

Timetable RCChE 2018

Leveraging the Role of Chemical Engineering in Achieving Sustainable Development Goals through Natural Resource Based Industries

DAY 1: WEDNESDAY, 7 NOVEMBER 2018

07.30	Open registration desk
08.30	Opening Ceremony (Garden Room) Welcoming Remark from Organizing Committee; Official Opening by UGM Rector
09.00	Keynote Speech (Garden Room) Ir. Nugraha Budi Eka Irianto, President Director of Pupuk Kujang
09.30	Plenary Session 1 (Garden Room) Ir. Ricky Hikmawan Wargakusumah, Chairman of BKKPII
10.00	Coffee break
10.30	Plenary Session 2 (Garden Room) Prof. Hirofumi Hinode, Tokyo Institute of Technology, Japan
11.00	Plenary Session 3 (Garden Room) Dr. Worajit Setthapun, Chiang Mai Rajabhat University, Thailand
11.30	Lunch Break
13.00	Technical Session* (Tulip, Magnolia, Dahlia, Carnation Room and The Heritage Place) AUN/SEED-Net Field Management Meeting (Orchid Room)

*Presentation from First Speaker/Invited Speaker: 20 minutes;

*Paper presentation: 12 minutes presentation + 3 minutes Q&A

13.00 - 15.00: TECHNICAL SESSION I

TULIP ROOM (T)		MAGNOLIA ROOM		CARNATION ROOM		DAHLIA ROOM (T)		THE HERITAGE PLACE	
MAT		BIO		SGT		EE		ANSWER	
MAT-08	Modification of Graphene with Different Methods for the Photocatalytic Applications (Prof. Oh Won-Chun)	IS	Prof. Hadiyanto (UNDIP)	IS	Dr. Aretha Aprilia (CDM Smith)	IS	Ir. Rufidi Chandra (Indocement Palimanan)	ANS-07	The Effect of Residence Time on the Product Properties of Pyrolysis Using LDPE Waste (Muhammad Cahyono)
MAT-01	Adsorption of Ethylene Using Cobalt Oxide-Loaded Pillared Clay (Pani Satwikanitya, Imam Prasetyo, Moh Fahrurrozi, Teguh Ariyanto)	BIO-01	Acetobacter Xylinum Sausage Casing from Fermentation Process of Coconut Water Using Batch Reactor (Salafudin, Yulianti Pratama)	SGT-01	Acidic Deep Eutectic Solvent Pretreatment for the Extraction of Reactive Lignin from Oil Palm Empty Fruit Bunch (Yee Tong Tan, Gek Cheng Ngoh, Adeline Seak May Chua)	EE-01	The Effectiveness of pH Adjustment and Controlled Oxygen Injection to Enhance Acidogenic Performance in Two Stage Anaerobic Digestion of Palm Oil Mill Effluent (Sri Damayanti, Sarto, Dian Astiti, Wiratni Budhijanto)	ANS-02	In Campus Municipal Solid Waste Generation and Characterization, Case Study: Universitas Gadjah Mada, Indonesia (Anggung Rahmada, Rochim B Cahyono, Chandra W Purnomo)
MAT-02	Analysis and Characterization of Mesoporous Silica Thin Film by Sol Gel Method Containing Organo Catalyst (Anna Sumardi, Muthia Elma, Ade Paramita)	BIO-02	A Study of Antifungal Activity on Cotton Fabrics Colored by Gambir Natural Dyes (Uncaria gambir) (Edia Rahayuningsih, Felix Arie Setiawan, Ambrosius Aditya, Yosephine I Ayuningtyas)	SGT-02	Green Hydrophobic Coating from Palm Oil Based Waste (Muhammad Fazly Abdul Patah, Mohd Usman Mohd Junaidi)	EE-02	Bio-hydrocarbon Production from Sorbitol: Conversion Sorbitol to Iodohehexane (Rina Krisnayana, Carolus Borrromeus)	ANS-03	Potassium Recovery from Tropical Biomass Ash (Ratu Annisa Amalia, Tjokorde Walmiki Samadhi, Rinda Khairunnisah, Winny Wulandari)
MAT-03	Dispersibility of Multiwall Carbon Nanotube in a Polyanionic Surfactant Based on UV-vis Analysis (Yuyun Irmawati, Indriyanti, RIke Yudianti, Mardiyati, Deni S. Khaerudini)	BIO-03	Evaluation of Gas Mass Transfer in Reactor for Syngas Fermentation (Keryanti, Made Tri Ari Penia Kresnowati, Tjandra Setiadi)	SGT-03	Effect of Amplitude on Ultrasound Treatment for Reducing Sugar Production from Cassava Starch (Bramantyo Airlangga, Dwi Erlangga, Laila K M Solikhah, Febriyati Puspasari, Ignatius Gunardi, Prida Novita, Sumarno)	EE-03	Biosorption of Ni(II) Ions from Aqueous Solution Using Immobilized Cells of Bacillus Cerreus (Khairunnisa, Sri Juliastuti)	ANS-04	Pyrolysis of Instant Noodle Wrap Plastic Waste with Mount Merapi Ash as Alternative Catalyst (Damar Prianto, Yebi Yuriandala, Hijrah Putra)

MAT-04	Effect of SiO ₂ on Properties of Morphology-Modified Ti-6Al-4V as Dental Implant Materials Prepared by One-Step Anodization Process (Khalil Gibran, Muh. Ibadurrohman, Slamet)	BIO-04	Evaluation of Inoculum Source and Saponification Pre-Treatment in Anaerobic Digestion of Dissolved Air Flotation Waste from Dairy Industry (Rifki Kurnianto, Wiratni Budhijanto, Rochim B Cahyono)	SGT-04	Extract of Centella Asiatica Leaves as a Biomordant in Cotton Dyed with Natural Dye Bixa Orellana (Renung Reningtyas, Mahreni, Ruli Aji Pambudi, Fitria Indah Sugiarti)	EE-04	Conversion of Paper Waste to Bioethanol Using Selected Enzyme Combination (Cellulase and Cellobiose) Through Simultaneous Saccharification and Fermentation (Muh Arif Darmawan, Yulis Aswar Hermawan, Misri Gozan)	ANS-05	Struvite Precipitation Using Continuous Flow Reactor (Sreyvich Sieng, Chandra W Purnomo, Himawan TBM Petrus)
MAT-05	Effect of Various Acid Treatments for Oxygen Functionalization of Carbon Nanotubes (Haryo Oktaviano, Dini Pratama)	BIO-05	Evaluation of Surfactant Addition to Enzymatic Hydrolysis of Oil Palm Empty Fruit Bunch (OPEFB) (Andi A I S Yusuf, Made Tri Ari Penia)	SGT-05	Synthesis of Eco-Friendly Liquid Detergent from Waste Cooking Oil and ZnO Nanoparticle (Gian Djohan Junior)	EE-05	Copper Phytoremediation Using Philippine Tropical Bamboos (Jennivee Chua, Jessa Marie Banua, Ivan Arcilla, Lawrence Belo)	ANS-06	Techno-economic Analysis of Organic Rankine Cycle Fueled Biomass Waste from Palm Oil Mill (Taufiq Nur, Adi Setiawan, Bagus G Yudanto, Safrul Ependi)
MAT-06	Effects of Structural on Oxidation Time in Graphene Oxide prepared by Tour Method (Nurul Akhmar, Suriani Ibrahim, Shaifulazuar Rozali, Amalina Mohd Afifi, Mohd Nasrul Mohd Zubir)	BIO-06	Kinetic Study of Fish Decay Inhibition by Application of Nanochitosan as Preservative Agent (Siti Fauziah, Prihati Nugraheni, Budhijanto, Wiratni Budhijanto)	SGT-06	Synthetic Bioplastics from Cassava Skin Using the Nata Method and the Addition of Plasticizers (Lisa Adhani, Muh Sofyan, E Kustiyah)	EE-06	Crude Palm Oil (CPO) Based Biodiesel Production by Using K-Silica Heterogeneous Catalyst in Transesterification Reaction: The Effect of Catalyst Type and Amount (Renita Manurung, R ZUHri, Halimahtussa'diah Siregar)	ANS-01	Effect of Waste Natural Rubber Latex and Eggshell Powder as Reinforcing Filler on Concrete Manufactured (Hamidah Harahap, H Nasution, D Haryanto, J Wijaya)
				SGT-07	The Utilization of Biomass Waste from Coconut Fiber to Produce Rich Aromatic Bio-Oil Through Catalytic Pyrolysis with Impregnated Nickel and Zinc Catalysts (Setiadi, Joshua Karubaba)			ANS-08	Waste Sorting Campaign Toward Green Campus: Case Study in Politeknik Negeri Batam (Nurul Arifin, Hanifah Widiastuti, Mutiarani)

15.00 - 15.30 : COFFEE BREAK

15.30 - 17.15: TECHNICAL SESSION II

TULIP ROOM (T)		MAGNOLIA ROOM		CARNATION ROOM		DAHLIA ROOM (T)		THE HERITAGE PLACE
MAT		REC		FOB		ONP		ANSWER
MAT-07	Hydrogen Storage using Metal Oxide Loaded in Polymer-Derived Carbon (Guta Prawiaswarra, Imam Prasetyo, Teguh Ariyanto)	REC-03	5A Zeolite Supported Nickel Catalysts for Methane Synthesis (Gittaya Saranyachote, Wipalak Wongkum, Kittisak Nunthananutthakul, Suchit Wongboonsin, Soipatta Soisuwan)	FOB-01	Adsorption of Gold and Platinum from Aqueous Systems Using Microbial Thermophilic Proteins (Laksmi Kasmiarno)	IS	Dr. Megawati (UNNES)	<p>Focus Group Discussion:</p> <ul style="list-style-type: none"> • Ir. Rani Sjamsinarsi (Tim Percepatan Pelaksanaan Program Prioritas Pembangunan DIY 2) • Dr. Prabang Setyono, S.Si., M.Si. (Universitas Sebelas Maret/UNS) • Dr. Eng. Mochamad Syamsiro, S.T., M.T. (Universitas Janabadra) • Tenno Sujarwanto BA, BM (Presiden Direktur PT. Nusa Wijaya Abadi) • Dr. Aretha Aprilia (Energy Specialist in CDM Smith) • Ir. Rufidi Chandra, MK3 (Mining Department Head, PT. Indocement Tunggal Prakarsa Unit Palimanan)
MAT-09	Multi-Stage Dealumination for Characteristic Engineering of Mordenite-Clinoptilolite Natural Zeolite (Satriyo Wahono, Dwi Joko Prasetyo, Tri Hadi Jatmiko, Diah Pratiwi, Hernawan, Andri Suwanto, Krasimir Vasilev)	REC-04	Catalytic Hydrodeoxygenation of Palm Oil into Green Diesel over Activated and Phase Transformed Indonesian Natural Zeolite (Witri Wahyu Lestari, Riandy Putra, Bambang Susanto)	FOB-02	Calcium Soap from Palm Fatty Acid Distillate for Ruminant Feed: Analysis of Antioxidant (Lienda Handoyo, Antonius Indarto, Dian Shofinita, M Saadi, Dea Yulistia, Fathinah Hasyiyati)	ONP-01	Comparative Study of Nyamplung (Callophyllum Inophyllum) Oil Recovered by Mechanical and Chemical Extraction for Biofuel Production (Hanifah Wldiastuti, Tirto Prakoso)	
MAT-10	Nano ZnO/TiO ₂ Photo-Catalyst as an Anti-Ultra Violet Agent on Indigofera Tinctoria Colored Cotton Fabric (Zulaikha Sani, Edia Rahayuningsih, Aswati Mindaryani)	REC-05	Copper-based Catalysts Modified by HZSM5 Zeolite for Dimethyl Ether Synthesis (Soipatta Soisuwan, W Prachumsai, S Pangtaisong, S Assabumrungrat, P Bunruam, C Nakvachiratratku, D Saebea)	FOB-03	Chitosan Active Films Containing Red Ginger Extract for Shelf-life Extension and Quality Retention of Milkfish (Chanos Chanos) (Anton Irawan, Dhena R Barleany, Jayanudin, Meri Yulvianti, Rifko Maulana, Lisa Fitriani)	ONP-02	Improving UV Protection of Cotton Dyed with Peristrophe Bivalvis Extract (Rachma Evitasari, Edia Rahayuningsih)	
MAT-11	Photo-Catalytic of Nano ZnO/TiO ₂ as a UV-Absorber Agent on Gambir Colored Cotton Fabric (Anggie Asoka, Edia Rahayuningsih, Sang Kompiang W)	REC-10	Kinetic modeling of of Glycerol Carbonate Synthesis from Glycerol and Urea Using Amberlyst-15 Catalyst (Muh. M Azis, Hary Sulistyoy)	FOB-04	Comparison of Formulation Methods to Produce Nano-chitosan as Bacterial Growth Inhibitor Agent (Prihati Nugraheni, Wiratni Budhijanto, Ustadi, Wahyudi B Sediawan)	ONP-03	Isomerization of Turpentine Using Various Heterogeneous and Homogeneous Acid Catalysts (Ilham Ardiyanto, Muh M Azis, Tatang Hermas, Antonius Indarto)	

MAT-12	Preliminary Study of the Use of Low Temperature-Supercritical Water Activation in the Synthesis of Activated Carbon from Salacca Peel (Ratna F Susanti, Angwyn Utomo, Arenst Arie, Hans Kristianto)	REC-13	Performance of Ion Exchange Resin as Solid Catalyst for the Esterification of Oleic Acid with Glycerol (Nur Indah Mukti, Diana Diana)	FOB-05	Edible Coating from Chitosan and Lycopene Isolated from Watermelon as a Solution to Extend Fruit and Vegetables Storage Time from After Harvest Damage (Puteri Khalida, Elsanty Afifah, Tria Novita)	ONP-05	Synthesis of Methyl Ester from Kemiri Sunan Oil with Heterogenous Catalyst (Athiek Redjeki)
MAT-13	Preparation of Magnetic Nanoparticle from Local Iron Sand as a Potential for Cancer Treatment (Nur R E Putri, Salsabila I Firadusi, Mazaya Najmina, Yuni Kusumastuti, Himawan TBM Petrus, Shinta Amelia)	REC-14	Study on Fenton Reaction for Degradation of Procion Red Synthetic Dyes (Tuty Agustina, Ria Rismawati, Yolanda Patika)	FOB-06	Effect of Fermentation Time and Cultivation Addition on Quality of MOCAF (Modified Cassava Flour) from Bitter Cassava (Manihot Glaziovii) (Istiqomah Amalia, Setiyo Gunawan, Arum Seruni, Ira Dwitarsari)	ONP-06	The Use of Soft Computing Approaches for Extraction of Vetiver Oil Using Solvent-Free Microwave Extraction (Heri Kusuma, Ali Altway, Mahfud Mahfud)
		REC-15	Synthesis and Characterization of K-Silica Catalyst Based Bamboo-Leaves for Transesterification Reaction (Renita Manurung, Halima Siregar, Ruri Rizki S Zuhri)				

18.00 – 20.00 : GALA DINNER (Garden Room)

DAY 2: THURSDAY, 8 NOVEMBER 2018
08.00 - 10.00 : TECHNICAL SESSION III

TULIP ROOM (T)		MAGNOLIA ROOM		CARNATION ROOM		DAHLIA ROOM (T)		ORCHID ROOM	
MAT		BIO		REC		EE		FOB	
MAT-14	Recovery and Characterization of Naturally Occurring Silicon Dioxide from Corn Waste (Ayu Dahliyanti, Catia Angli Curie, Ika D Widharyanti)	BIO-07	Performance of Continuous Fixed Bed Reactor with Pumice Stones as Retarding Medium to Produce Ethanol (Salafudin, Ronny Kurniawan)	REC-01	Analysis Method of Black Liquor Droplet Pyrolysis and Gasification Using Deconvolution Technique to Obtain the Real Time Gas Production Data (Joko Wintoko, Suryo Purwono, Moh Fahrurrozi)	EE-07	Development of Ultralow Interfacial Tensions Lignosulfonate from Kraft Black Liquor for Enhanced Oil Recovery (Muh M Azis, Fergie Febrina, Suryo Purwono, Rochmadi, galuh Darmawati, Desi Fenyka)	FOB-07	Effect of Transglutaminase Addition on Conductivity and Functional Properties of Yogurt (Jihan Ramdhani, Setiadi)
MAT-15	Synthesis and Performance Test of Nanofluid Detergents from Palm-Oil Based Primary Alkyl Sulfates Surfactant and Zinc Oxide (Muh T Adiwibowo, Slamet)	BIO-09	PRODUCTION OF LIPASE ENZYME FROM Rhizopus Oryzae BY SOLID STATE FERMENTATION AND SUBMERGED FERMENTATION USING WHEAT BRAN AS SUBSTRATE (Moh Iqbal Andikoputro, Heri Hermansyah, Afrah Alatas)	REC-02	Biodiesel Production Using Heterogeneous Catalyst Based on Volcanic Ash of Mount Sinabung (Taslim, Okta Bani, Iriany, Susi Lestari, Leonardo Ginting)	EE-08	Fluoride Removal from Wastewater Using Activated Clay: A Study Kinetics and Isotherm Adsorption (Zainal Mustakim, Sarto, Agus Prasetya)	FOB-08	Effectiveness of Chitosan-Tripolyphosphate Nanoparticle Dispersion in Ice for Tilapia Fish (Oreochromis Niloticus) Preservation (Natali G Abhirama, Prihati Nugraheni, Wiratni Budhijanto)
MAT-16	Synthesis of Dry-Mix of Fly Ash Based Geopolymer (Rais, Fatikhin, Indra Perdana, Rochim B Cahyono, Himawan TBM Petrus)	BIO-10	Reutealis Trisperma Press Cake Induced Production of Xylanase by Trichoderma reesei: Effect of C/N Ratio and Initial pH (Lieke Riadi, Yuana Agustin, Titie Utami)	REC-06	Dehydration of Methanol to Dimethyl Ether (DME): Performance of Three Types of Catalyst at Atmospheric Pressure (Aisyah Ardi, Herri Susanto)	EE-09	High Efficiency Degradation of Tetracycline Antibiotic with TiO ₂ -SiO ₂ photocatalyst under Low Visible Light Irradiation (Thi-Ngoc-Bich Duong, Minh-Vien Le, Manh-Thang Ngo)	FOB-09	Evaluation of Fresh Cow Dung as Co-substrate to Improve Biogas Productivity in Anaerobic Digestion of Dairy Waste (Anis Nabilah Mohd Noor, Muh Roil Bilad, Wiratni Budhijanto)
MAT-17	Synthesis of Nanoporous Carbon from Mangosteen Peel Lignin Extracted by Using Organosolv and Soda Processes	BIO-11	Size, Entrapment Efficiency and Stability of Curcumin Niosomes Prepared at Different pH Conditions	REC-07	Efficient Removal of HPAM in Polymer Flooding Produced Water using Photocatalytic Graphitic Carbon Nitride Nanofibers	EE-10	Hydrochemical Characteristics of Brine and Salt at PT Garam and Traditional Maduranese Ponds	FOB-10	Extraction and Characterization of Semi Refined Carrageenan of Red Algae Originated from Lontar Beach Indonesia

	(Puspita Permatasari, Teguh Ariyanto, Imam Prestyo)		(Masrina Mohd Nadzir, Siti Farhana Hisham, Saravanan R Kalidas)		(Nur Haslimah Alias, Juhana Jaafar, Sadaki Samitsu, AF Ismail, NH Othman, TAT Mohamad, N Yusof, NFAN Azmi)		(Rachmad Sidik, Kuswandi, Achmad Roesyadi)		(Indar Kustiningsih, Heri Heriyanto, Retno Lestari, Denni Sari)
MAT-18	The Effect of Water Addition in Inclusion Formation of Ketoprofen/ β -cyclodextrin Using Supercritical CO ₂ (Prida Trisanti, Sumarno)	BIO-12	Study Controlled Release, Toxicity Test, and Pesticide Test of Microcapsule Eugenol with Casein Micelle (Diah Kartika Pratami, Anondho Wijanarko, Heri Hermansyah, Yeshinta Putri)	REC-08	Engineering Cascade Biotransformation to Produce Enantiopure Fine Chemicals from Styrene (Benedict Ryan Lukito, Shuke Wu, Yi Zhou, and Zhi Li)	EE-11	Improvement of Energy Efficiency and CO ₂ Reduction by Replacement of Air Lift Blower into Belt Bucket Elevator in the Cement Industry (Rochim B Cahyono, Wiratni Budhijanto, Triyono)	FOB-11	Modelling of Phytochemical Compound Mass Transfer from the Kernel of Sorghum to the External Solvent in Batch Extraction (Devi Susanti, Wahyudi B Sediawan, Moh Fahrurrozi, Muslikhin Hidayat)
MAT-19	The Oriented Attachment Model Applied on Crystal Growth of Hydrothermal Derived Magnetite Nanoparticles (Ahmad Fadli, Amum Amri, Iwantoro, Arisman Adnan, Sukoco, Mayan Sari)	BIO-13	Surface Modification of Crosslinked Chitosan Film with Malaeic Anhydride for Drug Delivery Systems (Yuni Kusumastuti, Daniel Timotius, Nur Putri, Shinta Amelia, Suprihastuti Rahayu)	REC-09	Improvement of Reaction Rate of Non-Enzymatic Solvent-Free Esterification Process in A Miniaturized Intensified Reactor (MIR) (Nurhazwani Y Azudin, Sathiswaran Sangaran, Syamsul R Abd Shukor)	EE-12	Increased Energy Content of Rice Husk Through Torrefaction to Produce Quality Solid Fuel (Anton Irawan, Dhimas Satria, Hafid Alwan, Faqih Saepurohman, Asep Kurniawan)	FOB-12	Nixtamalization Application as A Quality Improvement of Corn Flour (Nanti Musita, Siti Nurdjanah, Devi Oktiani)
MAT-20	Solubility of Sodium Silicates as Solid Base Catalyst in Methanol (Indra Perdana, Agnes Martha Lisa Dolok Saribu, I Made Bendiyasa)	BIO-14	Surface Modification of Crosslinked Chitosan Film with Malaeic Anhydride for Drug Delivery Systems (Tram Nguyen, Nguyen Huynh Uyen)	REC-11	Levulinic Acid Synthesis from Indonesian Sugarcane Bagasse Using Two-step Acid Catalyzed Treatment (Yano S Pradana, Muh S Pradipta, Novrisca Purnamasari)	EE-13	Non-isothermal Kinetics Analysis of Various Indonesian Coal Thermal Characteristics for Underground Coal Gasification Purposes (Aghiastyas Zahra, W Wulandari, D Sasongko, J Rizkiana, K Anggayana, A Widayat, M Azhari)	FOB-13	Studies of Meat Characteristic and Organoleptic Analysis of Local Duck Prepared from Restructuring Method Using Transglutaminase Enzyme (Setiadi, Wawan Sah)
		BIO-15	Synthesis and Characterization of Calcite Nano-particle for Dental Hypersensitivity Treatment (Olvy Dwi Pangesti, Adelia Puspitasari, Ketut Sumada, Sri Muljani)	REC-12	Modeling of the Drying Rate of Concentrated Black Liquor in Combustion or Gasification Process (Joko Wintoko, Suryo Purwono, Moh Fahrurrozi)	EE-14	Optimal Sizing Scenario of Hybrid Wind-PV Energy in Coastal Road Balikpapan (Muh Rizki Kresnawan, Ahmad A Setiawan, Wahyu Wilopo)	FOB-14	Synthesis of Phosphorylated Sugar Palm (Aren) Starch Using Low Level Sodium Tripolyphosphate (STPP) (Asaf Sugih, Jordi Loanda, Susiana Prasetyo)

10.00 - 10.30 : COFFEE BREAK
10.30 - 12.15 : TECHNICAL SESSION IV

TULIP ROOM (T)		MAGNOLIA ROOM		CARNATION ROOM		DAHLIA ROOM (T)		ORCHID ROOM	
TRP & PDC		MIX		MIX		EE		MIX	
TRP-01	Evaluation of the Effect of Operating Parameters on the Performance of Orifice/Porous Pipe Type Micro Bubble Generator (Benny Pambudiarto, Aswati Mindaryani, Deendarlianto, Wiratni Budhijanto)	FOB-16	Total Phenolic Content and Antioxidant Activity of Spray-Dried Microcapsules Propolis from Tetragonula Species (Diah K Pratami, Heri Hermansyah, Misri Gozan, Muh Sahlan)	FOB-15	The Influence of Transglutaminase Enzyme Dosage on the Mixture of Soy Protein Powder and Texturized Soy Protein (TSP) into Analog Nutritional Vegetable Meat (Setiadi, Nadia Alisha)	EE-15	Performace of Anaerobic Reactor with Media Support and Ni Addition for Palm Oil Mill Effluent Treatment (Silwina Bayonita, Chandra W Purnomo, Rochim B Cahyono)	THE-01	Study of Solidification Process NPK Fertilizer for Prilling Tower Design (Ferlin Fachlevie, Muslikhin Hidayat, Wahyudi B Sediawan)
TRP-02	Mathematical Modelling and Simulation of Hydrotropic Delignification (Indah Hartati, Wahyudi B Sediawan, Hary Sulisty, Muh M Azis, Moh Fahrurrozi)	POT-03	Fabrication and Characterization of Polymer Optical Fiber Cladding Layer by In-Situ Polymerization (Mohd S Moslan)	SEP-01	Design of Spray Distillation Apparatus for Ethanol Purification (Mila Sari, Irvan Kartawiria)	EE-16	Reduction of Iron (II) in Synthetic Acidic Wastewater Containing Ferro Sulphate Using Calcium Carbide as an Adsorbent (Muh Arief Karim, Subriyer Nasir, Susila Rachman, Novia Novia)	OGP-02	Effect of Polyol Ester on Friction and Filtration Properties of Synthetic-Based Drilling Fluid (Dina Kania, Yunus Robiah, Suraya Abdul Rashid, Rozita Omar, Badrul Mohamed Jan)
TRP-03	Quantitative Analysis of Interfacial Area on Liquid-liquid Multiphase Flow of Transesterification Process in Cross-junction Microchannel Reactor (Afiq Mohd Laziz, Ku Zilati Ku Shaari, Nor Hisham B Hamid)	POT-04	Modification of Polyethylene Oxide-Polyethylene Glycol Dimethacrylate Hydrogel Film by Addition of Jatropha Multifida Sap for Wound Dressing Application (Haryanto)	SEP-02	Extraction of Co and Ni Metals Using Emulsion Liquid Membrane and Liquid-Liquid Extraction with Cyanex 272 as Extractant (Silvia, Yuliusman, Annisaa Nurqomariah, Radifan Fajaryanto)	EE-17	Steam Gasification of Pelletized Hydrothermally Pre-Treated of Empty Fruit Bunch (Herri Susanto, Yusuf Ahda)	OGP-03	Processing of Ozonized Biodiesel Waste to Produce Biosurfactant Using Pseudomonas Aeruginosa for Enhanced Oil Recovery (Cut Nanda Sari, Misri Gozan)

PDC-01	A Model-Based pH Control of a Carbon Dioxide Bubble Column Reactor (Chanin Panjarpompot, Pawat Saksomboon)	PDC-04	Optimization Study on the CO ₂ and H ₂ S Removal in Natural Gas Using Primary, Secondary, Tertiary and Mixed Amine (Zainal Ahmad, Nuradia Kadir, Alireza Bahadori, Jie Zhang)	SEP-03	Interfacially Polymerized Polyamide Thin Film Composite Nanofiltration Membrane for Arsenic Removal (Xuan Minh Pham, Tran Le Hai, Huynh Ky Phuong Ha, Mai Thanh Phong)	EE-18	Study of Gravity Thickener as Sludge Separator in Fermentation of Palm Oil Mill Effluent to Biogas at Pilot Scale (Irvan Irvan, Bambang Trisakti)	OGP-04	Pyrolysis of Lignocellulosic Biomass for Bio Crude-Oil Production and Its Upgrading Processes: A Mini Review (Ratri Irawanti, Megawati Zunati, Petric Marc Ruya)
PDC-02	Design and Optimization of Pressure-Swing Distillation with Heat-Integration for Separating THF-Water Mixture (Herry Santoso, Jofiandy N. Christanto)	EE-22	The Effect of Ultrasound for Impurities Removal on Spent Catalyst from Naphtha Hydroteater (NHT) Processing Unit (Sumarno, Thariq Firmansyah, Ummu Dzawilhijjah, Prida Trisanti)	SEP-04	Separation of Microparticles Along Radial Axis of Cylindrical Tube Using Low and High-Frequency Acoustic Wave (Yannapol Sriphutkiat, Yufeng Zhou)	EE-19	Study on Comparative Methods for Treatment of Wastewater from Pulp Industry (Hnin Yu Khaing, Khaing Zin Win, Tint Tint Kywe)	PDC-03	Heat Integration Evaluation and Design Using Pinch Technology in a Molasses-Based Bioethanol Plant (Monica Fitri Ramadhan, Juwari Sutikno, Renanto Handogo, Muh Khoirur Rofiq)
PDC-05	Selective Combination of Multiple Neural Networks Using Modified Bayesian Combination Predictor for Air Pollution Index Prediction at Perak State Malaysia (Zainal Ahmad, Nazira Anisa Rahim, Alireza Bahadori, Jie Zhang)	POT-01	Effect of Lauryl Alcohol Addition on Mechanical Properties of Silica-Filled Natural Rubber Compounds (Indra Surya, Johan Anto)	SEP-05	The Effect of the Molecular Sieve Position on the Efficiency of Solar-Molecular Sieve Combination Dryer (Said Hanief, Rosdanelli Hasibuan, Yunal Pane)	EE-21	The Effect of Packing Media and Trace Metal Addition on Biogas Production from Rubber Industrial Wastewater (Marisah Mawaddah, Chandra W Purnomo, Ahmad Tawfiequrrahman)	EE-20	Techno-Economic Analysis of Natural Gas-Fired Microgrid for Electricity, Fresh Water, and Cold Storage in Rural Area (Muh Raifan Fuad, Widodo W Purwanto)
		POT-02	Effects of Epoxidised Natural Rubbers on Cure Characteristics and Crosslink Density of Silica-Filled Natural Rubber Composites (Indra Surya, Siswarni MZ, Marpongahtun)						

12.15 - 13.30: LUNCH BREAK

13.30 - 14.00 : AUN/SEED-Net Sharing Session (Garden Room)

14.00 - 14.30 : CLOSING AND AWARD CEREMONY (Garden Room)



The 11th Regional Conference on Chemical Engineering 2018 (RCChE 2018)
Yogyakarta, November 7-8, 2018

