

## Technical Program Schedule (Times in Local Western Indonesia Time)

### DAY 1 (Wednesday, 29 September 2021)

Time	Description	Zoom	
08:00 – 08:30	Registration	AIC	
08:30 – 08:45	Opening by MC & Prayers (Reciting Qur'an, SeulawatBadar, Pray)	AIC	
08:45 – 08:55	Singing the National Anthem of Indonesia (Indonesia Raya)	AIC	
08:55 – 09:00	Profile of Universitas Syiah Kuala	AIC	
09:00 – 09:10	Welcoming Remark by the Conference Director (Dr. Iskandar Abdul Samad, S.Pd., M.A.)	AIC	
09:10 – 09:20	Welcoming Remark by the Rector of Universitas Syiah Kuala (Prof. Dr. Ir. Samsul Rizal, M.Eng.)	AIC	
09:20 – 09:30	Photo session and break	AIC	
09:30 – 10:15	Prof. Siti Azizah Mohd Nor (Universiti Malaysia Terengganu, Malaysia) "DNA barcoding" interpreting molecular evidence towards sustainable utilization of natural resources"	AIC Moderator: Elizar, Ph.D.	
10:15 – 11:00	Prof. A. Min Tjoa (Vienna University of Technology, Vienna)		
11:00 – 11:30	Discussion	AIC	
11:30 – 12:15	INVITED SESSION (Parallel) and Discussion	Drs. Hawis Madduppa, B.Sc., M.Sc. (Institut Pertanian Bogor, Indonesia) "Exploring health of the ocean ecosystem using hybrid nextgen biomonitoring"	SE Moderator: Dr. Nur Fadli, S.Pi., M.Sc.
		Prof. Amirul Mukmininin, S.Pd., M.Sc.Ed., Ph.D. (Universitas Syiah Kuala, Indonesia) "Research on Social Sciences during the Rapid, Unpredictable, and 'Forced' Transition of the Covid-19 Pandemic: Complex Challenges and Unexpected Opportunities"	SS Moderator: Dr. Ratna Mulyany, BACC, MSACC
		Prof. Dr. Muhammad Roil Bilad (Universiti Brunei Darussalam, Brunei Darussalam) "Fabrication, properties, and application of polymeric permeable film for sustainable process"	SE Moderator: Dr. Eng. Ir. Sugiarto, S.T., M.Eng, IPM
12:15 – 13:30	Break	AIC	
13:30 – 15:00	Parallel Session 1	SE/SS/ELS	
15:00 – 16:00	Parallel Session 2	SE/SS/ELS	
16:00 – 16:30	Break	AIC	
16:30 – 18:00	Parallel Session 3	SE/SS/ELS	

## DAY 2 (Thursday, 30 September 2021)

Time	Description	Zoom
08:00 – 08:15	Registration	AIC
08:15 – 10:00	Parallel Session 4	SE/SS/ELS
10:00 – 11:00	Parallel Session 5	SE/SS/ELS
11:00 – 11:45	Prof. Dr Michele Notari (University of Teacher Education, Switzerland) “Technology and education → Teacher matters”	AIC Moderator: Dr. Iskandar Abdul Samad, S.Pd., M.A.
11:45 – 12:00	Discussion	AIC
12:00 – 13:30	Break	AIC
13:30 – 14:30	Parallel Session 6	SE/SS/ELS
14.30 – 15.00	Exhibition PRP-PMRI	PRP-PMRI
15.30 – 15.50	Announcement of best papers and best presenters	AIC
15:50 – 16:00	Closing remark by the head of Institute for Research and Community Services (Prof. Dr. Taufik Fuadi Abidin, S.Si., M.Tech.)	AIC

## Parallel Session Schedule (Oral Presentation) (Times in Local Western Indonesia Time)

### ROOM SE 1

**Time** : September 29, 2021 / 13.30 – 15:00 WIB

**Session Chair (Moderator)** : Dr. Syawaliyah Muchtar

Time	Papers and Presenters	Paper Code
13:30 – 13:40	A model for improving on-time delivery rates through MRP, TPM and SLP in the modular construction industry <b>Alisson Luyo</b>	4639
13:40 – 13:50	Quality assurance model using lean manufacturing and ERC work motivation to reduce the rate of defective production of a footwear SME <b>R Cuadros-Lopez</b>	4523
13:50 – 14:00	Uniaxial stress-strain behavior for material pavement stabilization by using zeolite <b>Munirwansyah</b>	4525
14:00 – 14:10	Economic feasibility studies in Keude Seumot irrigation project <b>Zakia</b>	4624
14:10 – 14:20	Glycine-modified chitosan beads: Preparation, characterization, and potential applications in pharmaceuticals, bio-medicine, forensics and wastewater treatment <b>Rahmi</b>	4537
14:20 – 14:30	Investigating motorcyclists unsafe driving behaviors contributing factors using driving behavior inventory <b>Lulusi Lulusi</b>	4397
14:30 – 14:40	Analysis of service quality of Trans Koetaradja electric feeder bus using importance performance analysis <b>Khalisha Zahra</b>	4656
14:40 – 14:50	The risk occurrence index to the operational of construction consultant during pandemic Covid-19 <b>Mubarak Mubarak</b>	4449
14:50 – 15:00	-	-

**ROOM SE 2****Time : September 29, 2021 / 15:00 – 16:00 WIB****Session Chair (Moderator) : Dr. Bambang Setiawan**

<b>Time</b>	<b>Papers and Presenters</b>	<b>Paper Code</b>
15:00 – 15:10	Analysis of the effect of alkalization treatment on mechanical strength of straw-epoxy fiber composites <b>Milawarni Milawarni</b>	4561
15:10 – 15:20	Prediction of energy output from on-grid solar photovoltaic system on building roof top at Universitas Syiah Kuala <b>Suriadi</b>	4659
15:20 – 15:30	Stress and strain analysis on UAV hexacopter frame using finite element method <b>Husaini</b>	4421
15:30 – 15:40	A fuzzy logic- and forecast-based purchase times reduction model for Pharmaceuticals <b>Jhonny Gomez-Tafur</b>	4638
15:40 – 15:50	A quality model based on Lean Service Quality philosophy and the PMBOK to reduce non-compliant products from a retail store in Peru <b>D Ruiz-Ocampo</b>	4524
15:50 – 16:00	-	-

**ROOM SE 3****Time : September 29, 2021 / 16:30 – 18:00 WIB****Session Chair (Moderator) : Dr. Ikramullah**

<b>Time</b>	<b>Papers and Presenters</b>	<b>Paper Code</b>
16:30 – 16:40	Lean planning model to reduce returns of heat-sensitive products in a Peruvian chemical-pharmaceutical company <b>P Machuca-Vasquez</b>	4522
16:40 – 16:50	Effect of cultivation and extraction methods on biomass and oil yield from microalga and yeast <b>Sri Haryani Anwar</b>	4546
16:50 – 17:00	Preparation and characterization of Chitosan-Glutamic Acid/TiO <sub>2</sub> film for Methylene Blue removal <b>H Fathana</b>	4434
17:00 – 17:10	Characteristics and performances of hydrophobic polymer membrane modified with dragon's blood resin (DBR) <b>A C Ambarita</b>	4620
17:10 – 17:20	A production service management model using lean tools to increase productivity in an agro-export company <b>Heissell Ramos-Leon</b>	4640
17:20 – 17:30	A model for increase efficiency through total productive maintenance at a palm oil extraction plant <b>Christopher Alegria-Vivanco</b>	4588
17:30 – 17:40	Design of an efficiency optimization model at a Metalworking SME Company using lean manufacturing tools <b>Melissa Jaque-Vasquez</b>	4587
17:40 – 17:50	-	-
17:50 – 17:00	-	-

**Room SE4 -A****Time : September 30, 2021 / 08:15 – 10:00 WIB****Session Chair (Moderator) : Israr, S.T., M.Sc., Ph.D.**

<b>Time</b>	<b>Papers and Presenters</b>	<b>Paper Code</b>
08:15 – 08:25	Inventory management based on the DDMRP methodology at a non-metallic mining processing plant in Peru <b>Carlos Andrade-Talavera</b>	4589
08:25 – 08:35	Process improvement model based on lean manufacturing and Kaizen to increase machine availability at a plastics company <b>N Caso-Murillo</b>	4599
08:35 – 08:45	Analysis work time load administrative workers using full-time equivalent <b>Gisya Amanda Yudhistira</b>	4619
08:45 – 08:55	Application of the lean service methodology, a study applied at a media company in Lima, Peru <b>Farith Palacios</b>	4628
08:55 – 09:05	Production system improvement at a textile SME in Peru using the 5S, TPM, and JIT lean manufacturing tools <b>Luis Grande-Rios</b>	4629
09:05 – 09:15	The analysis of the failure of leaf spring used as the rear suspension system in 110 PS diesel trucks <b>Husaini</b>	4355
09:15 – 09:25	Failure analysis of the rear driveshaft using experimental and analytical methods <b>Husaini</b>	4407
09:25 – 09:35	The resistance of high strength concrete with diatomaceous earth exposed to high temperatures <b>Muttaqin Hasan</b>	4327
09:35 – 09:45	Modeling SO <sub>2</sub> degassing of the 1990-1992 unrest in Mount Merapi using telemetric monitoring data <b>R M Situmorang</b>	4369
09:45 – 09:55	Mechanical properties of hybrid composites reinforced with oil palm empty fruit bunches/fly ash <b>Sri Aprilia</b>	4330
09:55 – 10:00	-	-

**Room SE4-B****Time : September 30, 2021 / 08:15 – 10:00 WIB****Session Chair (Moderator) : Amir Zakir Mubarak, S.T., M.Sc.**

<b>Time</b>	<b>Papers and Presenters</b>	<b>Paper Code</b>
08:15 – 08:25	A management indicator model for auto part distribution companies using lean tools <b>Alexandra Hidalgo-Villanueva</b>	4631
08:25 – 08:35	Method for increasing on-time dispatch numbers at a distribution center for mass consumption products through DMAIC-based slotting <b>Jhon Pusari-Quispe</b>	4632
08:35 – 08:45	Lean manufacturing application model to reduce order delivery delays at a metalworking company <b>Maria Rodríguez-Valdivia</b>	4633
08:45 – 08:55	Exploring a collaborative model in quinoa supply chain <b>Fernanda Salazar</b>	4634
08:55 – 09:05	A production process efficiency improvement model at a MSME Peruvian metalworking company <b>Luis Del Rosario-Malasquez</b>	4635
09:05 – 09:15	The influence of scramble-type cooperative model on students' learning achievement on whole number calculation material at grade IV class of SDN 3 Banda Aceh <b>Monawati</b>	4650
09:15 – 09:25	Improving Students' Learning Achievement on Whole Number Operation Material Using Stad Cooperative Learning Model at Primary Teaching Education of USK <b>Monawati</b>	4651
09:25 – 09:35	Evaluation of clean production application in a palm oil mill: A case study at the palm oil factory in Nagan Raya, Aceh <b>Sri Mulyati</b>	4647
09:35 – 09:45	Thermal properties of spent coffee ground biocomposite using epoxy resin matrix <b>Ismail Ismail</b>	4538
09:45 – 09:55	Tuberculous colitis and Cytomegalovirus colitis in patients with diabetes mellitus <b>Raja Merlinda Veronic</b>	4417
09:55 – 10:00	-	-

**ROOM SE 5****Time : September 30, 2021 / 10.00 – 11:00 WIB****Session Chair (Moderator) : Raihan Dara Lufika, S.T., M.Sc.**

<b>Time</b>	<b>Papers and Presenters</b>	<b>Paper Code</b>
10:00 – 10:10	A possibility scenario of tsunami run-up model in Aceh from potential major earthquake in the northern part of Sumatra <b>I Nurana</b>	4464
10:10 – 10:20	Seismic vulnerability based on microtremor data with HVSR method in Krueng Raya, Aceh Besar <b>Yusran Asnawi</b>	4465
10:20 – 10:30	Sedimentary aquifer accessing using 2-D resistivity imaging, case study: Blang Bintang, Aceh Besar <b>Muhammad Syukri</b>	4440
10:30 – 10:40	Liquefaction analysis on three-dimensional sand shading relief layer contours due to earthquake acceleration <b>Munirwansyah</b>	4529
10:40 – 10:50	Effect of earthquake load and traffic load on slope stability on Meulaboh – Banda Aceh road sections km 37+000 and km 39+700 with facing and geogrid reinforcement alternative using Plaxis 8.6 software <b>Munirwansyah</b>	4566
10:50 – 11:00	-	-



**ROOM SE 6**

**Time** : September 30, 2021 / 13.30 – 14:30 WIB  
**Session Chair (Moderator)** : Muhammad Bahi, S.Si., M.Sc., Ph.D.

<b>Time</b>	<b>Papers and Presenters</b>	<b>Paper Code</b>
13:30 – 13:40	Proposal for the optimization of the reception flow at a domestic air cargo warehouse based on the lean service methodology <b>Mauricio A. Gonzales-Boggiano</b>	4742
13:40 – 13:50	A 5S Model aimed at increasing the production of critical products at a small bakery in Lima, Peru <b>Suzanne Pedraz-Fourage</b>	4641
13:50 – 14:00	Development red seaweed based ( <i>Gracilaria verrucosa</i> Greville) polyurethane membrane <b>Salfauqi Nurman</b>	4478
14:00 – 14:10	The addition of nutmeg ( <i>Myristica Fragrans</i> ) essential oil to intensify the aroma as a replacement of rum considering halal supply chain for cookies that use durian ( <i>Durio Zibethinus</i> ) seeds waste-based flour to create sustainable advantages <b>Z Mahyiddin</b>	4454
14:10 – 14:20	Adsorbent activity of pectin and activated charcoal from pineapple peel waste as biosorbent against heavy metals and dyes <b>Nerdy Nerdy</b>	4443
14:20 – 14:30	-	-