review and analysis using the J-TRA method
10:40-11:00	21	Ryandy Djap, Charles Lim and Kalpin Erlangga Silaen	Malicious traffic analysis using Markov chain
Cyber Security and Artificial Intelligence **Session Chair: Session Chair: Dr. Charles Lim, M.Sc**			
11:00-11:20	22	Chandra Hartanto, Tanika D. Sofianti and Eka Budiarto	Multivariate Sales Forecast Model Towards Trend Shifting During COVID-19 Pandemic: A Case Study in Global Beauty Industry
11:20-11:40	36	Andre Wijaya, Charles Lim and Yohanes Syailendra Kotualubun	Malware Classification Method Using API Call Categorization
11:40-12:00	50	Danny Gani, James Purnama, Kho I Eng, Maulahikmah Galinium and Maria Lamury	Deep Learning Analysis in Development of Handwritten and Plain Text Classification API
12:00-13:00		Break	
Parallel Session 3			
Cyber Security and Artificial Intelligence **Session Chair: Mohammad A. Amin Soetomo, Dr. Ir. M.Sc**			
13:00-13:20	69	Rahmat Budiarto, Hilwa Lelisa and Yaya Sudarya Triana	Analysis of Tuberculosis Disease Spreading Pattern in Muara Enim District using KNN Algorithm
13:20-13:40	71	Julmawan Gunarto and Suharjito	HAND DETECTION AND HAND RECOGNITION APPLICATION DESIGN FOR HUMAN COMPUTER INTERACTION USING SSD AND HAND LANDMARK
13:40-14:00	77	Wanni Wanni and Erwin Widodo	K-Means Clustering Approach to Determine Ore Type in Laterite Nickel Deposit
14:00-14:20	87	Johan Wijaya, Heru Purnomo Ipung and Mohammad Amin Soetomo	DESIGN AN AGILE OF MACHINE LEARNING TO PREDICTIVE HOUSE PRICING AND TARGETING SEGMENTED MARKET