

The 2nd International Conference on Engineering and Technology for Sustainable Development (ICET4SD) 2017

Eastparc Hotel Yogyakarta, 13-14 September 2017

Conference Schedule

Time	Program	Room
Day 1		
Wednesday, 13 September 2017		
07.30 - 08.30	Registration and poster collection	Eastparc Hotel Ballroom (4 th floor)
	Photo booth session	
	Coffee break	
08.30 - 08.35	Opening by MC and safety induction	
08.35 - 08.40	National Anthem of Indonesia	
08.40 - 08.45	Hymn of Universitas Islam Indonesia	
08.45 - 08.50	Recitation of Al Quran	
08.50 - 09.00	Welcome speech from Chair: Dr. Sholeh Ma'mun	
09.00 - 09.15	UII Rector's speech: Nandang Sutrisno, SH., LL.M., M.Hum., Ph.D and open the conference	
09.15 - 09.30	Souvenir to Co-organizers by Rector and Dean	
09.30 - 10.30	Keynote Speech Session 1	
	Prof. Hiroshi Tamura: "Preparation of Sodium Alginate and Chitosan Gel by Basic Chitosan Solution"	
	Prof. Wan Ramli Wan Daud: "Hydrogen and Fuel Cells: Sustainable Energy for the Future"	
	Discussion	
10.30 - 11.30	Keynote Speech Session 2	
	Prof. Somnuk Tangtermsirikul: "Sustainability Development for Concrete Construction in Thailand"	
	Dr. Deendarlianto: "Development of Multiphase Flow Researches in Indonesia: from Laboratory to the Society"	
	Discussion	
11.45 - 12.00	Souvenir to Keynote Speakers	
12.00 - 12.15	Photo Session	
12.15 - 13.00	Poster Presentation	Hall (4 th floor)
	Lunch Break and Prayer	
13.00 - 15.00	Parallel Session 1	Parallel Room (3 rd floor)
15.00 - 15.30	Coffee Break and Prayer	
15.30 - 17.15	Parallel Session 2	
Gala Dinner		
18.00 - 19.00	Registration	Eastparc Hotel Ballroom (4 th floor)
19.00 - 19.10	Opening by MC	
19.10 - 19.20	Speech from Dean	
19.20 - 19.30	Speech from Participant	
19.30 - 20.00	Announcement of best paper, best poster, and door prize	
20.00 - 20.30	Contemporary Dance Performance	
20.30 - 21.30	Entertainment	
21.30	Closing	
Day 2		
Thursday, 14 September 2017		
06.30 - 07.00	Registration	Eastparc Hotel Lobby
07.00 - 13.00	Merapi Lava Tour and Prambanan Temple Tour	

Instruction

Instruction for Presenter

- Each presenter will be allocated with total 15 minutes for each presentation. Ten minutes for presentation and 2 minutes for Q&A.
- The remaining time will be used for discussion.
- Each session room will be equipped with Laptop and a LCD projector.

Instruction for Session Chair

1) Session Preparation:

- Chairs are expected to come to the parallel room 10 minutes prior to the start of the session
- Contact the committee to ensure that everything is set for the presentation.
- Discuss the session's structure and time usage with presenters well in advance.
- Every session may consist of 6 to 7 papers.

2) During the Session:

- Inform the presenters about the rules before the session starts and control the time. It is important to maintain the presentation within time frame.
- Introduce presenters in the session quickly.
- Remember that the presentation time is limited, it is allowed to ignore presenter who does not attend as schedule.
- Build an informal atmosphere in the session to encourage discussion.

Instruction for Poster Presenter

- Poster presenters are expected to stay near their posters during the poster sessions in order to reply the questions from other conference participants.
- Posters will be displayed at the poster conference area.

Oral Presentation

Parallel Session 1.1, 13 September 2017, 13.00-15.00

Group A : Industrial Engineering

Room : Dahlia

No	Paper ID	Name	Title
1	ICET4SD2017-301	Prima Fithri, Afri Adnan, Verra Syahmer	Improving Public Library Service Quality in Local City of Indonesia
2	ICET4SD2017-302	Bertha Maya Sopha, Anna Maria Sri Asih	Human Resource Allocation Policy for Humanitarian Organizations: a Systemic Perspective
3	ICET4SD2017-311	Anna Maria Sri Asih, Bertha Maya Sopha, Siti Mardiyah	Urban Logistics Profile – Yogyakarta City, Indonesia
4	ICET4SD2017-317	Elisa Kusriani, Fadrizal Novendri	Determining Key Performance Indicators for Warehouse Performance Measurement – a Case Study in Construction Materials Warehouse
5	ICET4SD2017-336	Purnawan Adi Wicaksono, I Nyoman Pujawan, Erwin Widodo, Sutrisno, Laila Izzatunnisa	Mixed Integer Linear Programming Model for Dynamic Supplier Selection Problem Considering Discounts
6	ICET4SD2017-364	A. Mansur, I. Vanany, N. I. Arvitrida	Challenge and Opportunity Research in Blood Supply Chain Management: a Literature Review
7	ICET4SD2017-369	Taufiq Immawan, Dea Kusuma Putri	House of Risk Approach for Assessing Supply Chain Risk Management Strategies: a Case Study in Crumb Rubber Company

Parallel Session 1.2, 13 September 2017, 13.00-15.00

Group A : Industrial Engineering

Room : Orchid

No	Paper ID	Name	Title
1	ICET4SD2017-307	Hijrah Purnama Putra, Enri Damanhuri, Emenda Sembiring	Integration of Formal and Informal Sector (Waste Bank) in Waste Management System in Yogyakarta City, Sleman and Bantul Regency Special Province of Yogyakarta
2	ICET4SD2017-309	Almira Puan Rachmadhani, Naniek Utami Handayani, Mochammad Agung Wibowo, Ratna Purwaningsih, Hery Suliantoro	Identifying Factors to Choose of Higher Education at State University for Building Brand Awareness
3	ICET4SD2017-318	Bambang Purwanggono, Yohana Aeria Damyana	Effect of Internal R&D Activities to the Accumulation of Organizational Technical Knowledge with the Mediation Role of Absorptive Capacity to Establish the Innovation Capability of Electronic Industries
4	ICET4SD2017-340	M. Mujiya Ulkhaq, Wismar R. Wijayanti, Rahmaningtyas Wiganingrum, Wini R. Dewi, Fahmi Ardi	Assessing University's Sustainability Programs from the Perspective of University Students: a Gap Analysis
5	ICET4SD2017-358	Dwi Adi Purnama, Riadho Clara Shinta, Vembri Noor Helia	Quality Improvements on Creative Industry by Using Integrated Method of

			Fuzzy Ahp-Fmea and Six Sigma Calculation: a Study Case
6	ICET4SD2017-362	Yosa Permata Shafira, Agus Mansur	Production Quality Improvement Analysis of Grey Cambrics using Six Sigma Method
7	ICET4SD2017-374	Suci Miranda, Vembri Noor Helia	Quantitative Analysis on the Fluctuation of Vegetable Price in Supermarket

Parallel Session 1.3, 13 September 2017, 13.00-15.00

Group A : Industrial Engineering

Room : Magnolia

No	Paper ID	Name	Title
1	ICET4SD2017-322	Anindya Agripina Hadyanawati, Ayudyah Eka Apsari, Hari Purnomo	Measuring the Usability of E-banking in Special Region of Yogyakarta
2	ICET4SD2017-325	Gradiyan Budi Pratama, Ari Widyanti, Iftikar Zahedi Sutralaksana	Incorporating Hofstede' National Culture in Human Factor Analysis and Classification System (HFACS): Cases of Indonesian Aviation Safety
3	ICET4SD2017-329	Arnes Faradilla, Muhammad Ridwan andi Purnomo	Development of Ergonomic Website for Engineering Education
4	ICET4SD2017-332	Difana Meilani, Hilma Raimona Zadry, Dina Rahmayanti, Dendi Adi Saputra	Work System Improvement for a Sugarcane Block Enterprise using 10 Physical Ergonomic Principles
5	ICET4SD2017-341	Astrid Wahyu Adventri Wibowo, Titis Wijayanto, Watri Widyastuti, M.K. Herliansyah	The Effects of Clothing Fit and Material of Women's Islamic Sportswear on Physiological and Subjective Responses during Exercise in Warm and Humid Environment
6	ICET4SD2017-350	Muhammad Ragil Suryoputro, Ari andriyas Puji, Amarria Dila Sari, Hari Purnomo	Occupational Health and Safety Effect on Productivity by using Structural Equation Modeling in Garment Factory
7	ICET4SD2017-351	Amarria Dila Sari, Fajri Hardiansal, Muhamad Ragil Suryoputro	Workload Assessment on Foundry SME to Enhance Productivity using Full Time Equivalent

Parallel Session 1.4, 13 September 2017, 13.00-15.00

Group A : Industrial Engineering

Room : Lavender

No	Paper ID	Name	Title
1	ICET4SD2017-320	Indro Prakoso, Hari Purnomo	Rocking Horse Dual Function Design with Folding Seat using Kansei Engineering
2	ICET4SD2017-333	Muhammad Ridwan andi Purnomo, Rizqi Ramadhani, Afif Asbani, Ahmad Rizal Yassaruddin, Bella Azis Dewanti Putri, Arman Adhi Dharmawan	Quality Function Deployment (QFD) on Product Design Development: Group Riding Safety Equipment
3	ICET4SD2017-345	Eko Nurmianto, Udisubakti Ciptomulyono, Suparno, Sudyono Kromodihardjo, Hari Setijono, Nur Ahmad Arief	Physiological Responses in Handling Load

4	ICET4SD2017-347	Tasya Pradipta, Atyanti Dyah Prabaswari, Sri Indrawati	The Mental Workload Analysis to Minimize Work Fatigue and Stress in an Indonesian Oil Mining Industry
5	ICET4SD2017-349	Ahmad Padhil, Hari Purnomo	Macroergonomic Approaches as a Solution to Local Wisdom-Based Tourist Village Development Planning
6	ICET4SD2017-361	Mufti Sayid M., Rian Dwi A., Muhammad andika, Shofa Husaeni P.	WHEEL-MO Wheelchair Extension Electric Motor Wheelchair Extension Inovation as a public Facility for Disable in Adisutjipto International Airport

Parallel Session 2.1, 13 September 2017, 15.30-17.15

Group A : Industrial Engineering

Room : Dahlia

No	Paper ID	Name	Title
1	ICET4SD2017-323	Diana Puspita Sari, Dyah Ika Rinawati, Midiawati	Airline Service Quality Analysis using Integration of FUZZYSERQUAL, PGCV Index and TRIZ Methods in Indonesian Full Service Carrier Airline
2	ICET4SD2017-337	Sutrisno, Purnawan Adi Wicaksono	Dynamic Supplier Selection Considering Full Truck Load and Fuzzy Demand and Its Optimal Strategy by using Fuzzy Expected Value Based Programming
3	ICET4SD2017-346	Abdullah 'Azzam, Sri Indrawati	Development of Decision Support System for Employee Selection using Adaptive Neuro Fuzzy Inference System
4	ICET4SD2017-352	Imam Djati Widodo	Fuzzy Subtractive Clustering Based Prediction Model for Brand Association Analysis
5	ICET4SD2017-354	Annisa Kamilia Rachman, Taufiq Immawan, Wahyudhi Sutrisno	Operational Risk Analysis with Fuzzy FMEA (Failure Mode and Effect Analysis) Approach (Case Study: Optimus Creative Bandung)
6	ICET4SD2017-373	Annisa Uswatun Khasanah, Deliana Ardhitama Erlangga, Ahmad Mustopa Jamil	An Application of Data Mining Techniques in Designing Catalog for a Laundry Service

Parallel Session 2.2, 13 September 2017, 15.30-17.15

Group A : Industrial Engineering

Room : Orchid

No	Paper ID	Name	Title
1	ICET4SD2017-306	Erwin Widodo, Dimas Prihadianto, Dody Hartanto	Multi Period Pricing for Managing Local Fruit Supply Chain
2	ICET4SD2017-313	Sri Hartini, Udisubakti Ciptomulyono, Maria Anityasari, Sriyanto, Darminto Pudjotomo	Sustainable-Value Stream Mapping to Evaluate Sustainability Performance: Indonesian Furniture Company
3	ICET4SD2017-332	Difana Meilani, Prima Fithri, Ikhwan Arief and Putri Yanna Reista	Improving Performance of Housing Developers in West Sumatra Indonesia
4	ICET4SD2017-355	Khaerul Wildani, Muhammad Ragil Suryoputro, Amarria	Analysis of Manual Material Handling Activity to Increase Work

		Dila Sari	Productivity (Case Study: PT. Yamaha Indonesia)
5	ICET4SD2017-365	Halimatussa'diah. Ali Parkhan, Muchamad Sugarindra	Productivity Improvement in the Production Line With Lean Manufacturing Approach (Case Study: PT.XYZ)
6	ICET4SD2017-367	Wiji Agung Santosa, Muchamad Sugarindra	Implementation of Lean Manufacturing to Reduce Waste in Production Line with Approach Value Stream Mapping and Kaizen in Division Panel Sanding Upright Piano Case Study: PT. XY

Parallel Session 2.3, 13 September 2017, 15.30-17.15

Group A : Industrial Engineering

Room : Magnolia

No	Paper ID	Name	Title
1	ICET4SD2017-305	Eko Budi Leksono, Suparno, Iwan Vanany	Development of Relationships Performance Indicators on Sustainable Healthcare Supply Chain Performance Measurement using Balanced Scorecard and DEMATEL
2	ICET4SD2017-312	Irwan Sukendar, Nurwidiana, Diah Nurul Hidayati	Implementation of Supply Chain Management in Supplier Performance Assessment using Analytical Hierarchy Process (AHP) Objective Matrix (OMAX) and Traffic Light System
3	ICET4SD2017-315	Fifi Herni Mustofa, Ria Ferdian Utomo, Kusmaningrum Soemadi	Filling Machine Preventive Maintenance using Age Replacement Method in PT Lucas Djaja
4	ICET4SD2017-324	Ratna Purwaningsih, Anggaina E. Cahyantari, Zulfaida Ariyani, Aries Susanty, Ary Arvianto, Haryo Santoso	Applied of Product-Service System Method to Measure Sustainability Level of Traditional Smoked Fish Processing industries
5	ICET4SD2017-328	Sri Indrawati, Abdullah Azzam, Wini Wiliyanti	Work Facility Design for VCO Operator Using Integrated Quality Function Deployment and Analytic Hierarchy Process
6	ICET4SD2017-348	Raizsa Laksmi, Imam Djati Widodo	Fuel Distribution Process Risk Analysis in East Borneo

Parallel Session 2.4, 13 September 2017, 15.30-17.15

Group A : Industrial Engineering

Room : Lavender

No	Paper ID	Name	Title
1	ICET4SD2017-308	Dyah Ika Rinawati, Diana Puspita Sari, Naniek Utami Handayani, Bramasta Raga Siwi	The Model to Predict the Probability of Merapi Mount Eruption using Bayesian Event Tree
2	ICET4SD2017-310	Puryani, Yuli Dwi Astanti, Gity Nur Fitriani	Policy Development Simulation of Stock Allocation using PROMODEL: a Case Study
3	ICET4SD2017-316	Apriani Soepardi, Pratikto, Purnomo Budi Santoso, Ishardita Pambudi Tama	Interpretive Structural Modelling for Technology-related Barriers to Energy Efficiency Improvement in Indonesia Steel Industry

4	ICET4SD2017-330	Reno Dias Anggara Purba, M. Iqbal Sabit, Joko Sulistio	Evaluation of SME (Small Medium Enterprise) Production System with Discrete System Simulation Method
5	ICET4SD2017-334	Nurhidayat, Annie Purwani	Determining the Vehicles Routes by Considering Different Types and Capacity (Heterogeneous) of the Vehicles to Minimize the Total Cost of Packaged Sugar Distribution
6	ICET4SD2017-335	Hennie Husniah, Yuza Bayuzeta, and Udjianna Pasaribu	Non-cooperative and Cooperative Game-Theoretic Models for Maintenance Policy in Public Transport

Parallel Session 1.1, 13 September 2017, 13.00-15.00

Group B : Chemical Engineering

Room : Sunflower

No	Paper ID	Name	Title
1	ICET4SD2017-101	Astrilia Damayanti, Sarto, Wahyudi B. Sediawan, Siti Syamsiah	Performance Analysis of Immobilized and Coimmobilized Enriched-Mixed Culture for Hydrogen Production
2	ICET4SD2017-131	Dianursanti, Zenitha Lintang Agustin, Dwini Normayulisa Putri	Setting of the Cultivation Medium of Chlorella and Nannochloropsis Through the Addition of $[HCO_3^-]$ as an Effort to Increase the Lipid Content
3	ICET4SD2017-134	Eva Fathul Karamah, Fitri Amalia, Rioneli Ghaudenson, Setijo Bismo	Disinfection Escherichia Coli Bacteria using Combination of Ozonation and Hydrodynamic Cavitation Method with Venturi Injector
4	ICET4SD2017-144	F. Moulydia, N. Salsabila, R. K. Dewi, A. Nirmala, S. Bismo	Burn Drug Made from Ozonated Vegetable Oil Mixture with White Tumeric and Cassava Leaves Extract
5	ICET4SD2017-183	Ardita Rizky Putri Arcanggi, Rita Arbianti, Tania Surya Utami	Effect of Carbon Concentration and Agitation Rate for Producing the AA, DHA, EPA from <i>Aspergillus oryzae</i> with Tapioca and Tofu Wastes as Substrates
6	ICET4SD2017-199	Lutfi Chabib, Zullies Ikawati, Ronny Martien, Hilda Ismail, Made Dwi Pradipta, Wahyudi, Dewa Ayu Arimurni, Arif Hidayat	Rheumatoid Arthritis and the Challenge of using Nanoparticles for Its Treatment

Parallel Session 1.2, 13 September 2017, 13.00-15.00

Group B : Chemical Engineering

Room : Tulip

No	Paper ID	Name	Title
1	ICET4SD2017-105	Hanifrahmawan Sudiby, Laras Prasakti, Arief Budiman, Mohammad Fahrurrozi, Rochmadi	Continuous Monoglyceride Production from Palm Fatty Acid Distillate and Glycerol using Vacuum Reactive Distillation Column
2	ICET4SD2017-106	Finda Sihta, Suyitno, Atmanto heru Wibowo, Retno Tanding	Enhancing Biogas Quality of Indigofera Plant Waste through Co-Digestion with Cow Dung

3	ICET4SD2017-111	Sutarno, Abdul Malik Kholiq	Utilization of Robusta Coffee Peel Waste as a Renewable Energy Material – Bioethanol
4	ICET4SD2017-165	Tri Widjaja, Nuniek Hendrianie, Ali Altway, Siti Nurkhamidah, Fibrillian Zata Lini, Yumarta Tansil	The Effect of Organosolv Pretreatment on Optimazation of Hydrolysis Process to Produce The Reducing Sugar
5	ICET4SD2017-167	Yano Surya Pradana, Farida Arisa, Fariz Azwar Azmi	Advancing Biodiesel Production from Microalgae via In-situ Transesterification Process
6	ICET4SD2017-184	Khamdan Cahyari, Muslikhin Hidayat, Siti Syamsiah, Sarto, Mohammad J. Taherzadeh	Rapid Fermentation Process of Whole Fruit Waste for Simultaneous Biohydrogen and Biogas Production
7	ICET4SD2017-196	Kusmiyati, Ryzka Pratiwi Sukmaningtyas	Pretreated of Banana Pseudo-Stem as Raw Material for Enzymatic Hydrolysis and Bioethanol Production

Parallel Session 1.3, 13 September 2017, 13.00-15.00

Group B : Chemical Engineering

Room : Carnation

No	Paper ID	Name	Title
1	ICET4SD2017-107	Muflih A. Adnan, Mohammad M. Hossain	CO ₂ Gasification of Microalgae – a Thermodynamic Study
2	ICET4SD2017-110	Siti Fatimah, Wiharto Wiharto	Multiple Linear Regression for Analysis the Parameters of Dyes Decolourisation by Ozonation Techniques
3	ICET4SD2017-114	Yano Surya Pradana , Ardian Fauzi, Sangga Hadi Pratama, Hanifrahmawan Sudibyso	Simulation of Biodiesel Production using Hydro-esterification Process from Wet Microalgae
4	ICET4SD2017-116	Ahmad Misfa Kurniawan, Renanto Handogoa, Hao-Yeh Leeb, Juwari Purwo Sutiknoa	Non-square Open-loop Dynamic Model of Methyl Acetate Production Process by using Reactive Distillation Column
5	ICET4SD2017-120	Aditya Anugerah Putra, Juwari, Renanto Handogo	Optimization of Carbon Dioxide Capture and Conversion to Methanol Process
6	ICET4SD2017-149	Rondang Tambun, Piety Sibagariang, Brigitta Alphantaria, Ahmad Mulia Rambe	Droplet Size Distribution Measurement of Water in Kerosene by The Buoyancy Weighing-Bar Method
7	ICET4SD2017-191	Indar Kustiningsih, Sutinah, Muhammad Stefirizky, Slamet, Widodo Wahyu Purwanto	Optimization of TiO ₂ Nanowires Synthesis using Hydrothermal Method for Hydrogen Production

Parallel Session 1.4, 13 September 2017, 13.00-15.00

Group B : Chemical Engineering

Room : Heliconia

No	Paper ID	Name	Title
1	ICET4SD2017-108	Hans Kristianto, Maria Angelina Kurniawan, Jenny Novianti M. Soetedjo	Utilization of Papaya Seeds as Natural Coagulant for Synthetic Textile Wastewater Treatment

2	ICET4SD2017-112	Fauzan Nazif, M. Sudibandriyo	Production of Antipollutan Mask Based Activated Carbon from Wasted Coconut Shell
3	ICET4SD2017-118	N. A. Madiadipura, M. Sudibandriyo	Hydrogen Recovery from CH ₄ – H ₂ Gas Mixture by Utilizing Coconut Shell-Based Activated Carbon
4	ICET4SD2017-142	Eko Siswoyo, Anandhitya Rhezsa Adrian, Shunitz Tanaka	Bioadsorbent Based on Water Hyacinth Modified Citric Acid for Adsorption of Methylene Blue in Water
5	ICET4SD2017-143	A. G. Dianty, A. R. S. Harahap, C. Harfian, S. Bismo	Wet Impregnation of Silver Oxide on Lampung Natural Zeolite as an Adsorbent to Produce Oxygen-Enriched Air using PSA Technique
6	ICET4SD2017-156	Riyanto, Tri Astuti Agussetianingrum	The Effect of Treatment with Activated Carbon to the Metal Content in Reuse of Lubricating Oil Waste
7	ICET4SD2017-169	Yunus Fransiscus, Restu K. Widi, Gracia O. Aprilasti, Marta D. Yuharma	Adsorption of Phosphate in Aqueous Solutions using Manganese Dioxide

Parallel Session 1.5, 13 September 2017, 13.00-15.00

Group B : Chemical Engineering

Room : Jasmine

No	Paper ID	Name	Title
1	ICET4SD2017-145	Ahmad Fadli, Drastinawati, Subkhan Maulana	Shrinking Core Model of Demineralization of Chitin from Shrimp Shell
2	ICET4SD2017-152	Yuliusman, Rahmatika Alfia Amiliana, Prita Tri Wulandari, Faracira Akuwalifah Kusumadewi	Process Optimization and Kinetics for Leaching Zinc and Manganese from Zinc-Carbon and Alkaline Spent Batteries using Citric Acid
3	ICET4SD2017-154	Indra Perdana, Lenny, I Made Bendiyasa	Regeneration of Geothermal-sludge Based Sodium Silicate Catalyst for Transesterification of Palm Oil with Methanol
4	ICET4SD2017-171	Prasetyo Putra Mahardika, Hendrik Setiawan, Himawan Tri Bayu Murti Petrus	Effect of Temperature and Acid Concentration in Nickel Recovery from Spent Catalyst using Citric Acid
5	ICET4SD2017-187	Hendrik Setiawan, Himawan T.B.M. Petrus, Indra Perdana	A Kinetics Study of Acetic Acid on Cobalt Leaching of Spent LIBs: Shrinking Core Model
6	ICET4SD2017-192	Restu Kartiko Widi, Emma Savitri, Olivia Angelina, Sherlly Caroline O. J., Arief Budhyantoro	Antibacterial Inactivation of Escherichia Coli after TiO ₂ -Fe ₃ O ₄ -Bentonite Photocatalytic Treatment
7	ICET4SD2017-195	Toto Iswanto, Ali Altway, Maya Shovitri, Tri Widjaja	Reaction Kinetics of Carbon Dioxide Absorption into Aqueous MDEA Solution Promoted by L-Arginine and L-Glutamic Acid

Parallel Session 2.1, 13 September 2017, 15.30 17.15**Group B : Chemical Engineering****Room : Sunflower**

No	Paper ID	Name	Title
1	ICET4SD2017-115	Mohamad Rangga Sururi, Suprihanto Notodarmojo, Dwina Roosmini	Chromophoric and Liability Quantification of Organic Matters in the Polluted Rivers of Bandung Watershed, Indonesia
2	ICET4SD2017-129	Zulkifli Abd Rashid, Anis Farhanah Mohd Suhaimi Yeong, Azil Bahari Alias, Mohd Aizad Ahmad, Sherif Abdul Bari Ali	Study of Internal Pressure Impact on Sphere Tank Towards VCE: Feyzin Incident
3	ICET4SD2017-138	Hijrah Purnama Putra, Enri Damanhuri, Akhmad Marzuko	The Concept of "Loop Cycle" in Landfill Management (Case Study at Piyungan Landfill, Yogyakarta, Indonesia)
4	ICET4SD2017-153	Kasam, Fajri Mulya Iresa, Satrio Ajie Prasajo	Evaluation of Solid Waste Management at Campus using the "Zero Waste Index": The Case on Campus of Islamic University of Indonesia
5	ICET4SD2017-172	Supriyanto, Indah Suci Ramadhani	Ambient Air Monitoring of Nitrogen Dioxide at Kalimati, Tirtomartani, Kalasan, Sleman, Yogyakarta
6	ICET4SD2017-193	Widodo Brontowiyono, Dhandhun Wacano	The Development of Green Infrastructure through Optimization of Water Resources Carrying Capacity in Yogyakarta Urban Area

Parallel Session 2.2, 13 September 2017, 15.30 – 17.15**Group B : Chemical Engineering****Room : Tulip**

No	Paper ID	Name	Title
1	ICET4SD2017-103	Yano Surya Pradana, Muhammad Hartono, Agus Prasetya	Performance Evaluation of Household Pyrolytic Stove: Effect of Bottom Air Holes
2	ICET4SD2017-104	Hanifrahmawan Sudiby, Yuni Purwanti, Yano Surya Pradana, Thoriq TejaSamudra, Arief Budiman, Eko Agus Suyono	Modification of Growth Medium of Mixed-culture Species of Microalgae Isolated from Southern Java Coastal Region
3	ICET4SD2017-119	Nurul Syazmimi Hamzah, Siti Shawalliah Idris, Mohd. Efendi Syah Paiman	Co-utilisation of Malaysian Coal and Biomass: An Overview on Different Approaches in Identifying its Synergistic Effects
4	ICET4SD2017-127	Norfarisha Achim, Hazlina Husin, Zulkafli Hassan	Blending Poly(3-hydroxybutyrate) with Polyethylene Glycol: Thermal Behaviour and Rheological Study
5	ICET4SD2017-147	Tengku Amran Tengku Mohd, Noor Fitrah Abu Bakar, Noraliza Awang, Afendi Abu Talib	Aqueous Foams Stabilized with Silica Nanoparticle and Alpha Olefin Sulfonate Surfactant
6	ICET4SD2017-174	Herlian Eriska Putra, Enri Damanhuri, Kania Dewi, Ari Darmawan Pasek	Hydrothermal Carbonization of Biomass Waste under Low Temperature Condition

Parallel Session 2.3, 13 September 2017, 15.30 – 17.15**Group B : Chemical Engineering****Room : Carnation**

No	Paper ID	Name	Title
1	ICET4SD2017-113	Lailan Ni'mah, M. Rizka Akbari, Ferdi Akhmad Khan , M. Afief Ma'ruf	Manufacture of Fiber Composite Materials Musa Acuminate L. Prepared by the Randomized Position with Polymer Matrix Resin
2	ICET4SD2017-122	Fatin Hafizah Mohd Yusop, Fazlena Hamzah, Shareena Fairuz Abdul Manaf	Characterization Studies on Micro-encapsulation of <i>Clinachantus nutans</i> (Belalai Gajah) by Freeze Drying Utilizing Sago Starch
3	ICET4SD2017-126	Achmad Chafidz, Muhammad Rizal, Faisal R.M., Mujtahid Kaavessina, Dhoni Hartanto, S.M. AlZahrani	Processing and Properties of High Density Polyethylene/Date Tree Fiber Composites Prepared by a Laboratory Mixing Extruder
4	ICET4SD2017-602	Asmanto Subagyo	Analysis Ballistic Impact Modeling of Multicomponent Fabrics with Jalaba Stucture
5	ICET4SD2017-604	Asril S. Soekoco, Dody Mustofa, Rosmawati, Jane P	Recycled Fiber from Straw Waste: Effect of Take-up Speed and Spinneret Diameter to Linear Density and Tenacity
6	ICET4SD2017-1101	Sholeh Ma'mun	Amine-based Carbon Dioxide Absorption: Evaluation of Kinetic and Mass Transfer Parameters

Parallel Session 2.4, 13 September 2017, 15.30 – 17.15**Group B : Chemical Engineering****Room : Heliconia**

No	Paper ID	Name	Title
1	ICET4SD2017-109	H. Fazlena, S. N. Nadiyah, R. N. Azrini, Y. N. Najwa	The Effect of TiO ₂ in Characteristic of Polysulfone Membrane
2	ICET4SD2017-117	Ditpon Kotatha, Masahuru Hirata, Satoshi Uchida, Mayuko Ogino, Masashi Ishikawa, Tetsuya Furuike, Hiroshi Tamura	Preparation and Characterizations of Gelatin Electrospinning for Used as Nonaqueous Electrolyte in Electric Double-Layer Capacitor
3	ICET4SD2017-137	Syaidatul Akma Mohd Zuki, Norazah Abd Rahman, Noor Fitrah Abu Bakar	An Overview on Nanocrystal Cellulose as a Drug Excipient in Transdermal Patch for Wound Healing
4	ICET4SD2017-158	Praswasti PDK Wulan, Yuni Dwi Lestari	The Effect of Oxidative Heat Treatment towards the Preparation of Stainless Steel 304 and 316 as the Effective Catalytic Substrates Growth of Carbon Nanotube
5	ICET4SD2017-168	Muthia Elma , Heru Setyawan	Performance of Silica Membranes for Water Desalination Fabricated Through Conventional and Rapid Thermal Processing
6	ICET4SD2017-173	Puji Lestari, Indah Pratiwi, Any Juliani	Green Synthesis of Silver Nanoparticles using Rambutan (<i>Nephelium lappaceum</i> L.) Peel Extract and Its Antibacterial Activity Against <i>Salmonella paratyphi</i> A.

Parallel Session 2.5, 13 September 2017, 15.30 – 17.15**Group B : Chemical Engineering****Room : Jasmine**

No	Paper ID	Name	Title
1	ICET4SD2017-123	Ahmad Hafizan Muhammad Muhayyidin, Nurul Aimi Ghazali, Noor Fitrah Abu Bakar, Wan Asma Ibrahim, Arina Sauki, Zulkafli Hassan, Chuah Chow Aun	Tannin Extraction from Bark of <i>Rhizophora mucronata</i> using Soxhlet and Boiling Techniques
2	ICET4SD2017-124	Yuliusman, Rahmatika Alfia Amiliana, Prita Tri Wulandari, Faracira Akuwalifah Kusumadewi	Selection of Organic Acid Leaching Reagent for Recovery of Zinc and Manganese from Zinc-Carbon and Alkaline Spent Batteries
3	ICET4SD2017-128	Yuliusman, Imam Taufiq Ramadhan, Miftakhul Hud	Recovery of Cobalt from Leach Solution of Spent Oil Hydrodesulphurization Catalyst using a Synergistic System Consisting of Versatic TM 10 and Cyanex® 272
4	ICET4SD2017-139	Adid Adep Dwiatmoko	Surface Modification and Catalytic Property of Niobic Acid
5	ICET4SD2017-146	Mohd. Azahar Mohd. Ariff, Zulkifli Abdul Ghani, Noor 'Aina Abdul R, Mohamed Syazwan Osman, Jefri Jaapar	Supercritical CO ₂ Extraction of Red Butterfly Wing Leaves: Process Parametric Study towards Extraction Yield
6	ICET4SD2017-157	A. F. Abdul Rahim, A. Kadri, N. Harun	The Effect of Enzymatic Pretreatment in Agarwood Oil Extraction

Parallel Session 2.6, 13 September 2017, 15.30 – 17.15**Group B : Chemical Engineering****Room : Violet**

No	Paper ID	Name	Title
1	ICET4SD2017-132	Yuliusman, Prita Tri Wulandari, Rahmatika Alfia Amiliana, Faracitra Akuwalifah Kusumadewi	Acquisition of Co Metal from Spent Lithium-ion Battery with Emulsion Liquid Membrane Technology using Cyanex 272 as Extractant
2	ICET4SD2017-136	Arif Hidayat, Bachrun Sutrisno	Simulation Study of the Biodiesel Production from Palm Fatty Acid Distillate using Palm Empty Fruit Bunch Catalyst in Reactive Distillation Column
3	ICET4SD2017-140	Yuliusman, Miftakhul Huda, Imam Taufiq Ramadhan	Recovery of Ni Metal from Spent Catalyst with Emulsion Liquid Membrane Using Cyanex 272 as Extractant
4	ICET4SD2017-166	Martomo Setyawan, Panut Mulyono, Sutijan, Arief Budiman	Comparison of Nannochloropsis sp. Cells Disruption between Hydrodynamic Cavitation and Conventional Extraction
5	ICET4SD2017-175	Lilis Kistriyani, Muhammad Farid Yulianto, Rifqi Prasetya Y.	Effect of Na ₂ SO ₃ Concentration to Drug Loading and Drug Release of Ascorbic Acid in Chitosan Edible Film as Drug Delivery System Membrane
6	ICET4SD2017-181	Retno A. S. Lestari, Wahyudi B. Sediawan, Sarto	Biodegradation of Sulfide in Biogas by Biofilm on Salak Fruit Seeds: The Effect of Intra-film-gradient

Parallel Session 1.1, 13 September 2017, 13.00-15.00**Group C : Informatics****Room : Primerose**

No	Paper ID	Name	Title
1	ICET4SD2017-403	Barlian Henryranu Prasetyo, Wijaya Kurniawan	Disturbance Rejection using Feed-Forward Control System on Self Balancing Robot
2	ICET4SD2017-405	Hurriyatul Fitriyah, Edita Rosana Widasari, Rekyan Regasari Mardi Putri	Inner-Chantus Localization of Thermal Images in Face-View Invariant
3	ICET4SD2017-410	Ai Nurhayati, Aditya Gautama D.	Decision Making Model Design for Antivirus Software Selection using Factor Analysis and Analytical Hierarchy Process
4	ICET4SD2017-413	Supangat, Francisca Haryanti Chandra, Agus Hermanto	The Design of E-Learning Applications by Considering Aspects of the User's Personality Based on Students Take Courses in Human-Computer Interaction
5	ICET4SD2017-414	Almed Hamzah, Ahmad Fathan Hidayatullah	Clustering on Twitter: Case Study Twitter Account of Higher Education Institution in Indonesia
6	ICET4SD2017-421	Domy Kristomo, Risanuri Hidayat, Indah Soesanti	Syllables Sound Signal Classification using Multi-layer Perceptron in Varying Number of Hidden-Layer and Hidden-Neuron
7	ICET4SD2017-422	Izzati M., Dadang Heksaputra, Indrayanti	Color Feature Extraction of HER2 Score 2+ Overexpression on Breast Cancer using Image Processing

Parallel Session 1.2, 13 September 2017, 13.00-15.00**Group C : Informatics****Room : Violet**

No	Paper ID	Name	Title
1	ICET4SD2017-401	Barlian H. Prasetyo, Dahniel Syauqy, Rizal Maulana, Gembong E. Setyawan	Study of Voice Data using Network Streams on Dataflow Programming
2	ICET4SD2017-404	Hurriyatul Fitriyah, Edita Rosana Widasari, Eko Setiawan, Brian Angga Kusuma	Interaction Design of Automatic Faucet for Standard Hash-Wash
3	ICET4SD2017-411	Nina Dwiastuty, Susilawati, Muhammad Sulhan	The Using of Readutainment as E-Learning to Improve the Students' Reading Comprehension Skill
4	ICET4SD2017-412	Agus Hermanto, Supangat	Integration of EA and IT Service to Improve Performance at Higher Education Organizations
5	ICET4SD2017-416	Rini Anggrainingsih, Muhammad Zuhul Umam, Haryono Setiadi	Determining E-learning Success Factor in Higher Education Based on User Perspective Using Fuzzy AHP
6	ICET4SD2017-423	Teduh Dirgahayu	On The Improvement of IT Process Maturity: Assessment, Recommendation and Validation

7	ICET4SD2017-424	Sadewa Chandra, Fahrur Hafiz, Theresia Herlina Rochadiani, Handri Santoso	Smart Notification Attendance using Raspberry PI and Module SIM800I with Face Recognition and Face Anti-Spoofing Technology
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Parallel Session 2.1, 13 September 2017, 15.30 – 17.15

Group C : Informatics

Room : Primerose

No	Paper ID	Name	Title
1	ICET4SD2017-407	Budi Prasetya, Adit Kurniawan, Iskandar, Arfianto Fahmi	Joint Power Loading and Phase Shifting on Signal Constellation for Transmit Power Saving on OFDM/OFDMA Systems
2	ICET4SD2017-408	Ari Sujarwo, Jefferson Tan	Enterprise Firewall Virtualization Design
3	ICET4SD2017-409	Ayu Bandu Retnomurti, R.R. Astri Indriana Octavita	Web-based Audiovisual Phonetic Table Program Application as E-Learning of Pronunciation Practice in Undergraduate Degree Program
4	ICET4SD2017-417	Edita Rosana Widasari, Barlian Henryranu Prasetio, Hurriyatul Fitriyah, Reza Hastuti	Implementation of Dataflow Programming based Fuzzy Logic Algorithm for Gas Concentration Index in around of Sidoarjo Mudflow, Indonesia
5	ICET4SD2017-418	Endar Suprih Wihidayat, Ovide Decroly Wisnu Ardhi	Enhancing Usability using Near Field Communication for Mobile Application
6	ICET4SD2017-420	Vera Suryani, Selo Sulisty, Widyawan Widyawan	Simulation of Trust-based Attacks in Internet of Things

Parallel Session 1.1, 13 September 2017, 13.00-15.00

Group D : Electrical Engineering

Room : Rose

No	Paper ID	Name	Title
1	ICET4SD2017-201	Afrizal Abdi Musyafiq	Long-term Energy Demand and Supply Forecasting Based on Electricity Consumption Intensity and Installed Capacity Power Plant in Central Java Using Long-range Energy Alternative Planning (LEAP) Projection 2015-2045
2	ICET4SD2017-203	Triwiyanto, Oyas Wahyunggoro, Hanung Adi Nugroho, Herianto	Adaptive Threshold to Compensate the Effect of Muscle Fatigue on Elbow-Joint Angle Estimation Based on Electromyography
3	ICET4SD2017-205	Mohammad Azren Saad, Ab Malik Marwan Ali, Rosnah Zakaria	Quantum Dot Solar Cells Studies on the Influence of Cadmium Selenide (CdSe)QDs and The Zinc Sulfide(ZnS) QDs in the Photoanode
4	ICET4SD2017-207	N.A.S. Effendi, N.S. Samsi, O.H. Hassan, R. Zakaria, M.Z.A. Yahya, A.M.M. Ali	Electron Transport Studies of Graphene - Zinc Oxide Composite Thin Films
5	ICET4SD2017-209	Agus Harjoko, Tri Ratnangsih, Esti Suryani, Wiharto, Sarngadi Palgunadi, Nurcahya Pradana Taufik Prakisyta	Classification of Acute Myeloid Leukemia Subtypes M1, M2 and M3 Using Active Contour without Edge Segmentation and Momentum Backpropagation Artificial Neural Network
6	ICET4SD2017-211	Didik Notosudjono, Evita Wismiana, Fitrah Alamsyah, Bagus Dwi Ramadhon	Potential and Load Evaluation Analysis of Ubrug Hydro Power Plant Sukabumi-Jawa Barat

7	ICET4SD2017-218	Yusuf A. Amrulloh, Jawahir Al Kalamul Haq	Stationary and Non-Stationary Artifacts Removal from Breath Sound Recordings in Pediatric Pneumonia
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Parallel Session 2.1, 13 September 2017, 15.30 – 17.15

Group D : Electrical Engineering

Room : Rose

No	Paper ID	Name	Title
1	ICET4SD2017-202	Achmad Rizal, Risanuri Hidayat, Hanung Adi Nugroho	Fractality Evaluation for Pulmonary Crackle Sound using the Degree of Self-Similarity
2	ICET4SD2017-204	Triwiyanto, Oyas Wahyunggoro, Hanung Adi Nugroho, Herianto	Evaluating the Effect of Muscle Fatigue on Elbow-Joint Angle Estimation Based on Electromyography during Dynamic Contraction
3	ICET4SD2017-206	Mohammad Azren Saad, Ab Malik Marwan Ali, Rosnah Zakaria	Studies of the Absorbance Peak on The N719 Dye Influence by Combination between Cadmium Selenide (CdSe)QDs and Zinc Sulfite(ZnS) QDs with the Difference Weight Percent in the Liquid Form
4	ICET4SD2017-210	Ahmad Zafrullah Mardiansyah, Agus Bejo, Risanuri Hidayat	Fingerprint Image Reconstruction for Swipe Sensor using Predictive Overlap Method
5	ICET4SD2017-214	Ida Nurcahyani	A Novel Scheduling with Channel-Aware Algorithm for Multi-Service Flow in the LTE Network
6	ICET4SD2017-215	Prima Asmara Sejati, Yano Surya Pradana, Aitia Mulyawati Widiyannita, AdeKurniawan, Budhijanto and Arief Budiman	Modeling of Algal Oil Extraction from Tetraselmis sp. using Pulsed Electric Field (PEF)

Parallel Session 1.1, 13 September 2017, 13.00-15.00

Group D : Mechanical Engineering

Room : Lilac

No	Paper ID	Name	Title
1	ICET4SD2017-504	Agung Setyo Darmawan, Agus Dwi Anggono, Abdul Hamid	Die Design Optimization on Sheet Metal Forming with Considering the Phenomenon of Springback to Improve Product Quality
2	ICET4SD2017-505	Widia Setiawan, Djarot B. Darmadi, Wahyono Suprpto, Rudy Soenoko	Comparison of Corner-Butt 45 (CB-45) and Corner-Lap (CL) Joints in Friction Stir Welding
3	ICET4SD2017-507	Djarot B. Darmadi, Widia Setiawan	45° Friction Stir Welding Corner Butt Joint of Aluminium 606
4	ICET4SD2017-513	Dendy Satrio, I Ketut Aria Pria Utama, Mukhtasor	The Influence of Time Step Setting on the CFD Simulation Result of Vertical Axis Tidal Current Turbine
5	ICET4SD2017-519	Ahmad Syuhri, Imam Sholahuddin, Skriptyan N.H. Syuhri, Rika D.H. Qoryah	Modeling and Evaluation of a Threshing Drum under Vertical Vibration

6	ICET4SD2017-529	Purtojo, Mulfiyandi	Point-to-point Practical Controller Performance in an Experimental Two-axes Belt Driven Mechanism
7	ICET4SD2017-532	Infandra Irfak Zainudin Ridwan, Suchada Rianmora, Siwat Werawatganon	Farming Product Design through Customer Preference Representation

Parallel Session 1.2, 13 September 2017, 13.00-15.00

Group D : Mechanical Engineering

Room : Coriander

No	Paper ID	Name	Title
1	ICET4SD2017-501	Budiarso, Warjito, D. Adanta, N.S. Putra	Type of Cut-Out Bucket Selection for Pico Hydro Pelton Turbine
2	ICET4SD2017-502	Agus Wibowo, I.N.G Wardana, Slamet Wahyudi, Denny Widhiyanuriyawan	A Comparative Analysis of Spray Combustion of Kapok Seed Oil and Jatropha Oil
3	ICET4SD2017-509	Teguh Wibowo, Arif Widyatama, Samsul Kamal, Indarto, Deendarlianto	The Effect of Pressure and Frequency on the Dynamics Behavior and Evaporation Time of Successive Water Droplets Impacting onto Hot Surface
4	ICET4SD2017-515	Mega Nur Sasongko, Widya Wijayanti	Experimental Investigations of Effect of Compression Ratio on the Performance of Spark Ignition Engine using CNG Fuel
5	ICET4SD2017-517	Engkos A. Kosasih, Harinaldi, Budiarso, Rizki Abdul Azis, James Julian	Drag Reduction by Combination of Flow Control using Inlet Disturbance Body and Plasma Actuator on Cylinder Model
6	ICET4SD2017-520	Agung Sugeng Widodo	The Application of Ceramic Stove Cover and Loading Distance to the Performance of Water Boiling System
7	ICET4SD2017-530	Aria Riswanda, Dannys Arif Kusuma, Indro Pranoto, Deendarlianto, Teguh Wibowo	Study on the Effect of Weber Number to Heat Transfer of Multiple Droplets on Hot Stainless Steel Surface

Parallel Session 2.1, 13 September 2017, 15.30 – 17.15

Group E : Mechanical Engineering

Room : Lilac

No	Paper ID	Name	Title
1	ICET4SD2017-503	Ali Alhamidi, Zenji Horita	Microstructure Refinement and Mechanism in Achieving High-Strain Rate Superplasticity of A2024 Alloy through High-Pressure Torsion
2	ICET4SD2017-522	Triyono, Zuhri Nurisna, Agus Supriyanto, Nurul Muhayat	Thermal Spray Application on the Dissimilar Metals Weld between Aluminum and Steel
3	ICET4SD2017-523	Totok Suwanda, Rudy Soenoko, Yudy Surya Irawan, Moch. Agus Choiron	Mechanical Properties Observation of Dissimilar Metal Continuous Drive Friction Welding
4	ICET4SD2017-526	Cahyo Sutowo, Sukma Suci Friandani, Alfirano	Effect of Solution Treatment on the Microstructure and Mechanical

			Properties of a $\alpha+\beta$ Type Ti-6Al-6Mo Hot-Rolled Alloy
5	ICET4SD2017-527	Sabril Haris, Hazmal Herman, Zaidir, Rendy Thamrin	Bolt Connection Behaviour of the Cold-formed Steel Joint
6	ICET4SD2017-528	Sulaksana Permana, Johny W. Soedarsono, Ahmad Maksuma, Ahmad Fadli, Masnita Simbolon, Vithiya S. Y.	Upgrading of Tantalum and Niobium Pentoxides Content at 1 st Bangka Tin Slag by Sodium Hydroxide Quenching and Nitric Acid Leaching

Parallel Session 2.2, 13 September 2017, 15.30 – 17.15

Group E : Mechanical Engineering

Room : Coriander

No	Paper ID	Name	Title
1	ICET4SD2017-508	Harinaldi, James Julian, Budiarmo, Utomo M. P. T.	Drag Reduction and Lift Enhancement on NACA 4415 using Plasma Actuator
2	ICET4SD2017-512	Widya Wijayanti, Mega Nur Sasongko, Purnami	The Effects of Initial Pressure of Hydrate Formation on Propane-Butane Hydrate Formation Rate, Stability and Storage Capacity by Means of Stirrer Tank
3	ICET4SD2017-514	Budiarmo, Harinaldi, Riza Farrash Karim, James Julian	Drag Reduction due to Recirculating Bubble Control using Plasma Actuator on a Squareback Model
4	ICET4SD2017-516	Nurkholis Hamidi, Purnami, Haslinda Kusumaningsih	Single Droplet Combustion of Blended Fuels of Kemiri Sunan (Reutealis Trisperma (Blanco) Airy Shaw) Biodiesel and Petroleum Diesel
5	ICET4SD2017-521	Triyogi Y, Abdul Latip A., Prastiya Putri N., Ubaidillah M., Mazhilna E.N., Ariyanto C., andaryani U., Fauzi A.	Numerical Study on the Effect of Width of Single Curtain on the Performance of Savonius Wind Turbine
6	ICET4SD2017-525	Y. F. Littik, Y.H. Irawan, M.A. Bramantya	Flow-driven Simulation on Variation Diameter of Counter Rotating Wind Turbines Rotor

Poster Presentation

Hall of the Grand Ballroom EastParc Hotel: 12.15 - 12.45

No	Paper ID	Name	Title
1	ICET4SD2017-135	Arif Hidayat, Bachrun Sutrisno	Kinetics of Free Fatty Acids Esterification in Palm Fatty Acid Distillate using Sugarcane Bagasse Biochar Sulfonated Catalyst
2	ICET4SD2017-141	Yati Maryati, Agustine Susilowati, dan Puspa D. Lotulung	Change in Folate Characteristic and Its Identification in Brocoli (<i>Brassica oleracea Italica</i>) Extract Fermented by Lactic Acid Bacteria Mixed Culture (LAB)
3	ICET4SD2017-150	Agustine Susilowati, Puspa Dewi Lotulung, Yati Maryati, Aspiyanto	Modification Process in Nixtamalization of Folic Acid-Rich Dent Corn (<i>Zea Mays Identata</i>) and Its Identification as Smart Food Fortificant
4	ICET4SD2017-155	Riyanto, Ida Rohyani	The Effect of Poly Aluminium Chloride (PAC) to Purification of Salt For Human Consumption and Food Grade
5	ICET4SD2017-162	Tintin Mutiara, Primadonna Ciko Karisa, Intan Mujahidah	Chemical Modified Jackfruit Wood Sawdust as Biosorbents for the Removal of Fe(II) Ions from Aqueous Solutions
6	ICET4SD2017-163	Ajeng Yulianti Dwi Lestari, Abdul Malik, Sukirman, Muhammad Irfan Ilmi, Mahathir Sidiq	Removal of Calcium and Magnesium Ions from Hard Water using Modified <i>Amorphophallus campanulatus</i> Skin as a Low Cost Adsorbent
7	ICET4SD2017-164	Achmad Chafidz, Widi Astuti, Dhoni Hartanto, Aulia Septiani Mutia, Purtiah Rantau Sari	Preparation of Activated Carbon from Banana Peel Waste for Reducing Air Pollutant from Motorcycle Muffler
8	ICET4SD2017-176	Wahyu Sulistyawan, Sapta Hadi Kesuma	Characteristic of Ascorbic Acid in Crosslinked Chitosan Edible Film as Drug Delivery System Membrane
9	ICET4SD2017-177	Lucky Wahyu Nuzulia Setyaningsih	Esterification of Glycerol with Acetic Acid to Triacetin using Lewatit as Catalyst
10	ICET4SD2017-179	Ghina Hanum F, Amelia Sri Rezki, ArianyZulkania	Activation Effect on Biochar Prepared from Byproduct of Pyrolysis Sugarcane Bagasse and Rambutan Twig
11	ICET4SD2017-180	Khamdan Cahyari, Muslikhin Hidayat, Siti Syamsiah, Sarto, Mohammad J. Taherzadeh	Thermophilic Fermentative Hydrogen and Methane Production from Fruit Waste: Effect of Fruit Types
12	ICET4SD2017-182	Retno A. S. Lestari, Wahyudi B. Sediawan, Sarto	Sulfide Removal from Liquid using Biofilm on Packed Bed of Salak Fruit Seeds
13	ICET4SD2017-185	Nur Indah Fajar Mukti, Imam Prasetyo, Aswati Mindaryani, Shofwatunnida' Septarini	Preparation of Porous Carbon as Ethylene Adsorbent by Pyrolysis of Extraction Waste Mangosteen Rinds
14	ICET4SD2017-186	Jamilah Abbas, Linar Z. Udin, Zulfah Nurul Fikri, M. Hanafi	Antiproliferative Activity of Natural Coumarins from <i>Calophyllum incrasaptum</i> M.R Henderson With Smith Against Human Breast Cancer Cells MCF-7
15	ICET4SD2017-188	Aspiyanto, Agustine Susilowati, Puspa Dewi Lotulung, Yati	Difference in Membrane Performance on Separation of Folic Acid and its

No	Paper ID	Name	Title
		Maryati	Identification on Dent Corn (Zea Mays Var. Indentata) Hydrolyzed by Rhizopus Oligosporus-C1
16	ICET4SD2017-189	Jamilah Abbas, Lisa, Din Syafrudin	In Vitro Antimalarial Activity of Calophyllum Bicolor and Hemozoin Crystals Observed by Transmission Electron Microscope (TEM)
17	ICET4SD2017-190	Heri Heriyanto, Indar Kustiningsih, Denni Kartika Sari	The Effect of Temperature and Time of Extraction to the Quality of Semi Refined Carrageenan (SRC)
18	ICET4SD2017-194	Lilis Kistriyani, Milla Nadia, Isma Wulansari	Effect of Glycerol for Carrageenan-Pectin Edible Film as Drug Delivery System Membrane
19	ICET4SD2017-197	Bachrun Sutrisno, Arif Hidayat	Pyrolysis of Palm Empty Fruit Bunch: Yields and Analysis of Bio-oil
20	ICET4SD2017-198	Agus Taufiq, Pratikno Hidayat, Arif Hidayat	Modified Coal Fly Ash as Low Cost Adsorbent for Removal Reactive Dyes from Batik Industry
21	ICET4SD2017-212	Eddy Erham, Markus, Ary Surjanto, Jaka Rukmana	Design of a New PID Controller Based on Arduino Uno R3 with Application to Household Refrigerator
22	ICET4SD2017-214	Medilla Kusriyanto, Firdaus, andik Yulianto , Syakban Kurniawan	Early Detection of LPG Gas Leakage Based Wireless Sensor Networking
23	ICET4SD2017-319	Perdana Suteja Putra, Retno Gumilar, Sasmita Rahma Kusuma, Hari Purnomo	Short Term Memory Performance Analysis Influenced by Quran Murattal
24	ICET4SD2017-321	Alex Kisanjani, Hari Purnomo, Angga Haripurna	Designing a Portable Shopping Trolley With a Scooter using the Method of Kansei Engineering
25	ICET4SD2017-326	Sri Indrawati, Mentari Endah Pratiwi, Sunaryo, Abdullah Azzam	The Effectiveness of Single Minute Exchange of Dies for Lean Changeover Process in Printing Industry
26	ICET4SD2017-331	M Iqbal Sabit, Reno Dias Anggara Purba, Joko Sulistio	Evaluation on Performance and SME's Productivity with Discrete System Simulation Approach
27	ICET4SD2017-339	Nadia Zhafira, Perdana Suteja Putra, Fety Ilma Rahmillah, Amarria Dila Sari	Innovative Design of Ironing Table Board Based on Kansei Engineering and Usability Test
28	ICET4SD2017-342	Harwati, Intan Tri Utami	Quantitative Analytical Hierarchy Process to Marketing Store Location Selection
29	ICET4SD2017-343	Putri Citra Marifa, Feny Yuliana andrayani, Anggita Noviyanti Parmasari, Hardiyanti Budiman, Atika Kamalia, Sri Indrawati	Production Waste Analysis using Value Stream Mapping and Waste Assessment Model in A Handwritten Batik Industry
30	ICET4SD2017-353	Amarria Dila Sari, Annisa Rahmadani Anwar, Muhammad Ragil Suryoputro	Work Postural Analysis and Musculoskeletal Injury Risk in Critical Working Station at XYZ Ceramics Yogyakarta
31	ICET4SD2017-356	Zuhdi Allamsyah, Agus Mansur	System Design of Blood Supply Chain Management Based on Supplier Customer Relationship Management (SCRM) Approach

No	Paper ID	Name	Title
32	ICET4SD2017-357	Perdana Suteja Putra, Amarria Dila Sari, and Amirah Shafa Husna	Job Safety and Awareness Analysis of Safety Implementation among Electrical Workers in Airport Service Company
33	ICET4SD2017-359	Sri Indrawati , Kharina Novia Karunia Ningtyas, Alfina Budi Khoirani, Riadho Clara Shinta	Risk Analysis of Warehouse Operation in a Power Plant through a Modified FMEA
34	ICET4SD2017-363	Elisa Kusriani, Citra Indah Asmarawati, Galuh Masita Sari, Anisa Nurjanah, Alex Kisanjani, Sadiq Ardo Wibowo and Indro Prakoso	Warehousing Performance Improvement using Frazelle Model and Per Group Benchmarking: a Case Study in Retail Warehouse in Yogyakarta and Central Java
35	ICET4SD2017-366	Fajar Aga Buana, Amarria Dila Sari, Fety Ilma Rahmillah	Active and Passive Fire Protection System Design in Academic Building KH. Mas Mansyur, Universitas Islam Indonesia
36	ICET4SD2017-368	Qurtubi, Elisa Kusriani	Research in Halal Logistics and Halal Supply Chain: Issue and Area Development
37	ICET4SD2017-370	Muhammad Ridwan andi Purnomo, Manzula Maulida Rahman	Interpolation Model to Estimate the Missing Value (Study Case : Air Ambient Quality in the Special Region of Yogyakarta Province)
38	ICET4SD2017-371	Muhammad Ridwan andi Purnomo, Salvia Fatma Aulia	The Optimization of Materials Procurement on Collaborative Supply Chain by Using Genetic Algorithm to Minimize the Total Cost
39	ICET4SD2017-372	Vembri Noor Helia, Cahya Putra Abdurrahman, Fety Ilma Rahmillah	Customer Satisfaction Analysis in Hospital using Importance Performance Analysis (IPA) and Customer Satisfaction Index (CSI)
40	ICET4SD2017-375	Vembri Noor Helia, Vikha Indira Asri, Elisa Kusriani, Suci Miranda	Modified Technology Acceptance Model for Hospital Information System Evaluation – a Case Study
41	ICET4SD2017-376	M. Abdul Fitriyanto, Atyanti Dyah Prabaswari, Sri Indrawati	Risk Control Analysis of a Furniture Production Activities using Hazard Identification and Risk Assessment Method
42	ICET4SD2017-377	Eko Nurmianto	An Ergonomic Smoke Machine for Indigenous Fishermen in Indonesia
43	ICET4SD2017-378	Yuli Agusti Rochman	Survey of Customer Need and Satisfaction: Preliminary Research of a Modular Product Design Approach for Sheep Cages Design
44	ICET4SD2017-531	Rahmat Riza, Dicky Kurniawan, Arif Budi Wicaksono	A Comparative Pressure Analysis of Air Flow between Horizontal and V-Tail of UAV MALE of NACA0012H with Speed Variation
45	ICET4SD2017-518	Heru Sukanto, Triyono	Experimental Research on Processing of Plastic/Aluminum Packaging Waste into Particleboard Product by in Dies Sintering Method
46	ICET4SD2017-603	Abdul Malik, Fety Ilma Rahmillah, Bayu Dwi Atmaja, Bilal Fatihul Ihsan	The Effect of Microwax Composition on the Staining Quality of Klowong Batik Wax
47	ICET4SD2017-1100	Lutfi Chabib, Wildan Khairi Muhtadi, Muhammad Ikhwan Rizki, Rifazul Aulia Rahman, Arif Hidayat	Potential Medicinal Plants for Improve The Immune System from Borneo Island and the Prospect to be Developed as Nanomedicine

Maps

