

### CONFERENCE PROGRAM

1<sup>st</sup> International Conference on Green Energy and Environment (ICoGEE)

3<sup>rd</sup> Seminar Nasional Penelitian dan Pengabdian Masyarakat (SNPPM)

Time	Schedule
<b>Tuesday, September 3<sup>rd</sup> 2019</b>	
<b>Venue : Sahid Bangka Hotel, Pangkalpinang</b>	
07.30 - 08.00	ICoGEE and SNPPM Registration
08.00 - 09.00	ICoGEE and SNPPM Opening Ceremony <ul style="list-style-type: none"> <li>• Welcome Dance</li> <li>• Remark &amp; Overview the program from the Head of Committee</li> <li>• Official Welcome by Director of CDSR</li> <li>• Official Welcome by Rector of UBB</li> <li>• Official Welcome &amp; Opening by Governor of Bangka Belitung</li> </ul>
09.00 - 12.00	Keynote Speakers : <ul style="list-style-type: none"> <li>• Prof. Bernard Amadei (USA)</li> <li>• Prof. Wen-Chien Lee (Taiwan)</li> <li>• Prof. Orawan Siriratpiriya (Thailand)</li> <li>• Prof. Hadi Nur (Malaysia)</li> <li>• Prof. Brian Yulianto (Indonesia)</li> <li>• Prof. Misri Gozan (Indonesia)</li> </ul>
12.00 - 13.00	Lunch
13.00 - 15.15	Parallel Sessions (4 Rooms)
15.15 - 16.00	Coffee Break
16.00 - 17.00	Parallel Sessions (4 Rooms)
19.00 - 20.30	Gala Dinner
<b>Wednesday, September 4<sup>th</sup> 2019</b>	
<b>Venue : Sahid Bangka Hotel, Pangkalpinang</b>	
07.30 - 08.00	ICoGEE and SNPPM Registration
08.00 - 11.00	Parallel Sessions (4 Rooms)
11.00 - 12.00	ICoGEE and SNPPM Closing : <ul style="list-style-type: none"> <li>• Best Presenter Announcement</li> <li>• Closing Remarks from Head of Committee</li> <li>• Closing Remarks from Rector of UBB</li> <li>• Certificate</li> </ul>

# TANJUNG PANDAN

Moderator: 1. Rika Favoria Gusa, S.T., M.Eng  
2. Yuant Tiandho, S.Si., M.Si.

Tuesday, September 3rd, 2019		
Time	Author	Title
13.30 - 13.45	Maya Amalia	Efficiency Energy on Office Building in South Jakarta
13.45 - 14.00	Herman Aldila	Synthesis of carbon dielectric composite from candle nutt shell (Aleurites moluccana)
14.00 - 14.15	Muhammad Sarianto	Transesterification of Carica papaya Seed oil to Biodiesel Using CaO catalyst From Strombus canarium shells
14.15 - 14.30	Nayara Nabila	Investigation of Voltage Stability on Photovoltaic Penetration in Paokmotong Distribution System Due to Shading Effects
14.30 - 14.45	Ririn Amelia	Application of the Kriging Point Method to the Distribution Pattern of Primary Tin Mineral Content
14.45 - 15.00	Nurhadini	Structural Properties of Cellulose Acetate from Oil Palm Empty Fruit Bunch Doped with LiClO <sub>4</sub> as Biopolymer Electrolyte
15.00 - 15.30		Coffee Break
15.30 - 15.45	Muhammad Luthvan Hood	Characteristics of Disturbance in Frequency 9 -150 kHz of Rasuna Said Gas Station's Solar Panel System
15.45 - 16.00	Mustari	Green-Synthesis of CuO-Doped SnO <sub>2</sub> Nanoparticles Mediated with Pelawan (Tristanopsis merguensis) Leaf Extract
16.00 - 16.15	Agustinus Adity B. Kusuma	An Improved P&O Algorithm for Single-Stage GridConnected Photovoltaic System under Rapidly Changing Environment Conditions
16.15 - 16.30	Euis Asriani	Fuzzy Logic to predict the level of heavy metal on kolong ex tin mining based on water quality parameters at Bangka Regency
16.30 - 16.45	Revy Safitri	Walkability Index for Evaluating Pedestrian Facilities in Central Business District of Pangkalpinang
16.45 - 17.00	Nagib Muhammad	Disturbance Characteristics of the Off-Grid Photovoltaic System in the Frequency Range from 9 - 150 kHz with Changing Solar Irradiance and Shading Area

Wednesday, September 4th, 2019		
Time	Author	Title
08.00 - 08.15	Ambar Pertiwiningrum	Combustion of Purified Biogas after Carbon Dioxide Adsorption Using Sodium Hydroxide
08.15 - 08.30	Yonggi Puriza	Simulating The Operation of Tobolali Substation to Reduce The Uses of Fossil Fuel Power Plant and Energy Losses.
08.30 - 08.45	Ibrahim	From Kongsu to Sakan: Tracking the Influence of Tionghoa in Tin Production Mechanism and Process in Bangka Island
08.45 - 09.00	R. D. Juliardi	Recognizing of Building Components to Achieve Green Performance for Renovation and Retrofitting Works
09.00 - 09.15	Ervanda Maradona	Mapping of Temporary Disorders and Testing Partial Discharge to Minimize Disorders and Improving System Reliability in Lampung Feeder
09.15 - 09.45		Coffee Break
09.45 - 10.00	Firlya Rosa	Stress Analysis and Safety Factor of Shaft on Pepper Peeler Machine
10.00 - 10.15	Rika Favoria Gusa	Forecasting of Load Growth for Electrical Energy Needs in Bangka Island
10.15 - 10.30	Yuant Tiandho	Revisiting Models of Temperature-Dependent Thermal Conductivity for Nanofluids Based on Nano-convection Mechanism

# TANJUNG PESONA

Moderator: 1. Desy Yofianti, S.T., M.T.  
2. M. Fikri Radiyan, M.Sc.

Tuesday, September 3rd, 2019		
Time	Author	Title
13.30 - 13.45	Thorff Putra	Analysis of Hybrid Configuration Solar Power Plant Design at PT. PAM Lyonnaise Jaya
13.45 - 14.00	Fajar Indah Puspita Sari	Water Quality Testig Due to Oil Palm Plantation Activities in Bangka Regency
14.00 - 14.15	Eva Julianti	Synthesis of Magnetite Nanoparticle-Chitosan from Blue Swimmer Crab Shells ( <i>Portunus pelagicus</i> ) for Adsorption Pb in Mining Open Pit Water
14.15 - 14.30	G. M. Bangun	Study of Battery Sizing for Solar Power Plant
14.30 - 14.45	Occa Roanisca	Tristaniopsis merguensis Griff. Leaves Extract as Green Corrosion Inhibitor for C-Steel in HCl Medium
14.45 - 15.00	Delita Ega Andini	Predicting Potential Acid Mine Drainage of Epithermal High Sulfidation Deposits Using Static Test
15.00 - 15.30		Coffee Break
15.30 - 15.45	Rifky Pradana Purnamaputra	Disturbance Frequency 9 – 150 kHz Characteristics towards Total Harmonic Distortion on On-Grid Solar Panel System in the Electrical System of Kuningan Gas Station
15.45 - 16.00	Sulista	Net social impact of artisanal and small-scale mine: empiric study at the unconventional tin mine in Bangka Belitung Islands, Indonesia
16.00 - 16.15	Sarah Luziani	Comparison Between Sefaira Software Results and Autodesk FormIt360 As a Energy Based Application Analysis
16.15 - 16.30	Haslen Oktariani	Influence of Dip Direction on The Relationship of Friction Angel and Factor of Safety in Wedge Failure for Rock Slope
16.30 - 16.45	Widodo Budi Kurniawan	The Effect Of Particle Size On The Performance Of Electrode Capacitors Based On Pepper Shell Waste Activated Carbon
16.45 - 17.00	Evi.J	Purification of Silica from Tin Tailings Through Solid-State Method

Wednesday, September 4th, 2019		
Time	Author	Title
08.00 - 08.15	Fitrotun Aliyah	The Sustainability of Photovoltaic System in Rawasari Village, Tanjung Jabung Timur through Student Community Service - Community Empowerment Learning Program
08.15 - 08.30	Andre Fahriz Perdana Harahap	Preliminary plant design of biofuel from algae in Balikpapan, East Kalimantan
08.30 - 08.45	Eva Utami	Primary Productivity in Estuary Mangrove Kurau, Bangka Tengah
08.45 - 09.00	Sucipto	School Infrastructure Green Environment Friendly
09.00 - 09.15	Yayuk Apriyanti	Stabilization of Soft Clay Using Gypsum Waste and Tin Tailings
09.15 - 09.45		Coffee Break
09.45 - 10.00	Verry Andre Fabiani	Biodiesel Production From Waste Cooking Oil Using Catalyst CaO Derived From <i>Strombus caranum</i> shells
10.00 - 10.15	Eka Sari Wijianti	Performance of a No-load Savonius Wind Turbine With Blade I nclination of 60°
10.15 - 10.30	Desy Yofianti	Utilization of FABA Waste from coal combustion at the PLTU Air Anyir as an alternative to local construction materials

# TANJUNG TINGGI

Moderator: 1. Eka Sari Wijianti, S.Pd., M.T.  
2. M. Yonggi Puriza, S.T., M.T.

Tuesday, September 3rd, 2019		
Time	Author	Title
13.30 - 13.45	Amalia Ekaputri Hidayat	The utilization of hydroxylsodalite synthesized from coal fly ash for the removal of metal ion in acid mine drainage
13.45 - 14.00	Ormuz Firdaus	The impact of the existence of the EMAS Bridge on the convenience of movement in the industrial environment of Pangkalpinang
14.00 - 14.15	Ghiri Basuki Putra	Digitizing of 950 Small Islands in the Province of Bangka Belitung Archipelago
14.15 - 14.30	Cut Nanda Sari	Factors Affecting the Production of Biosurfactants and their Applications in Enhanced Oil Recovery (EOR). A Review
14.30 - 14.45	Endang Setyawati Hisyam	Analysis of Erosion Potential In Kantung Watersheds of Bangka Regency
14.45 - 15.00	Christian Nindy Oktarino	Study of Microclimate Characteristic in Heritage Tourism Area (Study Case: Taman Sari, Yogyakarta)
15.00 - 15.30		Coffee Break
15.30 - 15.45	Robby Gus Mahardika	Chitin Deacetylation Shells of Portunus pelagicus Using Microwave Irradiation
15.45 - 16.00	Janiar Pitulima	Technical Evaluation of Associated Tin Minerals Processing at Bidang Pengolahan Mineral (BPM) Unit Metalurgi Muntok PT Timah Tbk
16.00 - 16.15	Hannah Natasha Andjani	Acute Oral Toxicity Test of Nicotiana tabacum L. Bio-Oil Against Female Wistar Rats
16.15 - 16.30	Ristika Oktavia Asriza	Thermal degradation of High-Density Polyethylene Containing Cobalt Stearate as Oxidant Additive
16.30 - 16.45	Tastapyani Kurnia Nufutomo	Identification of Bacteria as Water Pollutant Source in Embung (Retention Basin) Way Margodadi, South Lampung
16.45 - 17.00	Fitri Afriani	Synthesis and Characterization of Hydroxyapatite/Silica Composites Based on Cocker Shells Waste and Tin Tailings

# TANJUNG KELAYANG

Moderator: 1. Firlya Rosa, S.S.T., M.T.  
2. Verry Andre Fabiani, S.Si., M.Si.

Tuesday, September 3rd, 2019		
Time	Author	Title
13.30 - 13.45	M. E. Apriansyah	Analysis of Harmonic Effect of Solar Power Plant Using ETAP Software: Study in Lombok System
13.45 - 14.00	R. Priyoko Prayitnoadi	Essential Oil Processing of Pepper Process with Aluminium Condenser
14.00 - 14.15	Irma Akhrianti	The Study Of Morfometric and Meristic of Yellow Tail Fish Landed In Nusantara Fishery Harbour Of Sungailiat, Bangka Regency
14.15 - 14.30	H. Bimantoro	Utilization of Rooftop Area on Building K Faculty of Engineering Universitas Indonesia for Grid-Connected PV
14.30 - 14.45	Budi Santoso Wibowo	The Effect of Temperature and Twist Ratio from Twisted Tape Insert to Power Pumping in Calor Exchange Tools of Concentric Pipes of Annular Channel using Nanofluid TiO <sub>2</sub> with Basic Fluid Heat Transfer Oil (TERMO XT32)
14.45 - 15.00	Daud Nawir	Decision-Making Analysis of Road Maintenance in North Kalimantan Region using Fuzzy Logic (Case Study: Liang Bunyu Street Section, West Sebatik Sub-District, Nunukan District)
15.00 - 15.30		Coffee Break
15.30 - 15.45	Dwi Novitasari	"Sekolah Hijau", an Efforts to Maintain the Sustainability of Renewable Energy System in Rural Area
15.45 - 16.00	Aliefia Noor	Synthesis of Aluminum Oxide Nanoparticles Using Egg White as Additives
16.00 - 16.15	Vigestha Repit	Aplication of Mulch and Palm Oil Waste To Growth of Mustard (Brassica sp.) with Intercropping System in Post-Tin Mining Area
16.15 - 16.30	Sito Enggiwanto	Antibacterial Effectiveness Of Formulations Nanoemulsion Cratoxylum Glaucum Extract
16.30 - 16.45	Desy Yuliana Dalimunthe	Projection and Analysis of Indonesia's Economic Growth Rate on National Energy Consumption Levels through Exponential Smoothing Approach
16.45 - 17.00	Eko Prihartanto	Environmental Risk Analysis of Road Improvement in Tarakan City