

Sustainable Infrastructure Management and Technology (SIMT)

SIMT - 1

SESSION	MODERATOR	TIME	PAPER ID	AUTHORS	TITLE	
1	Yureana Wijayanti	08.30-08.45	96	Nala Nabila Saraswati, Juliastuti , Tjatur Haripriambodo, Lalu Marhayani Kesuma	The analysis of cofferdam construction based on risk assessment using HIRARC and FMEA methods	
		08.45-09.00	97	Juliastuti , Tjatur Haripriambodo	Selection analysis of heavy equipment on earthwork with linier programming (case study: kertajadi toll road) Selection analysis of heavy equipment on earthwork with linier programming (case study: kertajadi toll road)	
		09.00-09.15	20	Muhamad Zihni, Riza Suwondo	Pushover analysis of multi-storey concrete structures	
		09.15-09.30	90	Anderson Tantrio , Andryan Suhendra	Analysis of sheet pile position influence in countermeasure to landslide at the cutting slope in infrastructure project	
		09.30-09.45	100	Muhamad Iqbal Erizal, Riza Suwondo	Application of direct analysis method on the long span steel structures	
		09.45-10.00	64	Andryan Suhendra , Fendy	Rapid impact compaction method as an alternative ground improvement technology in infrastructure project	
		10.00-10.15	BREAK			
		10.15-10.30	108	Muhamad Kemal Ibrahim, Yureana Wijayanti , Michael Siek	A GIS-Based Analysis of Groundwater Manganese and Nitrate Concentration for Sustainable Water Supply	
		10.30-10.45	19	Richo Owen, Muhammad Zacky Asy'ari , Vanesha Wijaya, Arie Wisnu Wardhana, Gatot Suharjanto	Accuracy of Computer Vision Hough Line Transform for Water Level Measurement	
		10.45-11.00	89	Adelia Maria Julieta Parrangan, Yureana Wijayanti , Ernie S. A. Soekotjo	Evaluation of Trends for Iron and Manganese Concentrations in Shallow Groundwater, Jakarta City	
		11.00-11.15	33	E H Saptaputra , Nunnun Bonafix, A S Araffanda	Mobile App as Digitalisation of Waste Sorting Management	
		11.15-11.30	41	Maimun Rizalihadi , Abdullah, Nizarli, Safwan	The Field application efficiency Assessment of Paddy Field in Aceh Irrigation Scheme, Aceh, Indonesia	
		11.30-11.45	62	Putri Arumsari , Ghina Arisyi Rifa	Earned value analysis on Polres Menteng Flat construction project	
		11.45-12.00	63	Hafizh Rizieq Asyrofi, Putri Arumsari	Comparative analysis of critical path method (CPM), precedence diagram method (PDM), and project evaluation review technique (PERT) method on the duration of bridge work (Case study : Gelam Bridge Project)	
		12.00-13.00	BREAK			
2	Putri Arumsari	13.00-13.15	11	Wahyu Sardjono , Haryoto Kusnopotranto, Hargo Utomo	Development of Alternative Models in Building Elderly Friendly Cities in Urban Areas	
		13.15-13.30	9	Edy Irwansyah , Frey Darmasurya, Grady Christia, Andreas, Nurhasanah Nurhasanah	Alternative Method in Selecting Location of Subsidized Housing Loan in Medan and Deli Serdang, Indonesia	
		13.30-13.45	139	Horas Yosua , Muhammad Syahril Badri Kusuma, Joko Nugroho	Study of flood mitigation system for improving the resilience of pluvial flood control of south Jakarta. (Case study: Ciledug raya, Cipulir.)	
		13.45-14.00	125	Anak Agung Ngurah Perwira Redi , Bayu Nur Abdallah, Erni Selviyanti Ulfa, Annisya Nur Oktavian, Muqimuddin, Haryo Triajie, La Ode M.Aslan	Analysis of sustainable online fish auction services using process chain network diagram	
		14.00-14.15	68	Denzel Polantika , Yusuf Averroes Sungkar, Johannes	Hexapod Robot with Indoor Path Planning Using ROS Navigation Stack on A Static Map	
		14.15-14.30	72	Muhammad Mizan Muslim , Yusuf Latief	Modification of Hexagon Conceptual Model to Improve Competitiveness of the Building Sector Construction Industry in Indonesia	
		14.30-14.45				
		14.45-15.00				
		15.00-15.30	Closing			

SIMT-2

SESSION	MODERATOR	TIME	PAPER ID	AUTHORS	TITLE	
1	Adelia D	08.30-08.45	80	Ivan Arya Farras, I Gede Mahardika Susila	Evaluation study of pull-out capacity and deformation of bored pile foundation in a Jakarta building construction project	
		08.45-09.00	82	Raihan Alifandika Jatnika, I Gede Mahardika Susila	Analysis and evaluation study of retaining wall structures in a building project in South Jakarta	
		09.00-09.15	16	Irpan Hidayat, Febrian Suryatama	Dynamic Analysis of Continuous Span Box Girder Bridge	
		09.15-09.30	91	Wahyu Prambudi Pramudita, Adelia Dwidarma Nataadmadja	Analysis of operational and service performance and the use of light rail transit (LRT) Jakarta as a transport demand management (TDM) strategy	
		09.30-09.45	17	Irpan Hidayat, Dwi Adhi Putra	Correlation Model of Deflection and Rotation on PCI Girder Bridge	
		09.45-10.00	142	Sartika Rini	Applying Indonesia Regulation on Fire Protection System at High Rise Building in Jakarta	
		10.00-10.15	BREAK			
		10.15-10.30	131	Fauzi Khair, Sartika Rini	Analysis of the Supply Chain Performance Measurement System using the SCOR 12.0 and the Value Stream Mapping Method Approach towards Sustainability Strategy (Case Study: Power Generation Company in Indonesia)	
		10.30-10.45	61	Muhammad Rio Baskara, Christian Cahyono	Price and time comparison of modular house and conventional house	
		10.45-11.00	201	Elvin Veldarista Octaviani, Christian Cahyono	Raw Water Network Planning in Bate Village, Keerom Regency, Jayapura, Papua	
		11.00-11.15	54	Welly Wangidjaja	Green Waste, Waste Management Concept in Urban Areas, Study Case Agung Podomoro Land Tanjung Duren	
		11.15-11.30	92	Ardito Rafi Marelo, Adelia Dwidarma Nataadmadja	The usage of organic waste as a filler in porous asphalt	
		11.30-11.45	86	Muhammad Shahkafilie, Eduardi Prahara, Audry Farrel S. Rahardhani	Sustainable traffic management solution for unsignalized Kelapa Gading Roundabout	
		11.45-12.00	79	Azka Azeilya Rahma Santoso, Eduardi Prahara, Tory Darmantoro	An analysis for safety and environmentally friendly pedestrian characteristic and crossing facilities selection, (case study: Jalan Alternatif Cibubur)	
		12.15-13.00	BREAK			
2	Eduardi Prahara	13.00-13.15	4	Muhammad Asrol	Developing an Inference Engine for Estimating State of Charge of the Lead Acid Battery	
		13.15-13.30	121	Gregorius Aji Sentosa, Rizky Agung, Christy Vania Marbun, Windy Kurniawan, Azka Fardany Ibady, Andrew John Pierre, Farell, Abimanyu Satrio Ambiarito, Andiensa Hana Insyira	Construction progress monitoring on toll road project using photogrammetry	
		13.30-13.45	46	Mochamad Arief Budihardjo, Sri Sumiyati, Dian Ratna Sawitri, Annisa Mayang Sari, Muhamad Iqbal Julianggara	Recent progress and suggestions on waste management strategy in Kalisalak village, Batang regency	
		13.45-14.00	190	Rosidah, Lila Nathania	Towards developing a green campus initiative: Exploring the stakeholders' opinions	
		14.00-14.15	77	Tiara Suci Rhamadita, Oki Setyandito, Novandy, Martin Anda	Study of rainwater harvesting as a water conservation in mall building in South Tangerang	
		14.15-14.30	124	G. A. Sentosa, A. Azzaqy, S. G. Wardani, O. Setyandito, A. S. Ambiarito, A. J. Pierre, Farell	Construction scheduling and monitoring control of dams based on BIM	
		14.30-14.45				
		14.45-15.00				
		15.00-15.30	Closing			

SIMT- 3

SESSION	MODERATOR	TIME	PAPER ID	AUTHORS	TITLE	
1	Anthony Gunawan	08.30-08.45	74	Dennis Matthew Rakiman, Andi Bayu Putra	Application Of Value Analysis on Housing Projects in Depok Region	
		08.45-09.00	27	Andi Bayu Putra , Putri Arumsari, Christian Cahyono, JF Bobby Saragih, Valdy Kosalim	Building Infrastructure Analysis Using Total Station and Unmanned Aerial Vehicle Drone for Surveying and Modelling	
		09.00-09.15	116	Meilani , K.E.N. Soebandrija, M.H.A.P. Dhiatra	Roof Tile Fragments As Substitute Of Fine Aggregate and Gypsum Powder As Substitute of Cement For Sustainable Concrete Production	
		09.15-09.30	117	Caroline Maretha Sujana , Antonius Ruben Wakkary	GREEN CONSTRUCTION STUDY ON BUILDINGS (CASE STUDY REVITALIZATION TAMAN ISMAIL MARZUKI PHASE 1)	
		09.30-09.45	150	Ade Ariyani Sari Fajarwati, Anak Agung Ayu Wulandari , Octaviana Sylvia Caroline, Ulli Aulia Ruki, Reno Fanthi, Ahmad Faisal Choiril Anam Fathoni	Sustainable Design Strategy through Upcycling Waste Wood Material and Creating a Digital Marketplace for Micro Crafters Community	
		09.45-10.00	113	Valdy Kosalim, Anthony Gunawan	Corner effects of retaining wall on its behaviour	
		10.00-10.15	BREAK			
		10.15-10.30	87	James Widjaja Susanto , Caroline Maretha Sujana	Barriers to The Implementation of Green Building at	
		10.30-10.45	158	Sri Hartini , M.F.D. Nugraha , Syafrudin, Sudarno, Bimastyaji Surya Ramadan, Mochamad Arief Budihardjo	An Overview of Wastewater from Traditional Tofu Industries in Sugihmanik Village, Grobogan Regency and its Appropriate Treatment Alternative	
		10.45-11.00	155	P. Subiatmono , K.R.T. Nur Suhascaryo, Adi Ilcham	Analysis Of Compressive Strength And Thickening Time Cement G Class With Additional Addition Of Ceramic And Glass Waste At Laboratory Scale	
		11.00-11.15	111	Williams Lijaya, Anthony Gunawan	Sustainable technique to improve undrained shear strength of	
		11.15-11.30	172	Susilawati Cicilia Laurentia , Ika Sari Damayanthi Sebayang, Indah Wahyuning Tyas	Rainwater Management in Rukuramba Village to Support Water, Food and Energy Security	
		11.30-11.45	13	Wahyu Sardjono , Haryoto Kusnoputranto, Hargo Utomo	Using System Dynamics Approach to Develop Performance Measurement Model of Environmental Friendly	
		11.45-12.00	106	Muhammad Hafiz Aslami , Benedict D. Rogers, Peter Stansby, Andrea Bottacin-Busolin	Complex dam break simulation using the 2-D	
		12.15-13.00	BREAK			
2	M. Hafiz Aslami	13.00-13.15	162	Rut Puspaningtyas Suntarto , Jessica Sjah, R.R Dwinanti Rika, Eryl Bahsan	Study of the Interaction between Fluid Flow and Solid Particle with Smoothed Particle Hydrodynamics Method	
		13.15-13.30	73	Lisa Azizah , Yusuf Latief	A Risk Analysis of Planning and Controlling in Design Process at PT. XYZ	
		13.30-13.45	221	Tota Pirdo Kasih	Non-thermal plasma approach for conversion of greenhouse's gases to hydrogen and valuable chemical fuels: A short review	
		13.45-14.00	222	Rivanus Dewanto	APPLICATION OF TIME MANAGEMENT OF CONCRETE PRECAST WALL WORK ON HIGH-RISE CAMPUS BUILDINGS	
		14.00-14.15	181	Nabilla Retnaning Dewanti , Titi Indahyani, , Gwendy Natasya, Alexia Aurelius	Utilization of Used Bus for Children's Reading Facility in Kemayoran Area	
		14.15-14.30	173	Dendhy Indra Wijaya , Ahmad Maulana, Hubertus Davy Yulianto	Sustainability Green Raw Material Inventory with Continuous Replenishment Method: A Case Study Housing Construction Company	
		14.30-14.45				
		14.45-15.00				
		15.00-15.30	Closing			

Smart Industry (SI)

SI - 1

SESSION	MODERATOR	TIME	PAPER ID	AUTHORS	TITLE
1	Amir Tjolleng	08.30-08.45	28	Robertus Tang Herman, Yoseph Benny Kusuma, Yudhistya Ayu Kusumawati, Darjat Sudrajat, Satria Fadil Persada ,	Understanding the Influential Factors on Multi-Device Usage in Higher Education During Covid-19 Outbreak
		08.45-09.00	35	Dedy Ariansyah	The Impact of Different Modes of Augmented Reality Information in Assisted Aircraft Cable Assembly
		09.00-09.15	38	Wahyu Sardjono	Artificial Intelligence as A New Competitive Advantage In Digital Marketing In The Banking Industry
		09.15-09.30	102	Dyah L. Widaningrum , Ni Nyoman Putri Santi Rahayu	Breakdown Time Prediction Model Using CART Regression Trees
		09.30-09.45	36	Dedy Ariansyah	Toward Learning Factory for Industry 4.0: Virtual Reality (VR) for Learning Human-robot Collaboration
		09.45-10.00	80	Widhi Setya Wahyudhi , Rano Kartono, Mohammad Hamsal, Asnan Furinto	Approach of Big Data Analytics and Innovative Work Behavior to Improve Employee Performance in Coal Mining Contractor Companies: Heavy Equipment Expert Perspective
	10.00-10.15	BREAK			
	Dyah L. Widaningrum	10.15-10.30	52	Amir Tjolleng	Occupational Safety and Health Training in Virtual Reality Considering Human Factors
		10.30-10.45	91	Michael A. Tuori , Andriana Nurmalasari, Pearlita Natalia	Identifying Renewable Energy Sources for Investment on Sumba Island, Indonesia Using the Analytic Hierarchy Process (AHP)
		10.45-11.00	42	Fransisca Dini Ariyanti	Analysis of Request for Quotation (RFQ) With Rejected Status use K-Modes and Ward's Clustering Methods. A Case Study of B2B E-Commerce Indotrading.com
		11.00-11.15	43	Azure Kamul, Nico Hananda, Rienna Oktarina	Digital Supply Chain Management Transformation in Industry: A Bibliometric Study
		11.15-11.30	119	Ezra Peranginangin , Yosica Mariana	Evaluation of branding strategy in automotive industry using DEMATEL approach
		11.30-11.45			
11.45-12.00					
		12.00-13.00	BREAK		
2		13.00-13.15			
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		14.45-15.00			
		15.00-15.30	Closing		

Eco-Architecture Planning and Design (EPD) + Smart Architecture (SA)

EPD - 1

SESSION	MODERATOR	TIME	PAPER ID	AUTHORS	TITLE	
1	Yanita Mila Ardiani	08.30-08.45	12	Rheza Maulana	Architecture For Wildlife: The Possible Solution to Human-Wildlife Conflicts in Indonesia	
		08.45-09.00	135	Euis Puspita Dewi, S.T. Trikariastoto, Nurina, Eka Rakhmat Kabul, I Gede Agus Suwartane	Integrated Urban Farming Park: Implementing Permaculture Design Concept for Child Education of Agriculture in Jakarta	
		09.00-09.15	184	Euis Puspita Dewi, I Gede Agus Suwartane, Siti Khomsiah, Nana Trisnawati, Maya Syafriana Effendi, Rilla Sovitriana	Implementation of CBT in Sentul-Bogor Trekking Tourism: Local Community-based Interpretation Route Design Development	
		09.15-09.30	206	Noegi Noegroho, Yanita Mila Ardiani, Ira Audia Agustina	Eco-tourism Destination through carrying capacity in Eris Village North Sulawesi : Challenge and Issues	
		09.30-09.45	194	Noegi Noegroho, Sigit Wijaksono	Industrial Symbiosis in Green Industrial Estate: Potential and Problems	
		09.45-10.00	195	Sigit Wijaksono, Genia Sandra	Green Community center: Using long-life materials for low maintenance and easy serviceability.	
			10.00-10.15	BREAK		
		Michael Isnaeni Djimantoro	10.15-10.30	69	Adeanna Putri Pertiwi, Vivien Soebiyani, JF Bobby Saragih	Inclusive school environment including its supporting facilities based on student behavior approach
			10.30-10.45	71	Martin Lawrance Sutanbuwana, Vivien Soebiyani, John Fredy Bobby Saragih	Elementary School with Post Pandemic Approach
			10.45-11.00	161	Alifia Nur Aini, J.F. Bobby Saragih	Environmental factors based on child-centered aspects in child-friendly elementary school
			11.00-11.15	223	JF Bobby Saragih	The Image of School : Children's Perspectives about Places
			11.15-11.30	171	Hana Kireina Widiyanti, Ira Audia Agustina	Implementation of The Deafspace Design Concept in The Office and Co-Working Space Hear Me Company
			11.30-11.45	44	Arsa Widitarsa Arsa Utoyo, Santo Tjhin	STUDY OF ENVIROMENTAL GRAPHIC DESIGN SIGNAGE MRT STATION BLOK M
		11.45-12.00	170	Terrance Judhistira, Mila Savitri, Doni Morika	Designing Surabaya Juanda Airport Boarding Lounge with A New Experience for The Photography and Aviation Geeks	
		12.00-13.00	BREAK			
2	Yanita Mila Ardiani	13.00-13.15	43	Polin Marsahala, Amarena Nediari, Christianto Roesli	Exploring Indonesia's Recycled-Plastic Waste Material in Interior Design for Sustainable Interior Eco-Planning	
		13.15-13.30	154	Wahyu Waskito Putra, Tiara Ika Widia Primadani	Upcycling Bicycle Parts for Interior Decoration with Smart Lamps as an Eco-Friendly Design	
		13.30-13.45	42	Laura Valencia Kamara, R. Asep Ahadiat Gandawijaya	The Usage of Dried Breadfruit Leaves as Particle Board Material	
		13.45-14.00	57	Stephanie Angelia, Andi Pramono, Sherly Wijaya, Andrianto Putra Pratama Sutanto, Crosita Yuninda	Tropical Interior of Pick a Bite Startup using Sustainable Materials	
		14.00-14.15	186	Andriano Simarmata, Doni Morika, Bayu Ramadhan Wardani Edward	The Study of Creative Process in Problem Solving Waste Material Into Commercial Product	
		14.15-14.30	211	Elizabeth Phoebe Jeadi, Wahyu Waskito Putra, Tiara Ika Widia Primadani, Bambang Kartono Kurniawan, Brainnisa Ramadhani	Interior Design of Bakery Shops and Cafes Using Sustainable	
		14.30-14.45	185	Andi Pramono, Crosita Yuninda, Badrul Munir	Excavated Earth Area Maximization as a Basement and Outdoor Living Space on a Sloped Terrain Housing	
			14.45-15.00			
		15.00-15.30	Closing			

EPD - 2

SESSION	MODERATOR	TIME	PAPER ID	AUTHORS	TITLE	
1	Religiana Hendarti	08.30-08.45	39	Qurrotul A'yun, Kusnul Prianto, Muhamad Ratodi	Acoustic Design for Urban Educational Buildings by Using Noise Tools, IBANA Calc and Ecotect	
		08.45-09.00	120	Vivien Soebiyani, M. D. Koerniawan, S. Triyadi	A review of hybrid ventilation on humid tropics climate	
		09.00-09.15	140	Dyah Ayu Sekarningrum, Ira Audia Agustina	Thermal and Humidity Control System in Interior as Climate Responsive Design	
		09.15-09.30	197	Michael Isnaeni, Aureliana Tumiwa	The Use of Local Wind Simulation in Healthcare Facilities for Disease Control	
		09.30-09.45	198	Wiyantara Wizaka, Gatot Suharjanto, Sigit Wijaksono	Self-Energy Harvesting through Architectural Design: Harnessing embodied energy in the Building and Human environment	
		09.45-10.00	225	Taufik Roni Sahroni, Saifol Anuar Ahmad, Suriati Akmal	Thermal expansion flow analysis in designing a sustainability computer personal unit casing	
			10.00-10.15	BREAK		
		Bunga Sakina	10.15-10.30	193	Hatta Hasbur Rachman, Religiana Hendarti, Bunga Sakina	Natural lighting optimization through configuration of shading device for library in East Jakarta
			10.30-10.45	220	Rifqah Raudhatul Firdausa, Michael Isnaeni	Consideration Aspects in Designing Secondary Skins for Residential Houses in The Tropics
			10.45-11.00	202	Bunga Sakina, Denny Setiawan	Housing Satisfaction and Preferences Towards Indoor Quality Related to the Environmental Factors in the Context of the Covid-19 Pandemic
			11.00-11.15	216	Denny Setiawan	Relationship between the theory of green architecture and the design of houses that are responsive to the pandemic
			11.15-11.30	213	Nina Nurdiani	Study on the Physical Quality of Traditional Markets in Jakarta to support the realization of Environmentally Friendly Architecture
			11.30-11.45	215	Nina Nurdiani, A.N. Azizah	Study of Creative Hub in Central Jakarta for Sustainable Human Environment
			11.45-12.00	126	Dheavindra Fara Ayesha, Yanita Mila Ardiani, Bonny A Suryawinata	MARKET WITH VISIBILITY GRAPH ANALYSIS METHOD IN PALMERAH CENTRAL JAKARTA
			12.00-13.00	BREAK		
2	Religiana Hendarti	13.00-13.15	76	Elsa Intan Pratiwi, Antariiksa Sudikno, Susilo Kusdiwanggo	Ecological Rural Expressions of Eko Prawoto's Tectonic Architecture to Create Modern House Sustainability	
		13.15-13.30	175	Seruni Kusumawardhani, Deanawati Insani Wasilah	Application of Green Architecture Principles in Vernacular Landscape	
		13.30-13.45	189	I Gusti Ngurah Andracana	Green thinking of Indonesian architects	
		13.45-14.00	129	Mila Savitri, Rachmi Kumala Widyasari, Ratna Amalia, Mary Celica Susantio	Adaptive Reuse as Conservation Strategy for Sustainable Architecture in Cultural Heritage Building in Lasem	
		14.00-14.15	21	Mila Savitri, Friska Amalia	Circular Design Strategy for Sustainable Campus Architecture and Interior in Bandung	
		14.15-14.30	143	S. Rachmayanti, P. Salim, C. Roesli, H. Hartono	Vernacular Architecture Residential in Lasem with Batik Pattern Latohan in Interior	
		14.30-14.45	123	Ida Bagus Ananta Wijaya	Biophilic Concept Analysis in The Interior of a Post-New Normal Residential Home	
		14.45-15.00				
		15.00-15.30	Closing			

EPD - 3

SESSION	MODERATOR	TIME	PAPER ID	AUTHORS	TITLE	
1	Bunga Sakina	08.30-08.45	144	Yosica Mariana, Feshia Wijaya, Tubagus Ahmad Dwinandana	Design of Workstation for Remote Workers with Work Environment Consideration	
		08.45-09.00	177	Yosica Mariana, Inayodhya Kiranajati, Michael Tedja	APARTMENT WITH SOCIAL SUSTAINABILITY APPROACH IN SOUTH JAKARTA	
		09.00-09.15	148	Michael Tedja, Yosica Mariana, Soraya Nabilla Putri Hidayat	Mixed Use Building with Threshold Space Approach in Central Jakarta	
		09.15-09.30	159	Hendrico Firzandy, Antony Sihombing, Achmad Hery Fuad	Sustaining Life in A Particular Community through Patron-Client Relationship	
		09.30-09.45	168	Vincent Sebastian, Mila Savitri, Friska Amalia	Interior Design of Co-Working Area At Library In Bandung City As A Remote Working Facility For Freelance Workers With Biophilic Approach	
		09.45-10.00	166	Lathiyah Shanti Purnamasari, Antony Sihombing, Achmad Hery Fuad	Alienation in urban design and built environment: A literature review for unalienating cities	
			10.00-10.15	BREAK		
		Wiyantara Wizaka	10.15-10.30	119	Polniwati Salim, Christianto Roesli, Sri Rachmayanti, Hendri Hartono	The application of Wastra Nusantara at the Lewis Organic : Sustainability of Indonesian culture in a Green Architectural Public Space
			10.30-10.45	115	Christopher Hans Setiawan, Andriano Simarmata, Savitri Putri Ramadina	Interior Design Planning for Chili Edu-Tourism, KemuTug, Central Java
			10.45-11.00	153	Angela Devina, Andriano Simarmata, R. Asep Ahadiat Gandawijaya	Biomorphic Approach In Interior Design of Health and Organic Food Center
			11.00-11.15	210	Sherly, Titi Indahyani, Yunida Sofiana	Natural Environment Approach In Interior Design of Healthy Food and Information Center
			11.15-11.30	176	Mary Celica Susantio, Rachmi Kumala Widyasari	The Influence of Peranakan Culture on The Typology of The Kidang Mas Batik House, Lasem
			11.30-11.45	136	Ditdit Nugeraha Utama, Nurcahyo Wibowo	A Simple Fuzzy Decision Support Model for Determining the Indonesian Green Cities
			11.45-12.00	72	Andi Pramono, Crosita Yuninda	A Marketing Strategy for Architects using A Virtual Tour Portfolio to Enhance Client Understanding
		12.00-13.00	BREAK			
2	Wiyantara Wizaka	13.00-13.15	77	Floencia Irena Wijaya	Video Mapping Application in Sea Life Experience Interior Design as Education and Recreation Facilities	
		13.15-13.30	84	Anisah El Hafizha Harahap, Wahyu Sardjono	The Implementation of the "My Parking" Application as a Tool and Solution for Changing the Old Parking System to a Smart Parking System in Indonesia	
		13.30-13.45	88	Angelie Natalia Sanjaya, Agung Purnomo, Fairuz Iqbal Maulana, Etsa Setiyati, Priska Purnama,	A Systematic Review of Marketing in Smart City	
		13.45-14.00	113	Charin TH Simatupang, Dewi A Shoviah, Fairuz Iqbal Maulana, Ida Bagus Ananta Wijaya, Ira Audia Agustina,	Design and Development Applications HD/R Comic Cafe Using Augmented Reality	
		14.00-14.15	108	Andi Pramono, Tiara Ika Widia Primadani, Bambang Kartono Kurniawan, Febby Candra Pratama, Crosita Yuninda	Sustainable Material-based Bedside Table Equipped with a Smart Lighting System	
		14.15-14.30	112	Christopher Luis Alexander, Christiano Ekasakti Sangalang, Jonathan Evan Sampurna, Fairuz Iqbal Maulana, Mirza Ramadhani	Malang Historical Monument in HIMO Application with Augmented Reality Technology	
		14.30-14.45	103	Maria Seraphina Astriani	Bee AR Teacher Framework: Build Augmented Reality Independently in Education	
		14.45-15.00	31	Pandu Meidian Pratama, Agik Nur Efendi, Zainatul Mufarikoh, Muhammad David Iryadus Sholihin,	Validation of Augmented Reality Prototype for Aspects of Cultural Learning for BIPA Students	
		15.00-15.30	Closing			

Smart Computing and Communication (SCC)

SCC - 1

SESSION	MODERATOR	TIME	PAPER ID	AUTHORS	TITLE	
1	Jimmy Linggarjati	08.30-08.45	5	Muhammad Zacky Asy'ari	Intelligent Small Scale Autonomous Vehicle Development Based On Convolutional Neural Network (CNN) for Steering Angle Prediction	
		08.45-09.00	12	Emny Harna Yossy	Church Online Queuing System based-on Android	
		09.00-09.15	17	Bens Pardamean, Teddy Suparyanto, Gokma Sahat Tua Sinaga, Gregorius N. Elwirehardja, Erick Firmansyah, Candra Ginting, Hangger Gahara Mawandha, Dian Pratama Putra	Comparison of K-Nearest Neighbor and Support Vector Regression for Predicting Oil Palm Yield	
		09.15-09.30	20	Ivan Alexander, Rico Wijaya	Controllable Smart Locker using Firebase Services	
		09.30-09.45	39	Wahyu Sardjono	Adoption of Artificial Intelligence In Response To Industry 4.0 In the Mining Industry	
		09.45-10.00	22	Daniel P Hutabarat, Ivan Alexander	Controllable Nutrient Feeder and Water Change System Based On IoT Application for Maintaining Aquascape Environment	
		10.00-10.15	BREAK			
		10.15-10.30	47	Lukas Tanutama, Albert Hardy	A Study of Information and Communications Technology Students e-Platform Choices as Technopreneur	
		10.30-10.45	51	Nyoman Wira Prasetya	IoT in The Aquaponic Ecosystem for Water Quality Monitoring	
		10.45-11.00	53	Bambang Dwi Wijanarko, Dina Fitria DFM Murad, Dania Amelia, Fitri Ayu Cahyaningrum	Detect The Use of Real-Masks with Machine Acquiring using The Concept of Artificial Intelligence	
		11.00-11.15	7	Muhammad Zacky Asy'ari	Histogram of Oriented Gradients (HOG) and Haar Cascade with Convolutional Neural Network (CNN) Algorithms Performance Comparison in the Application of Intelligent Home Security System	
		11.15-11.30	13	Emny Harna Yossy, Wahyu Satrya	Tourism Recommendation System Using Fuzzy Logic Method	
		11.30-11.45	18	Immanuela Puspasari Saputro, Junaidy Budi Sanger, Angelia Melani Adrian, Gilberth Mokorisa,	Application of Convolution Neural Network for Plastics Waste Management using TensorFlow	
		11.45-12.00	30	Nicholas Dominic, Naufal Pratama, Kenny Cornelius, Shavellin Senewew, Bens Pardamean	Society with Trust: A Scientometrics Review of Zero-knowledge Proof Advanced Applications in Preserving Digital Privacy for Society 5.0	
		12.00-13.00	BREAK			
2	Endra Oey	13.00-13.15	54	Meta Amalya Dewi, Dina Fitria DFM Murad, Arba'iah Inn, Taufik Darwis, Noor Udin	Multiple Regression Model in Testing the Effectiveness of LMS After Covid-19	
		13.15-13.30	57	Dina Fitria DFM Murad, Deby Destyananda Windasari Ramadhana, Enquity Rizki Ekayekti	Development of "RURUH" Mobile Based Application to Increase Mental Health Awareness	
		13.30-13.45	59	Bani Fahlevi, Dery Oktora Pradana, Maulana Haikal, GG Faniru Pakuning Desak, Meta Amalya Dewi	Development of Indoor Positioning Engine Application at Workshop PT Garuda Maintenance Facilities Aero Asia Tbk	
		13.45-14.00	63	GG Faniru Pakuning Desak, Sunardi, Imanuel Revelino Murmanto, Johari Firman Julianto Sirait	Analysis and Design of Information System E-Check Sheet	
		14.00-14.15	64	Abimanyu Yoga Prastama, Primus William Oliver, MHD. Irsan Saputra, Titan Halim	User Experience Analysis of Web-Based Application System OTRS (Open-Source Ticket Request System) by Using Heuristic Evaluation Method	
		14.15-14.30	65	Inayatulloh	Implementation Block Chain Technology and Internet of Thing on Land Transportation to Reduce Traffic Jam in Big Cities	
		14.30-14.45	66	Jimmy Linggarjati	Review for Person Recognition using Siamese Neural Network	
		14.45-15.00	67	Ida Bagus Ananta Wijaya, Irawan Setyabudi, Dian Kartika Santoso	Thermal Condition Evaluation of Farmhouse Using Ecotect Analysis as an Effort to Optimize Cultural Activity of Enclave Villagers (Case Study: Ngadas, Bromo Tengger Semeru National Park)	
		15.00-15.30	Closing			

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SESSION	MODERATOR	TIME	PAPER ID	AUTHORS	TITLE	
1	Wiedjaja Atmadja	08.30-08.45	69	Santoso Budijono, Daniel P. Hutabarat,	Intelligent Home Monitoring System Using IoT Device	
		08.45-09.00	71	Rico Wijaya, Ivan Alexander	Contactless Student Attendance System Using BLE Technology, QR-Code, and Android	
		09.00-09.15	74	Jessica Nathalie Wenas, Adriyani Fernanda Kurniawan, Michael, Robertus Atmojo	Factor Influencing the Intention to Use Electronic Payment among Generation Z in Jabodetabek	
		09.15-09.30	75	Lukas Tanutama	Shirt Folding Appliance for Small Home Laundry Service Business	
		09.30-09.45	76	André de Carvalho, I Gede Putra Kusuma Negara, Alif Tri Handoyo	Irrigation Control System for Seedlings Based on the Internet of Things	
		09.45-10.00	78	Sularso Budilaksono, Febrianty, Woro Harkandi Kencana, Nizirwan Anwar	Intelligent System Of Productivity Monitoring And Organic Garden Marketing Based On Digital Trust With Multi Criteria Decision Making Method	
		10.00-10.15	BREAK			
		10.15-10.30	79	Nizirwan Anwar, Sularso Budilaksono, Febrianty, Woro Harkandi	Ranking Soil Characteristics-Based Food Crop Determination Using Multi-Factor Evaluation Process (MFEP) Method	
		10.30-10.45	85	Endra Oey	Projection Matrix Optimization for Compressive Sensing with Consideration of Cospase Representation Error	
		10.45-11.00	90	Dedy Ariansyah, Gregorius Elwirehardja, Reza Rahutomo, Faisal Asadi, Bens Pardamean,	AI-based video analysis for driver fatigue detection: A literature review on underlying datasets, labelling, and alertness level classification	
		11.00-11.15	87	Endra Oey, Winda Astuti	Emotion Recognition based on Voice using Combination of Long Short Term Memory (LSTM) and Recurrent Neural Network (RNN) for Automation Music Healing Application	
		11.15-11.30	89	Munzir Qadri, Winda Astuti	Analysis Of Knocking Potential Based On Vibration On A Gasoline Engine For Pertalite And Pertamina Turbo Using Signal Processing Methods	
		11.30-11.45	95	Syahroni, I Gede Putra Kusuma Negara, Galih Dea Pratama	Light Control and Monitoring System Based on Internet of Things	
		11.45-12.00	86	Endra Oey, Yuli Astuti Andriatin, Winda Astuti	Development of Wireless Integrated Early Warning System (EWS) for Hospital Patient	
		12.00-13.00	BREAK			
2	Lukas Tanutama	13.00-13.15	98	Benfano Soewito	Website Personalization Using Association Rules Mining	
		13.15-13.30	104	Fajrul Islamy, Kahlil Muchtar, Fitri Arnia, Rahmad Dawood, Alifya Febriana, Gregorius N. Elwirehardja, Bens Pardamean	Performance Evaluation of Coffee Bean Binary Classification through Deep Learning Techniques	
		13.30-13.45	96	Gusti Pangestu, Daniel Anando Wangean, Sinjiru Setyawan, Choirul Huda, Fairuz Iqbal Maulana, Albertus Verasius Dian Sano, Slamet Kuswantoro	Transfer Learning Approach Based on MobileNet Architecture For Human Smile Detection	
		13.45-14.00	117	Safarudin Gazali Herawan	Portable Waste Bank for Plastic Bottles with electronic-Money Payment	
		14.00-14.15	32	Adie E.Yusuf	The Overall Review of Electrification through Renewable Energies in Indonesia	
		14.15-14.30	73	Roikhanatun Nafi'ah, Era Febriana, Kumara Pinasthika	Design innovation of lobster fishing gear based on smart IoT with the TRIZ (Teoriya Resheniya Izobreatatelskikh Zadatch) approach	
		14.30-14.45	19	Nicholas Phandinata, Muhammad Nurul Puji, Winda Astuti, Yuli Astuti Andriatin	Study on optimal machine learning approaches for Kidney Failure Detection System Based on Ammonia Level in The mount	
		14.45-15.00	120	Wiedjaja Atmadja	IoT Based Beverage Dispenser Machine	
		15.00-15.30	Closing			

Innovative Food Technology

IFT-1

SESSION	MODERATOR	TIME	PAPER ID	AUTHORS	TITLE	
1	Diana Lo	08.30-08.45	5	Luna Loho, Diana Lo , Andreas Romulo	Proximate and fatty acid analysis of Black Soldier Fly Larvae (<i>Hermetia illucens</i>)	
		08.45-09.00	8	Rudi Nirwantono , Joko Pebrianto Trinugroho, Digo Sudigyo, Alam Ahmad Hidayat, Bharuno Mahesworo, Bens Pardamean	Genome mining of potential enzyme from <i>Chelatococcus composti</i> for sustainable production of D-Allulose	
		09.00-09.15	30	Nico Hananda, Christian Harito , Azure Kamul, Endang Djuana, Gregorius Natanael Elwirehardja, Bens Pardamean, Feryanto E. Gunawan, Arief S. Budiman, Muhammad Asrol, Tim Pasang	Solar Drying in Indonesia and its Development: A Review and Implementation	
		09.15-09.30	32	Jesstika Anggreany Yendro , Dwiyantari Widyaningrum	The development of vegetarian meatballs with oyster mushroom and tempeh flour using conjoint analysis and organoleptic test	
		09.30-09.45	51	Ervina , Angelly Tenadi, Gabriella Renata, Shanie Aurelia	Does consumer knowledge of sorghum impact their liking? Investigating consumers preferences on sorghum biscuits using JAR (Just-About-Right) scale	
		09.45-10.00	45	Arodio Dwiyoga Cahya, Reggie Surya , Felicia Tedjakusuma	Development of turmeric extract-enriched cookies	
		10.00-10.15	BREAK			
		10.15-10.30	40	Natasha Yo Valerie Michelle , Dwiyantari Widyaningrum	Optimization of Chlorella milk beverage formulation using D-optimal mixture design	
		10.30-10.45	165	Jessica Anggraini, Diana Lo	Health Impact of Carrageenan and Its Application in Food Industry: A Review	
		10.45-11.00	56	Vincentia Wilianto, Ervina	Evaluating consumer preferences based on the total antioxidant activity of the Indonesian herbal drink "Bandrek"	
		11.00-11.15	58	Etania Karen Utari Partio, Reggie Surya , Felicia Tedjakusuma	Analysis of antioxidant and hedonic acceptance of turmeric extract-enriched milk	
		11.15-11.30	98	Elysia Evelyn , Priyo Wasmodo	Water Sorption Isotherm of Ebi Seasoned Potato Chip Model	
		11.30-11.45	130	Donald John Calvien Hutabarat , Jansen Stevensen	Physicochemical Properties of Enzymatically Modified Starch A Review	
11.45-12.00						
		12.00-13.00	BREAK			
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		15.00 - 15.30	Closing			

IFT-2

SESSION	MODERATOR	TIME	PAPER ID	AUTHORS	TITLE	
1	Fathyah Hanum	08.30-08.45	180	Vincy Liunardi, Andreas Romulo , Tiffany Hendrawan	Integrating the Kano Model and Quality Function Deployment for the Development of Ready-to-Eat Smoothie Bowl	
		08.45-09.00	212	Gracia Inneke, Hari Kristopo	The effect of potato starch and xanthan gum addition on cilantro sauce product development	
		09.00-09.15	199	Joeyv Arzelia Bartolomiusihosa, Wiwit Amrinola	The effect of sorghum flour substituted in kwetiau (rice noodles) on the characteristics of physicochemical, functional, and sensory	
		09.15-09.30	200	Katherine Gunadi, Fathyah Hanum Pamungkaningtyas	Effect of emulsifiers addition in sponge cake premix on the physical and sensory of sponge cake	
		09.30-09.45	191	Han Na Jang, Andreas Romulo	Physicochemical and Sensory Evaluation of Shirataki Noodles Prepared from Porang and Tapioca Flours	
		09.45-10.00	218	R. Haryo Bimo Setiarto , Ata Aditya Wardana	Biosynthesis of nisin, antimicrobial mechanism and its applications as a food preservation: A review	
		10.00-10.15	BREAK			
		10.15-10.30	134	Ivander , Nyoman Dyota Pramudita, Nathanael Yonathan	Supplier Assessment in PET Recycle for The Beverage Industry	
		10.30-10.45	152	Duyen Hanh Tran, Huyhn Xuan Phong , Nguyen Ngoc Huy Binh, Le Quoc Viet, Luu Minh Chau, Nguyen Ngoc Thanh, Tan Phat Dao, Le Dang Truong	Selection and identification of antibacterial and GABA-producing lactic acid bacteria from Vietnamese fermented meat	
		10.45-11.00	156	Nur Fathonah Sadek , Rizanti Suha Hamidah	The Stability of Total Phenolic and Antioxidant Activity during Processing and Cooking of Sorghum-Moringa Substituted Tapioca Noodle	
		11.00-11.15	169	Meggie Rubby, Wiwit Amrinola , Rienna Oktarina	Development of ready-to-eat (RTE) liwet rice with corn analog rice substitution as an alternative food in emergency conditions	
		11.15-11.30	52	Stefanny, Fathyah Hanum Pamungkaningtyas	Shrimp paste: different processing and microbial composition across Southeast Asia	
		11.30-11.45	157	Nur Fathonah Sadek , Rizanti Suha Hamidah	The Nutritional Content, Omega Fatty Acids, and Amino Acids Profiles of Sorghum-Moringa Substituted Tapioca Noodles	
		11.45-12.00				
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