



INDONESIA MALAYSIA RESEARCH CONSORTIUM SEMINAR 2018 (IMRCS 2018)

Notification of Acceptance Letter

On behalf on the committee's members of Indonesia Malaysia Research Consortium Seminar 2018 (IMRCS 2018), we are delighted to announce list of accepted papers for oral presentation at the IMRCS 2018 at Surabaya, on 21-22 November 2018.

After reviewing the accepted papers by the committee's members of IMRCS 2018, the selected paper will be published in ones of the following publisher:

1. Journal of Technology, <http://jt.ntust.edu.tw/index.php/jot> (Scopus Indexed Journal)
2. Malaysian Journal of Fundamental and Applied Sciences, <https://mjfas.utm.my/index.php/mjfas> (Thomson Reuters Indexed Journal)
3. IOP Conference Series: Materials Science and Engineering, <http://conferenceseries.iop.org/content/home> (Scopus Indexed Proceeding)

The authors should be committed to follow and fulfill the review process relevant to journal template. Please be informed in advanced, heedless of full paper preparation will cause manuscript rejection.

Regarding early bird registration, please do the registration payment no later than 22 October 2018 and please indicate the full name of the participant(s) at the back of the deposit slip or check and send the scanned front and back pages of the deposit slip or check to imrcs@its.ac.id on or before 7 November 2018.

If you have any question, please do not hesitate to drop in your question to our email (imrcs@its.ac.id). We will try our best answering your questions.

See you soon at Surabaya

Yours Sincerely,



INDONESIA MALAYSIA
RESEARCH CONSORTIUM SEMINAR
2018
Djoko Hartanto

Chair of IMRCS 2018 Organizing Committee

List Of Accepted Papers For Oral Presentation at the IMRCS 2018

No	Paper ID	Authors	Title
1	IM-E-01	Wahyu Diono	Lipid Recovery from Wet <i>Desmodesmus</i> sp for Biofuel Production by Liquefied Dimethyl ether
2	IM-T-01	Asyari Daryus, Ahmad Indra Siswantara, Budiarmo Budiarmo, Gun Gun Ramdhan Gunadi and Hariyotejo Pujowidodo	Turbulent Parameter Analysis of Two Different Turbulence Models in CFD Simulation of Two-Dimensional Gas-Solid Fluidized Bed
3	IM-E-02	Aryoseno ¹ and Ervina Ahyudanari ²	Criteria Analysis in Selection Method of Mud Pumping in Coal Mining Project
4	IM-T-02	Yan-Wei Wu	Fatigue Calculation of Offshore Jacket Structure For Monitoring
5	IM-E-03	Mohammad Berel Toriki, Bambang Lelono Widjiantoro and Arief Abdurrahman	Design of Output Power Control System Based on Mass Flowrate Comparison of Air and Fuel Ratio (AFR) on Dual Fuel Generator Set by using PID Control Method
6	IM-E-04	Setiyo Gunawan, Hakun Wirawasista Aparamarta, Arief Prayogo and Shelma Hajar Anugrah Putri	Separation and Purification of Triglyceride from Nyamplung (<i>Callophyllum inophyllum</i>) Seed Oil as Biodiesel Feedstock by Using Continuous Countercurrent Extraction
7	IM-M-01	Rahizana Mohd Ibrahim and Masturah Markom	Physical and optical Characterization of Mn-Doped ZnS Nanoparticles Prepared via Reverse Micelle Method Assisted by Compressed Co ₂
8	IM-T-03	Siti Machmudah, Sugeng Winardi, W Wahyudiono, Motonobu Goto and Hideki Kanda	Water Removal from Wood Biomass by Liquefied Dimethyl Ether for Enhancing Heating Value
9	IM-M-02	Yatim Ni'Mah and Vennycha Ameswari	Determination of Shelf Life and Proximate Analysis of Orummy Beverage Produced by Micro, Small and Medium Enterprise INOKAM in Dolly Distric
10	IM-E-05	Himsar Ambarita	Experimental study on diesel engine coupled with a catalytic converter run on dual-fuel mode using biogas produced from agricultural waste
11	IM-T-04	Steven Chandra, Willy Dharmawan, Famelia Nurlaela, Muhammad Agus Syahputra and Sudjati Rachmat	Hydraulic Fracturing as A Solution for Encouraging Economically Viable Development of Geothermal Energy in Indonesia's Gross Split System
12	IM-E-06	Hendro Juwono, Krisna Nugroho, Riza Alfian, Ahmad Amrullah, Arifah Nurfitriyah and Fredy Kurniawan	Alternative Biofuel from Polypropylene Plastic Wastes with Co-Reactant Waste Cooking Oil and its Characteristic Performance

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No	Paper ID	Authors	Title
13	IM-E-07	Ahmad Anwarud Dawam, Djarot Sugiarto, Yuly Kusumawati, Mardi Santoso, Suprpto Suprpto, Eko Santoso, Ratna Ediati, Didik Prasetyoko and Muryani Muryani	Production, separation, and fuel properties of liquid fuel from plastic waste using simple pyrolysis reactor connected fractional distillation
14	IM-T-05	Adim Firmansah, Aripriharta Mr., Nandang Mufti, Arif Nur Affandi and Ilham Ari Elbaith Zaeni	Self-powered IoT Based Vibration Monitoring of Induction Motor for Diagnostic and Prediction for Failure
15	IM-T-06	Kusmayanto Hadi Wibowo, Aripriharta Mr., Markus Diantoro, Slamet Wibawanto, Kartika Candra Kirana, Fitrah Wicaksono Yunianto Saputro and M Nuzulul Chanif	IoT-based Control and Monitoring for DC Motor Fed by Photovoltaic System
16	IM-M-03	Noor Syazwanie Rusmi, Nik Hafiy Hafizi Nik Rahimy, Muhammad Nur Nazmi Abd Rashid and Kiki Adi Kurnia	Multilinear Modelling of Hydrogen Sulfide Solubility in Aqueous Alkanolamine
17	IM-T-07	Sutomo, Wahidin Nuriana, Sutrisno and Joko Triono	Effect of Vacuum Level on Heating Speed on Ethanol Distillation Process Using Coaxial Vacuum Tube Solar Collector
18	IM-E-08	Mustafa Kamal, Sudarno and Wahyudi	Variation Analysis Of Collector Shift Time Period On Solar Water Heater Efficiency
19	IM-M-04	Muhammad Nur Nazmi Abd Rashid, Noor Syazwanie Rusmi, Nik Hafiy Hafizi Nik Rahimy and Dr Kiki Adi Kurnia	Modelling of CO ₂ Solubility in Binary Mixture of Alkanolamine and Ionic Liquid
20	IM-T-08	Rickson Mauricio and Abdul Wahid Surhim	Control of Gas Dehydration Unit Using Multivariable Model Predictive Control (MMPC) to Obtain More Optimal Control Performance
21	IM-E-09	Wahidin Nuriana, Agus Suryanto and Mustafa Kamal	Calorific Value Analysis, Reduction of Period Weight, Reaction Rate, Activation Energy of Old Coconut, Young Coconut Waste Briquette Burning, Cocoa
22	IM-E-10	Asgar Alie and Purwadi Agus Darwito	Improvement of Engine Oil Lifetime by Using Additional Filter A Case Study in PT. Vale Sorowako
23	IM-T-09	Nanthinie Thangarajoo, Pranesh Matheswaren, Kiki Adi Kurnia and Khairiraihanna Johari	Development of Group Contribution Model to Predict Activity Coefficient of Alcohol at Infinite Dilution in Ionic Liquids

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No	Paper ID	Authors	Title
24	IM-T-10	Bambang Sudarmanta, Dhesa Hidayatulloh, Depi Rustam Ependi, Arif Rahman Saleh, Atok Setiyawan and Ary Bachtiar Krishna Putra	Numerical Study of the Effect of Oxidation Zone Inlet Air Temperature Variation on Municipal Solid Waste Pellet Gasification Process on Downdraft Type Reactor Characteristics
25	IM-E-11	Dori Yuvenda, Bambang Sudarmanta and Arif Wahyudi	Characterization of Engine Performance, Combustion Process and Emission of Diesel/CNG Dual Fuel Engines with Pilot Injection Timing Variation at Low Load
26	IM-M-05	Nik Hafiy Hafizi Bin Rahimy, Noor Syazwanie Rusmi and Muhammad Nur Nazmi Abd Rashid	Prediction Solubility of H ₂ S in Ionic Liquid by using Group Contribution Method
27	IM-M-06	Devita Rachmat and Doty Risanti	Study on The Structural Evolution of SiO ₂ Extracted from Sidoarjo Mud
28	IM-T-11	Bambang Sudarmanta, Atok Setiyawan, Ari Bachtiar Krisna Putra and Dori Yuvenda	Effects of Advancing the Pilot Injection Timing on The Engine Performance, Combustion and Emissions on Diesel dual fuel Engines at High Load
29	IM-E-12	Madi Madi, Muhammad Ermando Nurman Sasono, Yoyok Setyo Hadiwidodo and Septia Hardy Sujatanti	Application of Savonius Turbine Behind The Propeller as Energy Source of Fishing Vessel in Indonesia
30	IM-T-12	Dian Purnamasari, I Ketut Aria Pria Utama and I Ketut Suastika	Verification and validation study of the resistance model of tanker 17.500 DWT
31	IM-M-07	Subandrio Soemali, Wiwik Dahani, Muhammad Alghifari, Taat Tri Purwiyono and Djoko Hartanto	Enrichment Chromite Sand Grade Using Magnetic Separator
32	IM-E-13	Bagus Catur Pamungkas and Harsono Hadi	Potential of Biomass Utilization in Rotary Kiln of Nickel Processing Plant
33	IM-E-14	Semin, Muhammad Badrus Zaman, Aa, Nilam Sari Octaviani and Rosli Abu Bakar	Investigation of intake valve lift effect on air-fuel mixing of CNG-diesel engine based on CFD simulation
34	IM-M-08	I Made Londen Batan	Tricycle for Physical Therapy for Stroke Patients
35	IM-T-13	Gema Setyawan, Umar, Adi Soeprijanto and Ontoseno Penangsang	Symbiotic Organism Search for Sizing and Optimal Location of Distributed Generation Using Novel Sensitivity Factor

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No	Paper ID	Authors	Title
36	IM-15	Thariq Arafatul Akbar, A. A. B. Dinariyana, Alam Baheramasyah, Fadilla Indrayuni Prastyasari and Putri Dyah Setyorini	Risk Assessment on Liquefied Petroleum Gases (LPG) Handling Facility, Case Study: Terminal LPG Semarang
37	IM-E-16	Wiwiek Hendrowati, Harus Laksana Guntur and Aida Annisa Amin Daman	Energy Harvesting and Vibration Reduction Analysis on Cantilever Piezoelectric Double Vibration Absorber (CPDVA) Mechanism
38	IM-T-14	Feby Muqtadiroh, Anisah Herdiyanti, Indra Wicaksono and Tsuyoshi Usagawa ^{2*}	Analysis of Factors Affecting Continuance Intention of E-Learning Adoption in Lecturers' Perspectives
39	IM-E-17	Erwandi Erwandi, Daif Rahuna and Cahyadi S.J. Mintarso	The Development of the IHL Wave-Current Turbine to Convert the Ocean Energy from Both Wave and Current
40	IM-T-15	Dicky Satriananda, Sutopo Fitri and Taufik Nugroho	Vapour Absorption Chiller System on Frigate Using the Main Engine Exhaust Gas
41	IM-T-16	I Made Londen Batan and Baskara Wiana	Design of Ironing Dies by Using CAD/CAM TopSolid7 for Making 20 Millimeter Caliber Bullet Case
42	IM-T-17	Erma Hakim Setyawan	Estimation of Hourly Solar Radiation on Horizontal Surface Using GAMF (Genetic Algorithm Modified Fuzzy) (Case Study in Surabaya)
43	IM-T-18	Arif Rahman Saleh, Bambang Sudarmanta and Depi Rustam Ependi	Numerical Analysis of Heterogeneous Oxidation Reaction on Multi-stage Air Inlet Downdraft Gasifier
44	IM-E-18	Jubilate Sihombing, Wien Lestari, Mariyanto Mariyanto and Wiwid Joni	Subsurface Analysis Using Gravity Data at Lili Sepporaki Geothermal Area
45	IM-E-19	Pramoda Agung Sumadhijono, Bambang Sudarmanta and Arif Wahyudi	Effect of Jet Speed on LPG To Flame Stability and Flame Temperature Distribution on Inverse Difusion Flame (IDF)
46	IM-T-19	I Wayan Gede Krisna Dwipayana Darma Putra, Ketut Buda Artana, I Made Ariana and Luh Gede Mirah Pardani Sudiasih	A Study on Conceptual Design of Mini FSRU as LNG Receiving Facility
47	IM-M-09	Ridho Bayuaji and Dimas Pustaka Dibiantara	The Effect of Rice Husk Ash Addition As Pozzolan On Geopolymer Binder Using Alkali Activators
48	IM-M-10	Ruslan Hidayat	Alternative of stone ash as a sand replacement in fc '40 mpa quality concrete mixture on pressure stress

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No	Paper ID	Authors	Title
49	IM-T-20	Briansyah Setio and Siti Rochimah	Error Message Quality of Web Form : Assessment on Existing Parameters
50	IM-M-11	Ita Sulistyani, Kartika Dewi, Suprpto Suprpto and Yatim Ni'Mah	Adsorption of Indigosol Dye Waste from Batik Home Industry at Ex Redlight District, Dolly, Surabaya using Activated Carbon
51	IM-T-21	Edwin Riksakomara	Not Perform Loan (NPL) Forecasting Scale in Indonesia using Adaptive Neuro-Fuzzy Inference System (ANFIS) Method
52	IM-T-22	Adi Soeprijanto	Power System Optimal Operation with Dynamic Stability Constraint
53	IM-T-23	Rully Soelaiman	Hybrid Saliency-SVM Method Implementation for Automatic Data Training Selection in Image Segmentation
54	IM-M-12	Mohammad Isa Irawan	Implementation of Self-Organizing Fuzzy Maps on Incomplete Data for Nutritional Clustering of Foodstuffs
55	IM-T-24	Baroto Tavip Indrojarwo	Exterior Electric Hatchback Crossover Car Design with Strong, Vicious and Sharp Concept
56	IM-E-20	Siti Zullaikah	Blending Ratio Effect on Co-pyrolysis of Palm Fruit Bunches (EPFB) and Low Quality Coal using CO ₂ Purge Gas in terms of Gas, Char and Tar Characteristics
57	IM-M-13	Irfan Marwanza ¹ , Andre Susilo ¹ , Febrilia Agar Pramesti ² , Riskaviana Kurniawati ² , Wiwik Dahani ^{1*}	The Effect of Chemical and Mineral Composition on Rock Mass Strength (Case Study of Kaliwadas Limestone Hill, Karangsembung, Kebumen, Central Java)
58	IM-M-14	Stella Jovita, Febrilia Agar Pramesti, Riskaviana Kurniawati, Ani Iryani*	The effect of 2 propanol to TiO ₂ / ZSM-5 composite morphology
59	IM-M-15	Wiwik Dahani ¹ , Rosiana Safitri ² , , Agung Bagus Pambudi ² , Irfan Marwanza ^{1,*} , Muhammad Iran Rizki ¹	The Relevancy Of Mineral Composition To Rock Shear Strength in Kaliwadas Hills, Karangsembung, Kebumen
60	IM-M-16	Agung Bagus Pambudi, Dwi Novi Cahyanti, Wahyu Prasetyo Utomo, Djoko Hartanto*	On The Synthesis of ZSM-5 Directly from Kaolin Bangka with Aging Time
61	IM-M-17	Wahyu Prasetyo Utomo, Aras Suci Wijayanti, Sillvana Nurherdiana, Rendy Muhammad Iqbal and Hamzah Fansuri	Preparation and Morphological Property of Co ₃ O ₄ /Ba _x Sr _{1-x} Co _{0.8} Fe _{0.2} O _{3-δ} (x=0.5-0.7) Flat Sheet Membranes using Starch as Binder Agent

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62	IM-M-18	Rahadian Abdul Rachman, Ricky Evan Kendra, Endang Purwanti, Lukman Atmaja, Nurul Widiastuti	Synthesis of carbon/zeolite-Y composite modified by nitrogen and activated by K ₂ CO ₃ for hydrogen storage material
63	IM-E-21	Adelia Riska Pratiwi, Cynthia Aprilia Puteri, Suprpto, Yatim Lailun Ni'mah	The application of recycled pre-lithium graphite as a new lithium ion battery anode material
64	IM-M-19	R Bayuaji, D P Dibiantara, R Ilmiah, N A Husin, MS Darmawan, R Buyung, S Subekti	The Effect of Rice Husk Ash Addition As Pozzolan On Geopolymer Binder Using Alkali Activators
65	IM-M-20	Raudhatu Shalihah, Nuni Widiarti, Suprpto, Emsal Yuniar, Didik Prasetyoko*	Modified Zn to Indonesian natural calcite as heterogeneous catalysts for biodiesel production from reutealis trisperma oil
66	IM-E-22	Hakun Wirawasista Aparamartaa*, Safrina Hapsaria, Setiyo Gunawana, Badril Azhara, Hanggoro Tri Adityaa, Yi-Hsu Jub	The Election of Edible and Non Edible Crop for Biodiesel Feedstock in Indonesia with AHP-BCR and GC Analysis
67	IM-T-25	H L Guntur ¹ , A A A Daman ¹ and W Hendrowati ¹	The Vibration Reduction in Multilevel Structure Model with the addition of Tuned Liquid Column Damper (TLCD): Study of the Influence of variations in TLCD's mass ratio & orifice cross-sectional area
68	IM-E-23	Totok Soehartanto, Sarwono, Roekmono dan Matradji	Impact Overall Thermal Transfer Value to Cooling Load of Research Centre ITS
69	IM-E-24	Totok Soehartanto, A. Abdurrahman; H Sufyan	Biogas Purification using Serial Wet Scrubber
70	IM-M-21	Vivien Suphandani Djalani, Hendro Nurhadi, Pramita Ayu Nurdia Ningrum*	Preliminary work Innovative Propeller Design in Application of Multi-Objective Evolution Techniques on Design Geometry and Material Properties
71	IM-E-25	Siti Zullaikah*, Arsita Permatasari, Indah marita and M. Rachimoallah	Effect of catalytic in situ production of biodiesel on the total sugars of deaftted rice bran
72	IM-E-26	Siti Zullaikah* ¹ , Mardiah ¹ , M. Rachimoallah ¹ , and Binti Muallifatul Rosyidah ²	Co-pyrolysis of low rank coal and oil palm empty fruit bunch: effect of temperature and blending ratio on product distribution
73	IM-M-22	Novia Amalia Sholeha, Lailatul Jannah, Hannis Nur Rohma, Nurul Widiastuti, Hartati, Didik Prasetyoko	Synthesis and characterization of Y-type zeolite from activated Bangka Belitung's kaolin using sulfuric acid
74	IM-M-23	Reva Edra Nugraha, Imroatul Qoniah, Suprpto, Didik Prasetyoko	Optimization synthesis of hierarchical ZSM-5 from Bangka Belitung's kaolin : effect of time and temperature crystallization