



**International Seminar on Chemical Engineering Soehadi Reksowardojo in conjunction
with Symposium on Photocatalyst and Photocatalysis 2020 (STKSR-Symphosis 2020)**

“Circular Economy for Better World”

Meeting Platform: Zoom Meeting
All the schedule is Jakarta Time (GMT+7)

Day 1 : Monday, November 16th 2020

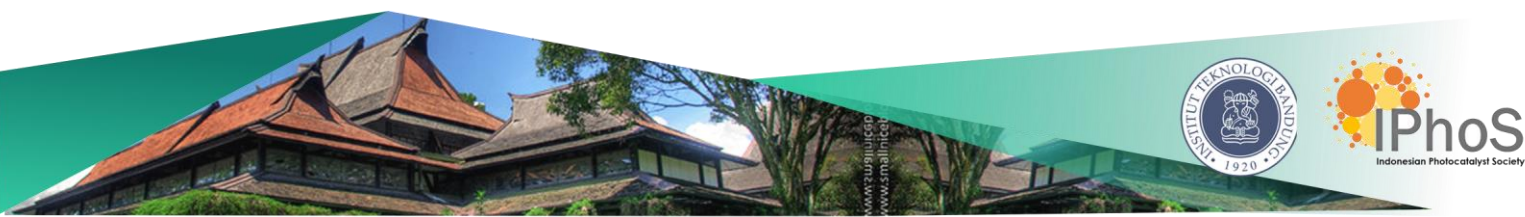
| | |
|---------------|--|
| 08.00 – 08.30 | Registration |
| 08.30 – 08.55 | Opening ceremony |
| 08.30 - 08.35 | Opening by MC |
| | Sing the National Anthem “Indonesia Raya” |
| 08.35 – 08.40 | Remarks by Chairman of STKSR-Symphosis 2020 |
| 08.40 – 08.50 | Opening Speech by the Rector of ITB |
| 08.50 – 08.55 | Moderator introduction |
| 08.55 – 09.25 | Plenary Speaker 1: Prof. S. Vigneswaran Civil and Environmental Engineering, University of Technology Sydney, Australia |
| 09.25 – 09.40 | Discussion |
| 09.40 – 09.45 | Introduction of Plenary Speaker 2 |
| 09.45 – 10.15 | Plenary Speaker 2: Prof. Bunsho Ohtani Institute for Catalysis, Hokkaido University, Japan |
| 10.15 – 10.30 | Discussion |
| 10.30 – 10.35 | Wrap up and Remarks from Moderator |
| 10.35 – 10.40 | MC Announcement |
| 10.40 – 10.50 | Break |
| 10.50 – 12.20 | Parallel Session I Room A : Prof. Kakeru Fujiwara Room B : Dr. Made Tri Ari Penia K. Room C : Dewi Mersitarini |
| 12.20 – 13.20 | Break |
| 13.20 – 13.25 | Re-Opening by Room MC |
| 13.25 – 14.55 | Parallel Session II Room A : Dr. Leny Yulianti |
| 14.55 – 15.05 | Break |
| 15.05 – 15.10 | Re-Opening by Room MC |
| 15.10 – 16.25 | Parallel Session III |
| 16.25 – 16.30 | Closing by Room MC (Acknowledgement of sponsors and reminder the event on the 2 nd day) |





Day 2 : Tuesday, November 17th 2020

| | |
|---------------|---|
| 08.00 – 08.30 | Registration |
| 08.30 – 08.35 | Opening by Room MC |
| 08.35 – 08.40 | Moderator Introduction |
| 08.40 – 10.10 | Parallel Session IV Room A : Prof. Ramaraj Boopathy |
| 10.10 – 10.20 | Break |
| 10.20 – 10.25 | Reopening by Room MC |
| 10.25 – 11.55 | Parallel Session V |
| 11.55 – 12.00 | Room MC closing and announcement regarding next session |
| 12.00 – 13.10 | Break |
| 13.10 – 13.15 | Reopening by MC (Acknowledgement of sponsors) and Introduces Moderator |
| 13.15 – 13.20 | Moderator introduction and opening |
| 13.20 – 13.50 | Plenary Speaker 3: Prof. Dr. Ing. Jiri Jaromir Brno University of Technology, Czech |
| 13.50 – 14.05 | Discussion |
| 14.05 – 14.10 | Moderator introduces Plenary Speaker 4 |
| 14.10 – 14.40 | Plenary Speaker 4: Kari Herlevi Project Director, Circular Economy SITRA, Finland |
| 14.40 – 14.55 | Discussion |
| 14.55 – 15.00 | Moderator introduces Plenary Speaker 5 |
| 15.00 – 15.30 | Plenary Speaker 5: Prof. Dr. Andrzej Stankiewicz Founder and Chairman of the Board of the European Process Intensification Centre |
| 15.30 – 15.45 | Discussion |
| 15.45 – 15.50 | Wrap up and Remarks from Moderator |
| 15.50 – 16.20 | Closing Remarks |
| 16.20 – 16.30 | Closing by MC |





Parallel Session I

Day 1 : Monday, November 16th 2020

*presentation session include 10 minutes presentation and 5 minutes Q&A

| Time | Event | Abstract Code |
|---|-----------------------------------|---------------|
| Room A (Symphosis) | | |
| 10.50-11.10 | Prof. Kakeru Fujiwara | INV01 |
| 11.10-11.20 | Q&A | |
| 11.20-11.35 | Presentation I | S02 |
| 11.35-11.50 | Presentation II | S07 |
| 11.50-12.05 | Presentation III | S04 |
| 12.05-12.20 | Presentation IV | S03 |
| Room B (Bioprocess Technology) | | |
| 10.50-11.10 | Dr. Made Tri Ari Penia Kresnowati | INV02 |
| 11.10-11.20 | Q&A | |
| 11.20-11.35 | Presentation I | B02 |
| 11.35-11.50 | Presentation II | B03 |
| 11.50-12.05 | Presentation III | B04 |
| 12.05-12.20 | Presentation IV | B07 |
| Room C (Industrial Application) | | |
| 10.50-11.10 | Dewi Mersitarini | INV03 |
| 11.10-11.20 | Q&A | |
| 11.20-11.35 | Presentation I | I01 |
| 11.35-11.50 | Presentation II | I02 |
| 11.50-12.05 | Presentation III | I03 |
| 12.05-12.20 | Presentation IV | I05 |
| Room D (Kurita Awardees) | | |
| 10.50-11.00 | KWEF Welcome Address | - |
| 11.00-12.20 | Dr. Norhayati Abdullah, UTM | - |
| 11.20-11.35 | Thailand Best Awardee 2018 | - |
| 11.35-11.50 | Indonesia Best Awardee 2018 | - |
| 11.50-12.05 | Vietnam Best Awardee 2018 | - |
| 12.05-12.20 | Announcement | - |
| Room E (Bioenergy – Alternative Energy and Chemurgy – Biobased Material) | | |
| 10.50-11.05 | Presentation I | C01 |
| 11.05-11.20 | Presentation II | E07 |
| 11.20-11.35 | Presentation III | C05 |
| 11.35-11.50 | Presentation IV | E11 |
| 11.50-12.05 | Presentation V | E08 |
| 12.05-12.20 | Presentation VI | E12 |





Parallel Session II

Day 1 : Monday, November 16th 2020

*presentation session include 10 minutes presentation and 5 minutes Q&A

| Time | Event | Abstract Code |
|---|-------------------|---------------|
| Room A (Symphosis) | | |
| 13.25-13.45 | Dr. Leny Yulianti | INV04 |
| 13.45-13.55 | Q&A | |
| 13.55-14.10 | Presentation I | S01 |
| 14.10-14.25 | Presentation II | S05 |
| 14.25-14.40 | Presentation III | S06 |
| 14.40-14.55 | Presentation IV | S09 |
| Room B (Separation Technology) | | |
| 13.25-13.40 | Presentation I | M01 |
| 13.40-13.55 | Presentation II | M04 |
| 13.55-14.10 | Presentation III | M09 |
| 14.10-14.25 | Presentation IV | M10 |
| 14.25-14.40 | Presentation V | M05 |
| 14.40-14.55 | Presentation VI | M08 |
| Room C (Food Technology) | | |
| 13.25-13.40 | Presentation I | F10 |
| 13.40-13.55 | Presentation II | F04 |
| 13.55-14.10 | Presentation III | F05 |
| 14.10-14.25 | Presentation IV | F08 |
| 14.25-14.40 | Presentation V | F11 |
| 14.40-14.55 | Presentation VI | F07 |
| Room D (Kurita Awardees) | | |
| 13.25-13.40 | Presentation I | K01 |
| 13.40-13.55 | Presentation II | K02 |
| 13.55-14.10 | Presentation III | K03 |
| 14.10-14.25 | Presentation IV | K08 |
| 14.25-14.40 | Presentation V | K09 |
| 14.40-14.55 | Presentation VI | K10 |
| Room E (Bioenergy – Alternative Energy and Chemurgy – Biobased Material) | | |
| 13.25-13.40 | Presentation I | C04 |
| 13.40-13.55 | Presentation II | E04 |
| 13.55-14.10 | Presentation III | C08 |
| 14.10-14.25 | Presentation IV | E05 |
| 14.25-14.40 | Presentation V | E09 |
| 14.40-14.50 | Presentation VI | E13 |





Parallel Session III

Day 1 : Monday, November 16th 2020

*presentation session includes 10 minutes presentation and 5 minutes Q&A

**proposal presentation session includes 7 minutes presentation and 3 minutes Q&A

| Time | Event | Abstract Code |
|--|---------------------------|---------------|
| Room A (Advanced Science and Materials) | | |
| 15.10-15.25 | Presentation I | A02 |
| 15.25-15.40 | Presentation II | A03 |
| 15.40-15.55 | Presentation III | A04 |
| 15.55-16.10 | Presentation IV | A16 |
| 16.10-16.25 | Presentation V | A17 |
| Room B (Bioprocess Technology) | | |
| 15.10-15.25 | Presentation I | B01 |
| 15.25-15.40 | Presentation II | B06 |
| 15.40-15.55 | Presentation III | B08 |
| Room C (Food Technology) | | |
| 15.10-15.25 | Presentation I | F09 |
| 15.25-15.40 | Presentation II | F02 |
| 15.40-15.55 | Presentation III | F03 |
| 15.55-16.10 | Presentation IV | F06 |
| 16.10-16.25 | Presentation V | F01 |
| Room D (Kurita Awardees) | | |
| 15.10-15.20 | Proposal Presentation I | K04 |
| 15.20-15.35 | Presentation I | K12 |
| 15.35-15.45 | Proposal Presentation II | K05 |
| 15.45-15.55 | Proposal Presentation III | K06 |
| 15.55-16.05 | Proposal Presentation IV | K07 |
| 16.05-16.15 | Proposal Presentation V | K11 |
| 16.15-16.30 | Presentation II | K13 |





Parallel Session IV

Day 2 : Tuesday, November 17th 2020

*presentation session include 10 minutes presentation and 5 minutes Q&A

| Time | Event | Abstract Code |
|---|------------------------|---------------|
| Room A (Bioprocess Technology) | | |
| 08.40-09.00 | Prof. Ramaraj Boopathy | INV05 |
| 09.00-09.10 | Q&A | |
| 09.10-09.25 | Presentation I | B10 |
| 09.25-09.40 | Presentation II | B09 |
| 09.40-09.55 | Presentation III | B05 |
| 09.55-10.10 | Presentation IV | B11 |
| Room B (Advanced Science and Materials) | | |
| 08.40-08.55 | Presentation I | A01 |
| 08.55-09.10 | Presentation II | A05 |
| 09.10-09.25 | Presentation III | A06 |
| 09.25-09.40 | Presentation IV | A07 |
| 09.40-09.55 | Presentation V | A09 |
| 09.55-10.10 | Presentation VI | A11 |
| Room C (Industrial Application) | | |
| 08.40-08.55 | Presentation I | I04 |
| 08.55-09.10 | Presentation II | I06 |
| 09.10-09.25 | Presentation III | I07 |
| 09.25-09.40 | Presentation IV | I08 |
| 09.40-09.55 | Presentation V | I09 |
| 09.55-10.10 | Presentation VI | I10 |
| Room D (Reaction and Control Engineering) | | |
| 08.40-08.55 | Presentation I | R05 |
| 08.55-09.10 | Presentation II | R06 |
| 09.10-09.25 | Presentation III | R10 |
| 09.25-09.40 | Presentation IV | R08 |
| 09.40-09.55 | Presentation V | R09 |
| 09.55-10.10 | Presentation VI | R07 |
| Room E (Bioenergy – Alternative Energy and Chemurgy – Biobased Material) | | |
| 08.40-08.55 | Presentation I | C02 |
| 08.55-09.10 | Presentation II | C06 |
| 09.10-09.25 | Presentation III | E06 |
| 09.25-09.40 | Presentation IV | C07 |
| 09.40-09.55 | Presentation V | E10 |





Parallel Session V

Day 2 : Tuesday, November 17th 2020

*presentation session include 10 minutes presentation and 5 minutes Q&A

| Time | Event | Abstract Code |
|--|------------------|---------------|
| Room A (Advanced Science and Materials) | | |
| 10.25-10.40 | Presentation I | A15 |
| 10.40-10.55 | Presentation II | A14 |
| 10.55-11.10 | Presentation III | A12 |
| 11.10-11.25 | Presentation IV | A13 |
| 11.25-11.40 | Presentation V | A10 |
| Room B (Process Simulation) | | |
| 10.25-10.40 | Presentation I | P03 |
| 10.40-10.55 | Presentation II | P02 |
| 10.55-11.10 | Presentation III | P01 |
| 11.10-11.25 | Presentation IV | P04 |
| 11.25-11.40 | Presentation V | P05 |
| Room C (Bioenergy – Alternative Energy, Chemurgy – Biobased Materials and Industrial Application) | | |
| 10.25-10.40 | Presentation I | E01 |
| 10.40-10.55 | Presentation II | I11 |
| 10.55-11.10 | Presentation III | E02 |
| 11.10-11.25 | Presentation IV | C03 |
| Room D (Reaction and Control Engineering) | | |
| 10.25-10.40 | Presentation I | R03 |
| 10.40-10.55 | Presentation II | R02 |
| 10.55-11.10 | Presentation III | R11 |
| 11.10-11.25 | Presentation IV | R01 |
| Room E (Separation Technology) | | |
| 10.25-10.40 | Presentation I | M03 |
| 10.40-10.55 | Presentation II | M06 |
| 10.55-11.10 | Presentation III | M07 |
| 11.10-11.25 | Presentation IV | M11 |
| 11.25-11.40 | Presentation V | M12 |





List of Accepted Abstracts

ORAL PRESENTATION

| Registration Number | Title | Author | Paper Code |
|--|--|---|------------|
| Topic: Advanced Science and Materials | | | |
| 003 | Effect of Bubble Size on Electrochemical Reduction of Carbon dioxide to Formic Acid | Pramujo Widiatmoko, Wibawa Hendra Saputera, Hary Devianto, Isdiriayani Nurdin, Esperanza Rivana, Albert Angkasa | A01 |
| 021 | An Overview of Synthetic Polymer-based Membrane Modified with Chitosan for Fuel Cell Application | Sabrina Rahmi Adiyar, Adhi Satriyatama, Ni Kadek Adnya Kusuma Sari, Aida Nurul Azjuba | A02 |
| 023 | Electrospun Zeolite Fiber Dye Removal | Saepurahman, Raed Hashaikah, Rino R. Mukti | A03 |
| 028 | The Synthesis of Magnetic Molecularly Imprinted Polymer Against Di-(2-ethylhexyl) Phthalate | Asyifa Rizqi Utami, Muhamad Ali Zulfikar, Deana Wahyuningrum | A04 |
| 041 | Optimization of Electrode Material Composition from Activated Carbon, Multi Wall Carbon Nanotube, and Graphene for Enhance Performance of The Supercapacitor | H. Rustamaji, T. Prakoso, H. Devianto, P. Widiatmoko, I. Nurdin, J. Rizkiana | A05 |
| 042 | Production of Activated Carbon from Palm Empty Fruit Bunch as Supercapacitor Electrode Material | N. N. Wulandari K, H. Rustamaji, W. U. Fibarazy, T. Prakoso, J. Rizkiana, H. Devianto, P. Widiatmoko, I. Nurdin | A06 |
| 044 | Fabrication of Dye Sensitized Solar Cell (DSSC) Module | Leo Setiadarma, Jeremy Putra Wirjo Santoso, Pramujo Widiatmoko, Hary Devianto, Isdiriayani Nurdin | A07 |
| 045 | Development of Organoclay for Removal of Fe(III) and Mn(II) From Acid Mine Drainage Model | Elvi Restiawaty, Yazid Bindar, Rizqan Jamal | A08 |
| 048 | Wettability Improvement of Carbon Nanotube for Supercapacitor Electrode | H. Devianto, N. Luthfiana, P. Widiatmoko, I. Nurdin, T. Prakoso | A09 |
| 050 | Agglomeration Issues of Biosynthesized Nanoparticles - A Review | S. Khairunnisa, V. Wonoputri, T.W. Samadhi | A10 |
| 051 | Supercapacitor Cell Based on Gel Polymer Electrolyte and Activated Carbon from Oil Palm Empty Fruit Bunch as Electrode Material | W.U. Fibarzi, N. N. Wulandari K., H. Rustamaji, T. Prakoso, J. Rizkiana, H. Devianto, P. Widiatmoko, I. Nurdin | A11 |
| 089 | Effects of Fe-Doped Electrolyte and Feed Flow Rate Evaluation in Home Made Solid Oxide Fuel Cell | Hary Devianto, Isdiriayani Nurdin, Pramujo Widiatmoko, Kafi Adi Prasetya, Basil Pradipta | A12 |





| Registration Number | Title | Author | Paper Code |
|-------------------------------------|---|--|------------|
| 093 | Kapok Fiber Modification by Reduced Graphene Oxide for Oil Absorbent | Graecia Lugito, Tjokorde Walmiki Samadhi, Tirto Prakoso, Muhammad Lauda, Vincent Laurent Tanujaya | A13 |
| 095 | Synthesis of Bionanocatalyst to Produce Fatty Acids as Precursor of Green Diesel | Yogi Wibisono Budhi, Muhammad Wildan Hakim, Harris Fikren Taufik, Arie Wibowo, Ardiyan Harimawan, Neng Tresna Umi Culsum | A14 |
| 099 | Lipase Immobilization onto Cellulose Nanocrystals (CNCs) for Lipolysis Triglycerides | E. Restiawaty, F. A. Yatasya, Ellys, N. T. U. Culsum, Akhmaloka, Y. W. Budhi | A15 |
| 120 | Utilization of Kaolin as a Filling Material for Rubber Solid Tire Compounds for Two-wheeled Electric Scooters | Nasruddin, Sri Agustini, Muhammad Sholeh | A16 |
| 121 | The Effect of Nanostructured Silica Synthesis Temperature on the Characteristics of Silica Filled Natural Rubber Composite | Muhammad Sholeh, Rochmadi Rochmadi, Hary Sulisty, Budhijanto Budhijanto, Martin Doloksaribu | A17 |
| Topic: Bioprocess Technology | | | |
| 020 | Numerical Investigation of Double Chamber Acetate-Fed Microbial Fuel Cell in Unsteady-State Condition | I. Subadri, A. Satriyatama, I. D. M Budi, A. Harimawan | B01 |
| 035 | Evaluation of Heat Distribution and Aeration of Xylanase Production from Palm Oil Empty Fruit Bunches Using Tray Bioreactor | Diah Meilany, MTAP Kresnowati, Tjandra Setiadi | B02 |
| 040 | Combining Biodelignification and Hydrothermal Pretreatment of Oil Palm Empty Fruit Bunches (OPEFB) for Monomeric Sugar Production | I. M. Hidayatullah, M. D. A Husnam H. Radian, M. T. A. P. Kresnowati, S. H. Suhardi, T. Setiadi | B03 |
| 043 | Syngas Fermentation for Production of Ethanol | N. A. Isitqomah, M. T. A. P Kresnowati, T. Setiadi | B04 |
| 052 | Phenolic Compound, Antioxidant and Antibacterial Properties of Electrospun PVP Nanofiber Loaded with <i>Bassela rubra linn</i> Extract and Alginate from <i>Sargassum sp.</i> | Eka Lutfi Septiani, Okky Putri Prastuti, Siti Machmudah, Sugeng Winardi, Wahyudiono, Hideki Kanda, Motonobu Goto | B05 |
| 061 | The effect of POME Sources and Salt Addition on Microbial Fuel Cell Performance | S. Zakiyyah, A. Harimawan, H. Devianto | B06 |
| 064 | Estimation of the Biomass Yield and Stoichiometric Coefficient During Bioproduct Formation through Thermodynamic Approach : A Case Study of Biosurfactant Production | R. S. Adiandri, R. Purwadi, Hoerudin, T. Setiadi | B07 |





| Registration Number | Title | Author | Paper Code |
|--|--|--|------------|
| 074 | Microbial Biosurfactant Potential on Cadmium Heavy Metal Bioremediation in Co-Contaminated Environment | Wuddan Nadhirah Rodiana, Kaim Maspuudin, Isty Adhitya Purwasena, Indriani Dea Astuti | B08 |
| 103 | Cultivation of "Botryococcus Braunii" Microalgae for Hydrocarbons Production and CO ₂ Bio-fixation | R. G. Dewi, D. Sikaton, S. Sitorus, G. N Sevie, P. Bunga, S. Permata | B09 |
| 108 | Modeling and Simulation of Biobutanol Fermentation by <i>Clostridium saccharoperbutylacetonium</i> N1-4 | Elvi Restiawaty, Ardiyan Harimawan, Novaldio Rizki, Fauz Irfan Rafi | B10 |
| 114 | Medium Optimization for Production of <i>Monascus purpureus</i> Pigment through Solid-state Fermentation | G. A. Ismail, A. D. Fitriana, U. Sukandar | B11 |
| Topic: Chemurgy and Biobased Materials | | | |
| 004 | Tobacco Extract as Corrosion Inhibitor for Carbon Steel in H ₂ S-containing NaCl Solution | Della Silvia, Clarissa Prakarsa, Isdiriyani Nurdin, Pramuj Widiatmoko, Hary Devianto | C01 |
| 017 | An Improved Mechanical Properties of Wheat Bran-Based Polylactic Acid Plasticized with Glycerol | A. Satriyatama, V. A. A. Rochman, R. E. Adhi | C02 |
| 037 | Eco-Friendly Metal Oxides Catalyst Prepared from Cakalang Fish Bone (<i>Katsuwonus pelamis</i>) Through a Thermal Decomposition Method | Muliadi Ramli, Desi Novita, Murniana, Febriani, Saiful, Nasrullah Idris | C03 |
| 063 | Catalytic Process Development of Bio-BTX from Lignocellulose Derived Product: Preliminary Study Using Transition Metal Catalysts | Haryo Pandu Winoto, C.B. Rasrendra, Jenny Rizkiana, Johannes Kurniawan Leo, Andre Citawijaya | C04 |
| 069 | Estimation of Xylose Recovery from Lignocellulosic Biomass | M. T. A. P. Kresnowati, D. C. Januardi, S. V. Utomo | C05 |
| 084 | A Study of Producing Natural Red Color on Ikat Weaving Threads | D. P. Dala Ngapa, Y. Daud, A. C. Sabuna | C06 |
| 086 | Identification of Biomordant in Merbaun Village, West Amarasi District, Kupang Regency | A. K. Taimenas, J. Ngginak, A. C. Sabuna | C07 |
| 115 | Characteristics of Hydrochar and Liquid Fraction from Hydrothermal Carbonization of Seaweed (<i>Sargassum Spp.</i>) | Tirto Prakoso, Jenny Rizkiana, Heri Rustamaji, Guoqing Guan | C08 |
| Topic: Bioenergy and Alternative Energy | | | |
| 005 | Bio-Hydrocarbon Production from Pyrolysis of Mixed-Metal (Ca, Mg, Zn) Basic Soap | E. Puspawiningtyas, M. Pratiwi, Subagjo, T. H. Soerawidjaja, T. Prakoso | E01 |
| 012 | Cost-Benefit Analysis of Palm Kernel Shells as a Diesel Fuel Substitution for Hot-Mixed Asphalt | Evi Gravitiani, Nuri Resti Chayyani, Sunu Herwi Pranolo, Prabang Setyono, Ary Setyawan | E02 |





| Registration Number | Title | Author | Paper Code |
|---------------------|---|---|------------|
| 033 | Cogasification Performance of Deashed Coal with Various Biomass | Jenny Rizkiana, Sandy Fajar Maulana, Ghiffary Azka Nur Aulia, Nasywa Kamilah, Reyhan Fitri Ananda, Winny Wulandari, Dwiwahju Sasongko | E04 |
| 034 | Mass Balance Analysis of Bioethanol Production from Sweet Sorghum (<i>Sorghum bicolor</i>) | Muhammad Lauda, Nadiya Rahmawati, Wayda Rahma Putri Fajar, Aliya Ramadhani, Rahmah Amirah June, Meiti Pratiwi, Jenny Rizkiana | E05 |
| 038 | Mini Solar Water Heating Biodiesel Plant by Homogeneous Catalyzing | Rinjani Ratih Rakasiwi, Syaifurrahman, Usman A. Gani | E06 |
| 083 | Water Electrolysis for Hybrid Assisted Hydrogen Producing Using Photovoltaic-Conventional Electricity | Pramujo Widiatmoko, Isdiriyani Nurdin, Hary Devianto, Tatto Bustomi, Muhammad Mara Ikhsan, Rizky Eka Rachmatillah A. | E07 |
| 085 | Modelling Effect of Vacuum and Atmospheric Drying on Torrefaction of Oil Palm Trunk (OPT) | Dendy Adityawarman, Vika Fujiyama, Hyung Woo Lee, Retno Gumilang Dewi, Johnner P. Sitompul | E08 |
| 092 | Novel Approach of Biodiesel Production to Support Circular Economy in Biodiesel Industry | Aghietyas Choirun Az Zahra, Ilya Arina Rusyda, Andini Hizbiyati, Felix Geovani, Nabila Zahara, Bramantha Jiwardaru, Meiti Pratiwi, Astri Nut Istyami, Dwiwahju Sasongko, Jenny Rizkiana | E09 |
| 096 | The Potential of Biogas in Energy Transition in Indonesia | Elisabeth Rianawati, Saut Sagala, Ichsan Hafiz, Johannes Anhorn, Sinshaw Alemu, Jorge Hilbert, Dwight Rosslee, Mutala Mohammed, Yaseen Salie, Dominik Rutz, Michael Rohrer, Angela Sainz, Franz Kirchmeyr, Aleksejs Zacepins, Frank Hofmann | E10 |
| 113 | Biogas Utilization in KPBS Pangalengan: History and Challenges | Pramujo Widiatmoko, Jenny Rizkiana, Susilo Yuwono, Mohammad Taufiq, Candra Purnama Hadi | E11 |
| 123 | Life Cycle and Economic Assessment of Integrating Gasification Unit into Production Unit of Pellet from Fallen Leaves and Twigs | Fadil Abdul Rahman, Gendewa Utomo, Indra Purwadi, Herri Susanto | E12 |
| 124 | Pilot Plant Design for Production of Drop-in Bio-fuels by Decarboxylation of Palm Oil Metal-soap | R Purwadi, A N Istiyami, M Pratiwi, G F Neonufa, E Puspawiningtiyas, L Elizabeth | E13 |





| Registration Number | Title | Author | Paper Code |
|--------------------------------------|---|--|------------|
| Topic: Food Technology | | | |
| 001 | Food Safety Analysis and Improvement Concept of β – Carotene Extraction from Fungal Fermented Oil Palm Empty Fruit Bunches (OPEFB); Extraction Method and Solvent Selection | Syahdan Amir Muhammad, Clara Novia, Achmad Qodim Syafaatullah | F01 |
| 008 | Interesterification of Indonesian Vegetable Oil for Cocoa Butter Alternatives: Its Effect on Slip Melting Point Changes | Dianika Lestari, Nathania, Oktalia Putri Pratama, Jenny Rizkiana | F02 |
| 032 | Statistical Mixture Design for Modelling and Optimization of Feed Mixture in the Chemical Interesterification to produce Cocoa Butter Alternatives | R. Jenny, Nathania, P. P. Oktalia, L. Dianika | F03 |
| 047 | Pediocin and Grape Seed Extract as Antimicrobial Agents in Nanocellulose Biobased Food Packaging: A Review | Timotius Weslie, Vincent Felixius, Zulfah Amala, Dian Shofinita | F04 |
| 049 | Taro Ice Cream: Addition of <i>Colocasia esculenta</i> Stem to Improve Antioxidant Activity Improvement in Ice Cream | A. H. Asaduddin, U. N. Maulani, A. Y. Sari, K. Hawari, A. A. Ayusari | F05 |
| 062 | Production of Coconut Oil and Protein for Food and Cosmetic Ingredients | Dianika Lestari, Amilah Ridho Rahmani, Danu Ariono | F06 |
| 071 | Effect of Stabilization Pre-treatment on Phenolic Compounds and Antioxidant Activity in Rice Bran | Zahara Mardiah, Dian Shofinita, Johnner P. Sitompul | F07 |
| 073 | Preliminary Evaluation of Halal Protein Hydrolysate Production in Indonesia | Made Tri Ari Penia Kresnowati, Cantika Rahayu Affandi, Cindi Pratiwi | F08 |
| 104 | Techno-economic Analysis of the Production of Natural Food Colorant from Dragon Fruit Peel | Dian Shofinita, Yazid Bindar, Riskie Ulvat Dinnita, Fariz Rizqi | F09 |
| 125 | Fermented Cassava as an Alternative Flour for Pasta Making | R Purwadi, C F Teguh, D A Mazaya | F10 |
| 126 | The Effect of Size and Solid Content in Hydrolysis of Sweet Potato Starch Using Endogenous Beta-amylase Enzyme | R Purwadi, D Lestari, C A Lohoo J L Tirtaadji | F11 |
| Topic: Industrial Application | | | |
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| Registration Number | Title | Author | Paper Code |
|----------------------|---|--|------------|
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| 091 | Circular Economy on Inorganic Waste Management with MASARO Technology | A.Z. Abidin, E.V Yemensia, K.W. Wijaya, A.P. Rahardjo | I10 |
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| Topic: Kurita | | | |
| 002 | Silk Fibroin-based Biocomposite Adsorbent for Heavy Metals and Organic Dye Removal in Aqueous Solution | Lusi Ernawati, Ruri Agung Wahyuono, Nurul Widiastuti, Audi Sabrina, Kurnia Handayani, Abdul Halim | K01 |
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| 046 | Bacterial Immobilization in Super-Adsorption Composite Material and Its Application on Decolorization and Biodegradation of Methylene Blue Dye on Batik Industrial Wastewater | Adi Setyo Purnomo, Hamdan Dwi Rizqi | K04 |
| 056 | KURITA Overseas Research Grant 2020 : Nanocellulose-based Magnetic Nanocomposite as Superadsorbent of Toxic Heavy Metal Ions | Athanasia Amanda Septevani, Deni Shidqi Khaerudini | K05 |





| Registration Number | Title | Author | Paper Code |
|-------------------------------------|--|--|------------|
| 065 | Biomonitoring and Multidrug-Resistant Pathogenic Bacteria in Coastal Water and Sediment of Semarang City, Central Java | Mada Triandala Sibero | K06 |
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| 111 | Assessment of Characteristic Algae Organic Matter and its Impact in Oxidation Ditch Algae Reactor | Euis Nurul Hidayah, Elita Nurfitriyani Sulisty, Okik Hendriyanto Cahyonugroho, Ni Made Maya, Aulia Ulfah Farahdiba | K10 |
| 112 | Cellulose-Based Fish Scale Inspired Superoleophobic Membrane : A review | Abdul Halim | K11 |
| 116 | Microwave-Assisted Synthesis of TiO ₂ /GO Composite and Its Adsorption-Photocatalysis Property under Visible Light | Sarno Setiawan, Andri Hardiansyah, Christina Wahyu Kartikowati, Aditya Farhan Arif, Sigit Priatmoko, Osi Arutanti | K12 |
| 018 | Glyphosate-Based Herbicide Reduction and Bioelectricity Generation by Constructed Wetlands Coupled Microbial Fuel Cells | Kiki Gustinasari, Ellina Sitepu Pandebesie, Joni Hermana | K13 |
| Topic: Separation Technology | | | |
| 013 | Non-Solvents Selection for Cellulose Acetate/Polyethylene Glycol-grafting-Graphene Oxide (CA/PEG-g-GO) Membranes | Arnesya Ramadhani, Retno Dwi Nyamiati, Imanuel Berin, Naufal Ahmad Murtadho, Yeni Rahmawati, Siti Nurkhamidah | M01 |
| 019 | Preparation and Characterization of Antibacterial Polysulfone/ <i>Lantana camara</i> Membranes for Wastewater Ultrafiltration | Zulfah Amala, Adhi Satriyatama, Ignatius Dozy Mahatmanto Budi, Ardiyan Harimawan, Muchlis | M02 |
| 024 | Effect of Additive on Microstructure, Hydrophilicity and Ultrafiltration Performance of Polyethylene Terephthalate Membranes | Samuel P. Kusumocahyo, Syarifa K. Ambani, Shelly Marceline, Franzesca Michelle | M03 |
| 026 | Selective H ₂ S Absorption Using the Mixture of NaOH-NaHCO ₃ -Na ₂ CO ₃ Buffer Solution as Solvent | A Indarto, A Raksajati, D Ariono, H K Purwanto, A N Baskoro | M04 |
| 054 | Separation of Potassium from the Model Solution | Ratna Puspita, Herri Susanto | M05 |





| Registration Number | Title | Author | Paper Code |
|----------------------------------|---|---|------------|
| 058 | Effect of Graphene Oxide on the Performance of Cellulose Acetate / Polyethylene Glycol Membrane by Blending Method | Retno Dewi Nyamiati, Bertiningrum Cintya Devi, Bagus Arief Febriansyah, Arnesya Ramadhani, Yeni Rahmawati, Siti Nurkhamidah | M06 |
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| 101 | Regeneration of Spent Bleaching Earth for PLA-Nanocomposite Filler | Johnner P. Sitompul, Hizkia M. V. Gultom, Tika Paramitha | M10 |
| 118 | Purification of Vitamin E from Palm Fatty Acid Distillate through Neutralization, Extraction, and Adsorption Method | Anggita Veningtia Sari, Dianika Lestari, Ardiyan Harimawan | M11 |
| 127 | Effect of Dimethyl Sulfoxide (DMSO) as a Green Solvent and the Addition of Polyethylene Glycol (PEG) in Cellulose Acetate/Polybutylene Succinate (CA/PBS) Membrane's Performance | R. D. Nyamiati, Y. Rahmawati, A. Altway, S. Nurkhamidah | M12 |
| Topic: Process Simulation | | | |
| 009 | Natural Gas Network Design using Superstructure Method in East Java Indonesia | Rendra Panca Anugraha, Renanto, Juwari | P01 |
| 022 | Simulation Study of Heating Process under Ultrasound Irradiation in the Manufacture of Microcellular Thermoplastic Foam using Temperature-Induced Foaming | Fajar Firstya Adam, Calvin Baggery, Jeremy Samuel, Prida Novarita Trisanti, Sumarno | P02 |
| 031 | Local Equilibrium Modelling in Simulating Experimental Breakthrough Curves of Cadmium Biosorption using Fixed Bed Reactor | Awalina Satya, Ardiyan Harimawan, Keryanti Keryanti, Tjandra Setiadi | P03 |
| 087 | Recovery of Ammonium Chloride from Wastewater of Polyvinyl Chloride Thermal Stabilizer Plant by Evaporative Crystallization with Mechanical Vapor Compression : Process Performance and Economic Evaluation | I Dewa Gede Arsa Putrawan, Adli Azharuddin, Yona Octavia | P04 |





| Registration Number | Title | Author | Paper Code |
|--|--|---|------------|
| 119 | Kappa Number and Viscosity Analysis in Oxygen Delignification of Manihot Esculenta Crantz: A Comparison of Prediction and Experimental Data | Safitri Wulansari, Dinda Bazliah, Aria Darmawan, Hikmatun Ni'mah, Achmad Roesyadi, Firman Kurniawansyah | P05 |
| Topic: Reaction and Control Engineering | | | |
| 015 | Isomerization of Raw Turpentine using Various Combination of Strong and Weak Acid Catalysts for Cineole Production | Nicolaus Elka Yudhatama, Diva Almira Chairany, Muhammad Mufti Azis, Antonius Indarto | R01 |
| 016 | Depolymerization Kinetics of Aqueous Cassava Starch under Sonication Process using Free-Radical Depolymerization Model and its Correlation with Radical Products from Accoustic Cavitation | Bramantyo Airlangga, Dewangga Widyanindra A, Ahmad Adnan Billah A, Prida Novarita Trisanti, Juwari, Sumarno | R02 |
| 057 | Effect of Buffer Concentration on Palm Oil Lipolysis using Plant Latex Lipase | Astri Nur Istyami, Muhammad Helmi Risansyauqi, Wayda Rahma Putri Fajar, Meiti Pratiwi, Ronny Purwadi | R03 |
| 067 | Kinetics Study and Performance Analysis of Indonesian Rice Husk Pyrolysis | Laksmi Dewi Kasmiarno, Soen Steven, Jenny Rizkiana, Elvi Restiawaty, Yazid Bindar | R05 |
| 068 | Isomerization of Raw Turpentine for Cineole using Response Surface Methodology (RSM) : Influence of Acid Ratios and Residence Time | Divia Almira Chairany, Nicolaus Elka Yudhatama, Muhammad Mufti Azis, Antonius Indarto | R06 |
| 102 | Effects of Operating Conditions on the Production of Sodium Stearoyl 2-Lactylate | Lienda Handojo, Dian Shofinita, Karina Yuventia, Lindawaty | R07 |
| 106 | Application of Reverse Flow Reactor for Vent Gas Emission Reduction in Catalytic Oxidation Unit at Purified Terephthalic Acid Plant | Fadhly Mahdy Hanafiah, Yogi Wibisono Budhi | R08 |
| 107 | Development of Feed Modulation in Fixed Bed Reactor for Dry Reforming of Methane | Intan Clarissa Sophiana, Abdur Rashid, Yogi Wibisono Budhi | R09 |
| 110 | Synthesis of α -Terpinene from Raw Turpentine | Ilham Ardiyanto Putra, Muhammad Mufti Azis, Tatang Hernas Soerawidjaja, Antonius Indarto | R10 |
| 122 | Activity Test of CuO/ γ -Al ₂ O ₃ as Catalyst of Methanol Dehydration to Dimethyl Ether at Atmospheric Pressure | Edi Susanto, Aisyah Ardy, Herri Susanto | R11 |
| Topic: Sympnosis | | | |
| 010 | Synergistic Effect of TiO ₂ and ZnO Photocatalysts for 4-Nitrophenol Photodegradation under Ultraviolet Irradiation | Yehezkiel Steven Kurniawan, Krisfian Tata Aneka Priyangga, Leny Yuliati | S01 |





| Registration Number | Title | Author | Paper Code |
|---------------------|---|---|------------|
| 011 | Processing of Palm Mill Oil Effluent Using Photocatalytic: A Literature Review | Lya Agustina, Suprihatin Suprihatin, Muhammad Romli, Prayoga Suryadarma | S02 |
| 039 | Titania Modified Silica from Sugarcane Bagasse Waste for Photocatalytic Wastewater Treatment | Wibawa Hendra Saputera, Candra Egiyawati, Jenny Rizkiana, Dwiwahju Sasongko | S03 |
| 053 | Optimization of UV Light Source Conditions for Photocatalytic Activity of Methyl Orange using TiO ₂ | Siti Oryza Zativa, Muhammad Ali Zulfikar, Anita Alni | S04 |
| 060 | Improved Visible Light Activity of Copper Oxide / Carbon Nitrides Photocatalyst Prepared by Photodeposition of Phenol Degradation | Christyowati Primi Sagita, Leny Yuliati | S05 |
| 070 | High Photocatalytic Activity of Zink Metatitanate Materials for Phenol Photodegradation | Krisfian Tata Aneka Priyangga, Yehezkiel Steven Kurniawan, Leny Yuliati | S06 |
| 070 | High Photocatalytic Activity of Zink Metatitanate Materials for Phenol Photodegradation | Krisfian Tata Aneka Priyangga, Yehezkiel Steven Kurniawan, Leny Yuliati | S06 |
| 105 | TiO ₂ /CNCs Hybrid Photocatalyst for CO ₂ Photoreduction: TiO ₂ /CNCs Synthesis | Haroki Madani, Daffa Rifqi Pratama, Mikail Boron Alfisyahri Budiman, Meiti Pratiwi, Arie Wibowo, Yogi Wibisono Budhi | S07 |
| 117 | TiO ₂ /AC Composite for Adsorption-Photocatalytic of Methyl Orange | Christina W. Kartikowati, Anggun L. Wulansari, Bambang Poerwadi, Supriyono, Aditya Farhan Arif, Triastuti Sulistyaningsih, Osi Arutanti | S09 |

