

40. Quality Deterioration and Shelf Life Estimation of Corn Yogurt was Packaged by Glass Bottle

Prosiding terindeks

Advanced Science Letters

Vol 23, no 6, Juni 2017

1. Cover
2. Editor
3. Daftar isi
4. Artikel
5. Indexing
6. Undangan,
7. Sertifikat,
8. Bukti korespondensi,
9. Committee
10. Jadwal
11. Turnitin

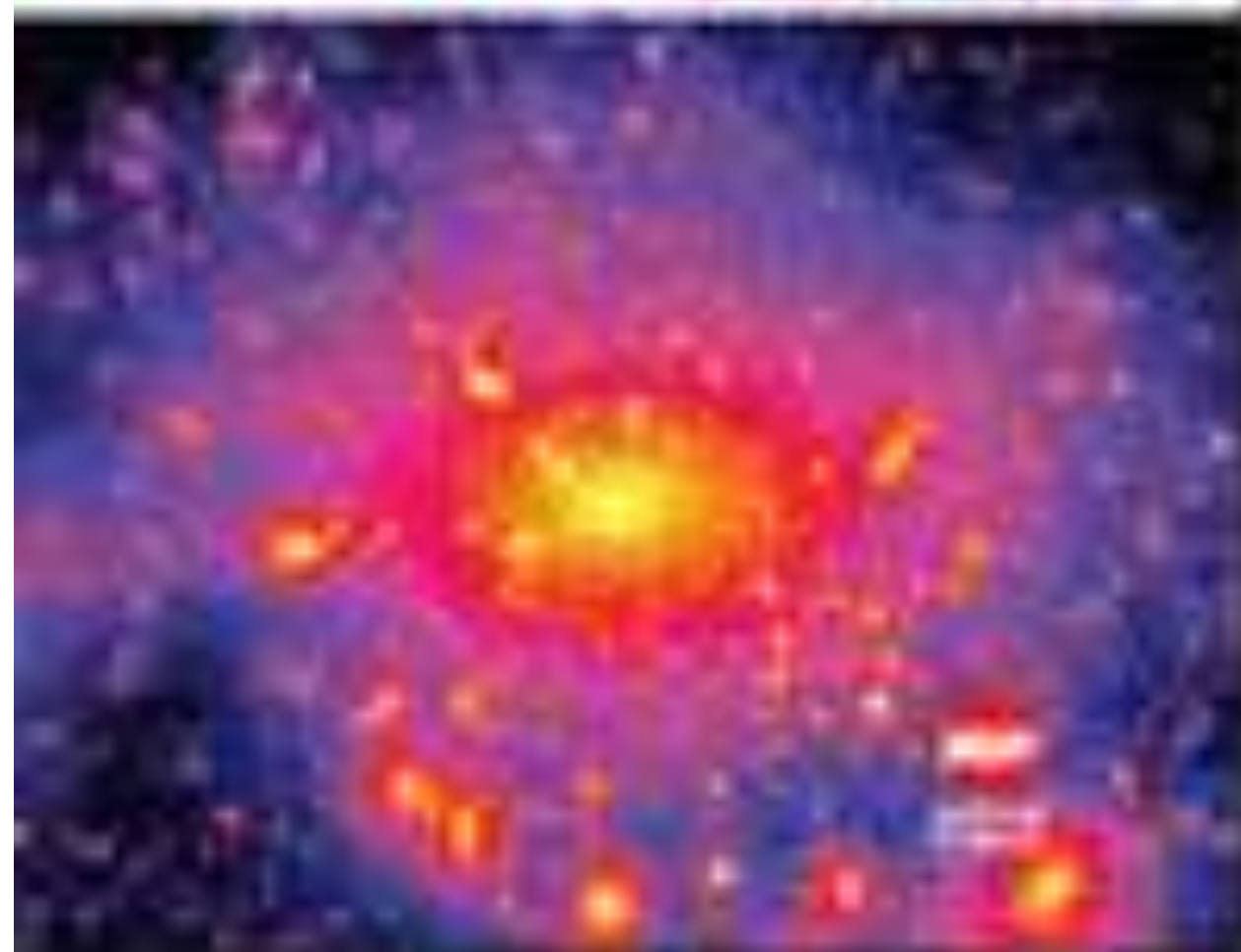
Volume 100 Number 1

June 2000

Editorial Board

SCIENCE

LETTERS



ingentaconnect.com/content/asp/asl/2017/00000023/00000006



Selected Peer-Reviewed Articles from the 1st International Conference on Chemical Process and Product Engineering 2016 (ICCPPE 2016), Semarang, Indonesia, 14-15 September, 2016

pp. 5587-5589(3)

Authors: Kumoro, Andri Cahyo; Tsai, Shen Long; Hadiyanto; Tsotsas, Evangelos; Jos, Bakti; Pramudono, Bambang; Djaeni, M; Istadi; Ilyas, Rosli; Kawasaki, Shin-Ichiro

Favourites:
♥ ADD

Development of Natural Kaolin as Catalyst for Biodiesel Production

pp. 5590-5594(5)

Authors: Widayat; Okvitarini, Ndaru

Favourites:
♥ ADD

Effect of Voltages on Performance of Hybrid Catalytic-Plasma Reactor for Biodiesel Synthesis Over 5%K₂O/CaO-ZnO Catalyst

pp. 5595-5597(3)

Authors: Buchori, Luqman; Istadi, I; Purwanto, P

Favourites:
♥ ADD

Carbon Nanodots Produced from Water Hyacinth: Development Method and Photocatalytic Performance

pp. 5598-5601(4)

Authors: Kusumawati, Endang; Amrulah, Sidna Kosim; Asmalah, Nur; Nirwantoro, Dwi; Haryadi

Favourites:
♥ ADD

Characterization and Testing of Zeolite Y Dealuminate Catalysts for Glycerol Conversion to Glycerol Mono Laurate

pp. 5602-5604(3)

Favourites:
♥ ADD

Cookie P

Ingenta C
website n
cookies s
track of d
have filled

I am H

Find e

Phenomenological Modeling of a Fluidized-Bed Reactor for Catalytic Decomposition of Methane

pp. 5605-5608(4)

Authors: *Muharam, Yuswan; Hendrik*

Favourites:
♥ ADD

Prediction of the Effects of the Inlet Velocity and the Reactor Length on the Performance of a Trickle-Bed Reactor for Renewable Diesel Production

pp. 5609-5614(6)

Authors: *Muharam, Yuswan; Nugraha, Osman Abhimata*

Favourites:
♥ ADD

A Study of Ratio and Size H-Zeolite Catalyst for Biolubricant Oil Production Through Three Stages Processes: Transesterification, Epoxidation and Ring Opening Modification

pp. 5615-5618(4)

Authors: *Jos, Bakti; Utomo, Melati Mahardhika Putri; Susilowati; Sumardiono, Siswo*

Favourites:
♥ ADD

A Study on the Adsorption Equilibrium and Kinetics of Methylene Blue Using Waste Egg Shells

pp. 5619-5622(4)

Authors: *Arie, Arenst Andreas; Angelina, Steffi; Riviani*

Favourites:
♥ ADD

Swelling Capacity of Glucomannan from *Amorphophallus oncophyllus* Purified with Enzymatic Hydrolysis

pp. 5623-5625(3)

Favourites:
♥ ADD

Extraction Characteristics of Anthocyanin from Roselle (*Hibiscus sabdariffa* L.) Calyces by Ultrasound-Assisted Extraction

pp. 5626-5628(3)

Authors: *Aryanti, Nita; Wardhani, Dyah Hesti; Wasi, Abdul; Ramadhan, Ghafa Al; Purbasari, Aprilina*

Favourites:
♥ ADD

The Utilization Bayah Natural Zeolit, Bentonit, and Fly Ash as Adsorbent for Reduction Acid Number Level of Glycerol Monooleate

pp. 5629-5632(4)

Authors: *Sari, Denni Kartika; Kustiningsih, Indar; Nazilah, Rochmatun; Rinawati*

Favourites:
♥ ADD

The Effect of Egg White on Moisture Diffusivity in Roselle Extract Drying Under Various Temperatures

pp. 5633-5636(4)

Authors: *Triyastuti, M. S; Djaeni, M*

Favourites:
♥ ADD

Parameter Estimation of Roselle Extract Drying with Foaming Agent

pp. 5637-5639(3)

Authors: *Djaeni, Mohamad; Utari, Febiani Dwi; Rahardjo, Hadiyono Sugeng; Triyastuti, Meilya Suzan*

Favourites:
♥ ADD

Mechanism of Ion Transfer in Electrodeionization (EDI) System

pp. 5640-5642(3)

Authors: *Hakim, A. N; Khoiruddin; Wenten, I. G*

Favourites:
♥ ADD

CaSO₄ Scale Inhibition by Trace Amount of Cu(II) Ion

pp. 5643-5646(4)

Authors: Mangestiyono, W; Sutrisno; Ariwibowo, D; Yulianto, E; Setyoko, B

Favourites:

♥ ADD

The Influence of Flow Rate on CaSO₄ Deposition in Piping System

pp. 5647-5649(3)

Authors: Mangestiyono, W; Sutrisno; Ariwibowo, D; Yulianto, E; Handayani, S. U

Favourites:

♥ ADD

The Influence of Operating Conditions on Drying Curve of Cassava Starch in Pneumatic Dryer

pp. 5650-5652(3)

Authors: Suherman, Suherman; Kumoro, Andri Cahyo; Kusworo, Tutuk Djoko; Hidayati, Nur

Favourites:

♥ ADD

Modeling and Simulation of Salt Drying Using Rotary Dryer

pp. 5653-5656(4)

Authors: Darmawan, Zaky; Altway, Ali; Susianto

Favourites:

♥ ADD

Modelling and Simulation of Binary Fluid Mixture Droplet Evaporation Using Molecular Dynamics Method

pp. 5657-5662(6)

Authors: Sumardiono, Siswo; Fischer, Johann

Favourites:

♥ ADD

Measurement and Modeling of Drying Kinetics of PVC Powder

pp. 5663-5665(3)

Favourites:

♥ ADD

The Effect of Fermentation Time and Addition of CMC to Decrease of Lignin Content in Fermentation of Patchouli Leaves Using *Phanerochaete chrysosporium*

pp. 5666-5668(3)

Authors: Rulianah, Sri; Profiyanty, H. S; Maryanty, Yanty; Irawan, Bambang

Favourites:

♥ ADD

The Degradation of Cellulose in the Fermentation of Patchouli Leaves Using *Phanerochaete chrysosporium*

pp. 5669-5671(3)

Authors: Suharti, Profiyanti H; Rulianah, Sri; Maryanty, Yanty; Irawan, Bambang; Chen, Frederick; Tsai, Ming-Jinn

Favourites:

♥ ADD

Enzymatic Hydrolysis of Bitter Cassava and *Dioscorea hispida* Dennst Starches for Reducing Sugar Production at Low Temperature

pp. 5672-5674(3)

Authors: Hargono; Jos, Bakti; Kumoro, Andri Cahyo

Favourites:

♥ ADD

Hydrolysis of Chitosan Using Cellulase Enzyme with Addition of Polyethylene Glycol

pp. 5675-5677(3)

Authors: Rokhati, N; Susanto, H; Waskito, M; Rahmawati, R; Pramudono, B

Favourites:

♥ ADD

The Effect of Substrate Modification on Xanthan Gum Production by Aerobic Fermentation Method

Favourites:

♥ ADD

Selected Peer-Reviewed Articles from the TST International Conference on Chemical Process and Product Engineering 2016 (ICCPPE 2016), Semarang, Indonesia, 14–15 September, 2016
pp. 5587-5589(3)

Authors: Kumoro, Andri Cahyo; Tsai, Shen Long; Hadiyanto; Tsotsas, Evangelos; Jos, Bakti; Pramudono, Bambang; Djaeni, M; Istadi; Ilyas, Rosli; Kawasaki, Shin-Ichiro

♥ ADD

Development of Natural Kaolin as Catalyst for Biodiesel Production
pp. 5590-5594(5)

Authors: Widayat; Okvitarini, Ndaru

Favourites:
♥ ADD

Effect of Voltages on Performance of Hybrid Catalytic-Plasma Reactor for Biodiesel Synthesis Over 5%K₂O/CaO–ZnO Catalyst
pp. 5595-5597(3)

Authors: Buchori, Luqman; Istadi, I; Purwanto, P

Favourites:
♥ ADD

Carbon Nanodots Produced from Water Hyacinth: Development Method and Photocatalytic Performance
pp. 5598-5601(4)

Authors: Kusumawati, Endang; Amrulah, Sidna Kosim; Asmalah, Nur; Nirwantoro, Dwi; Haryadi

Favourites:
♥ ADD

Characterization and Testing of Zeolite Y Dealuminate Catalysts for Glycerol Conversion to Glycerol Mono Laurate
pp. 5602-5604(3)

Authors: Anggoro, Didi Dwi; Setianto, Wahyu B; Wibowo, Triyogo; Buchori, Luqman; Pratama, Fadhil R; Giovanni, Antonio

Favourites:
♥ ADD

Phenomenological Modeling of a Fluidized-Bed Reactor for Catalytic Decomposition of Methane
pp. 5605-5608(4)

Favourites:
♥ ADD

<p>Prediction of the Effects of the Inlet Velocity and the Reactor Length on the Performance of a Trickle-Bed Reactor for Renewable Diesel Production pp. 5609-5614(6) Authors: Muharam, Yuswan; Nugraha, Osman Abhimata</p>	<p>Favourites: ♥ ADD</p>	
<p>A Study of Ratio and Size H-Zeolite Catalyst for Biolubricant Oil Production Through Three Stages Processes: Transesterification, Epoxidation and Ring Opening Modification pp. 5615-5618(4) Authors: Jos, Bakti; Utomo, Melati Mahardhika Putri; Susilowati; Sumardiono, Siswo</p>	<p>Favourites: ♥ ADD</p>	
<p>A Study on the Adsorption Equilibrium and Kinetics of Methylene Blue Using Waste Egg Shells pp. 5619-5622(4) Authors: Arie, Arenst Andreas; Angelina, Steffi; Riviani</p>	<p>Favourites: ♥ ADD</p>	
<p>Swelling Capacity of Glucomannan from <i>Amorphophallus oncophyllus</i> Purified with Enzymatic Hydrolysis pp. 5623-5625(3) Authors: Wardhani, Dyah Hesti; Aryanti, Nita; Ramdani, Dimas Akbar; Lutfiati, Annisa</p>	<p>Favourites: ♥ ADD</p>	
<p>Extraction Characteristics of Anthocyanin from Roselle (<i>Hibiscus sabdariffa</i> L.) Calyces by Ultrasound-Assisted Extraction pp. 5626-5628(3) Authors: Aryanti, Nita; Wardhani, Dyah Hesti; Wasi, Abdul; Ramadhan, Ghafa Al; Purbasari, Aprilina</p>	<p>Favourites: ♥ ADD</p>	
<p>The Utilization Bayah Natural Zeolit, Bentonit, and Fly Ash as Adsorbent for Reduction Acid Number Level of Glycerol Monooleate pp. 5629-5632(4)</p>	<p>Favourites: ♥ ADD</p>	

The Effect of Egg White on Moisture Diffusivity in Roselle Extract Drying Under Various Temperatures

pp. 5633-5636(4)

Authors: Triyastuti, M. S; Djaeni, M

Favourites:
♥ ADD

Parameter Estimation of Roselle Extract Drying with Foaming Agent

pp. 5637-5639(3)

Authors: Djaeni, Mohamad; Utari, Febiani Dwi; Rahardjo, Hadiyono Sugeng; Triyastuti, Meilya Suzan

Favourites:
♥ ADD

Mechanism of Ion Transfer in Electrodeionization (EDI) System

pp. 5640-5642(3)

Authors: Hakim, A. N; Khoiruddin; Wenten, I. G

Favourites:
♥ ADD

CaSO₄ Scale Inhibition by Trace Amount of Cu(II) Ion

pp. 5643-5646(4)

Authors: Mangestiyono, W; Sutrisno; Ariwibowo, D; Yulianto, E; Setyoko, B

Favourites:
♥ ADD

The Influence of Flow Rate on CaSO₄ Deposition in Piping System

pp. 5647-5649(3)

Authors: Mangestiyono, W; Sutrisno; Ariwibowo, D; Yulianto, E; Handayani, S. U

Favourites:
♥ ADD

The Influence of Operating Conditions on Drying Curve of Cassava Starch in Pneumatic Dryer

pp. 5650-5652(3)

Authors: Suherman, Suherman; Kumoro, Andri Cahyo; Kusworo, Tutuk Djoko; Hidayati, Nur

Favourites:
♥ ADD

Modeling and Simulation of Salt Drying Using Rotary Dryer

pp. 5653-5656(4)

Favourites:
♥ ADD

Modeling and Simulation of Binary Fluid Mixture Droplet Evaporation Using Molecular Dynamics Method pp. 5657-5662(6) Authors: Sumardiono, Siswo; Fischer, Johann	♥ ADD
Measurement and Modeling of Drying Kinetics of PVC Powder pp. 5663-5665(3) Authors: Suherman, Suherman; Peglow, Mirko; Tsotsas, Evangelos	Favourites: ♥ ADD
The Effect of Fermentation Time and Addition of CMC to Decrease of Lignin Content in Fermentation of Patchouli Leaves Using Phanerochaete chrysosporium pp. 5666-5668(3) Authors: Rulianah, Sri; Profiyanty, H. S; Maryanty, Yanty; Irawan, Bambang	Favourites: ♥ ADD
The Degradation of Cellulose in the Fermentation of Patchouli Leaves Using <i>Phanerochaete chrysosporium</i> pp. 5669-5671(3) Authors: Suharti, Profiyanti H; Rulianah, Sri; Maryanty, Yanty; Irawan, Bambang; Chen, Frederick; Tsai, Ming-jinn	Favourites: ♥ ADD
Enzymatic Hydrolysis of Bitter Cassava and <i>Dioscorea hispida</i> Dennst Starches for Reducing Sugar Production at Low Temperature pp. 5672-5674(3) Authors: Hargono; Jos, Bakti; Kumoro, Andri Cahyo	Favourites: ♥ ADD
Hydrolysis of Chitosan Using Cellulase Enzyme with Addition of Polyethylene Glycol pp. 5675-5677(3) Authors: Rokhati, N; Susanto, H; Waskito, M; Rahmawati, R; Pramudono, B	Favourites: ♥ ADD

- The Effect of Substrate Modification on Xanthan Gum Production by Aerobic Fermentation Method
pp. 5678-5680(3)
Authors: *Djenar, Nancy Siti; Mulyono, Edi Wahyu Sri*

- The Influence of Fe²⁺ Ion Concentration in Linear Alkylbenzene Sulfonate Degradation Using Contact Glow Discharge Electrolysis
pp. 5681-5683(3)
Authors: *Saksono, Nelson; Febiyanti, Irine Ayu; Puspita, Indah; Kartohardjono, Sutrasno*

- Graphene Based Nanofiltration for Mercury Removal from Aqueous Solutions
pp. 5684-5686(3)
Authors: *Makertihartha, I. G. B. N; Rizki, Zulhaj; Zunita, Megawati; Dharmawijaya, Putu Teguh*

- The Influence of Enzymatic Pretreatment and Food to Microorganism (F/M) Ratio to Biogas Production from Rice Husk Waste During Solid State Anaerobic Digestion (SS-AD)
pp. 5687-5690(4)
Authors: *Syafrudin; Nugraha, Winardi Dwi; Matin, Hashfi Hawali Abdul; Kencanawardhani, Larasati Gumilang; Budiyo*

- The Characteristic of Pineapple Waste from Canning Industry
pp. 5691-5693(3)
Authors: *Abdullah; Mat, H. B*

- Performance of an 3-Stage Anaerobic Baffled Reactor (ABR) in the Treatment of Food Wastewater Containing Preservative Substances
pp. 5694-5697(4)
Authors: *Sumantri, Indro; Budiyo, B; Purwanto, P*

- Favourites:
♥ ADD
- Favourites:
♥ ADD
- Favourites:
♥ ADD
- Favourites:
♥ ADD
- Favourites:
♥ ADD
- Favourites:
♥ ADD

Hydrophilic Polypropylene Membrane for Biomedical Application

pp. 5713-5715(3)

Authors: Ariono, Danu; Wardani, Anita Kusuma

Favourites:

♥ ADD

Synthesis Tert-Butyl Oleyl Glycosides Surfactant from Esterification Tert-Butyl Glycosides with Oleic Acids

pp. 5716-5719(4)

Authors: Pawignya, Harsa; Kusworo, Tutuk Djoko; Widianlara, I. G. N; Pramudono, Bambang

Favourites:

♥ ADD

The Effect of Temperature on Oxirane Oxygen in the Epoxidation of Rice Bran Oil Methyl Ester by Resin Catalyst

pp. 5720-5722(3)

Authors: Nugrahani, Ratri Ariatmi; Redjeki, Athiek Sri; Mentari, Yuti; Hasanah, Miftahul

Favourites:

♥ ADD

Synthesis and Characterization of Bamboo Ash Based Geopolymer Cement

pp. 5723-5725(3)

Authors: Purbasari, Aprilina; Samadhi, Tjokorde Walmiki; Bindar, Yazid

Favourites:

♥ ADD

Hydrogen Selective Layer for Dehydrogenation Membrane Reactor

pp. 5726-5728(3)

Authors: Makertihartha, I. G. B. N; Dharmawijaya, Putu Teguh; Zunita, Megawati; Wenten, I. Gede

Favourites:

♥ ADD

Fabrication of Electrospun Nanofiber from Waste Expanded Polystyrene for Aerosol Filtration Application

pp. 5729-5732(4)

Authors: Rajak, Abdul; Sandi, Ahzab; Hapidin, Dian Ahmad; Munir, Muhammad Miftahul; Iskandar, Ferry; Khairurrijal

Favourites:

♥ ADD

Effect of pH on Nano-Hydroxyapatite Synthesis from Chicken Eggshell

Prepared by Electrochemical Method

pp. 5733-5735(3)

Authors: Samsudin, Asep Muhamad; Hargono; Haryani, Kristinah; Satriadi, Hantoro; Ulya, Hana Nikma; Auladi, M. Akhsanil

Favourites:
♥ ADD

Effect of Current Density on Nano-Hydroxyapatite Synthesis from Chicken

Eggshell Using Electrochemical Method with Constant Direct Current (CDC)

pp. 5736-5738(3)

Authors: Samsudin, Asep Muhamad; Iskandar, Norman; Widodo, Didik Setiyo; Ulya, Hana Nikma; Auladi, M. Akhsanil

Favourites:
♥ ADD

Utilization of Lime Juice to Enhance Mechanical Performance of Sago-

Starch Based Biofilm Reinforced Chicken Feather Keratin

pp. 5739-5741(3)

Authors: Silviana; Zuhri, Latif Alfiyan; Muzakki, Mukti Maburur; Rahmawati, Adisty Kurnia; Marthasari, Annisa Ayu

Favourites:
♥ ADD

Producing Slow Release Granular Urea by Coating with Starch/Poly Vinyl

Alcohol in Fluid Bed Spraying

pp. 5742-5743(2)

Authors: Suherman, Suherman; Kumoro, Andri Cahyo; Rosyid, Fitri Asfari; Putra, Rezqi Dwi

Favourites:
♥ ADD

Effect of Ultraviolet on the Morphology and Performance of PES-Nano-

Silica Hybrid Membrane for Produced Water Treatment

pp. 5744-5747(4)

Authors: Kusworo, Tutuk Djoko; Aryanti, Nita; Widayat; Qudratun; Utomo, D. P

Favourites:
♥ ADD

Improvement of Separation Performance Cellulose Acetate Membrane via

Favourites:
♥ ADD

Improvement of Separation Performance Cellulose Acetate Membrane via Thermal Annealing and Dope Composition for Brackish Water Treatment from Jepara
pp. 5748-5750(3)
Authors: Kusworo, Tutuk Djoko; Budiyo; Rochyani, U. N. A; Sofiana, E

Favourites:
♥ ADD

Production of Activated Carbon from Coffee Grounds Using Chemical and Physical Activation Method
pp. 5751-5755(5)
Authors: Yuliusman; Nasruddin; Afdhol, Muhammad Khairul; Haris, Farandy; Amiliana, Rahmatika Alfia; Hanafi, Afdhal; Ramadhan, Imam Taufiq

Favourites:
♥ ADD

Preparation and Characterization of Nanosilica from Fly Ash as Filler in Polymer Electrolyte Membrane (PVDF/PVP/Silica)
pp. 5756-5758(3)
Authors: Laksono, Faris D. M; Fuady, Muhammad I. A; Jumari, Arif; Purwanto, Agus; Susanto, Heru; Widiasta, I. Nyoman; Dyartanti, Endah R

Favourites:
♥ ADD

Linear Polarization Resistance and Open Circuit Potential Studies for the Corrosion Behavior of $Ni_3(Si,Ti) + 4Al$ Intermetallic Compound in NaCl Solutions
pp. 5759-5761(3)
Authors: Priyotomo, Gadang; Kaneno, Yasuyuki

Favourites:
♥ ADD

The Influence of Polymerization Degree on Morphology and Electrochemical Properties of PVC-Based Heterogeneous Ion-Exchange Membrane
pp. 5762-5764(3)
Authors: Ariono, D; Khoiruddin; Subagjo; Wenten, I. G

Favourites:
♥ ADD

Enhancement of Hybrid SPEEK Based Polymer-Cyclodextrin Inorganic Membrane for Direct Methanol Fuel Cell Application
pp. 5765-5767(3)
Authors: *Hakim, Muhammad Fahmi; Kusworo, T. D*

♥ ADD

Membrane-Based Carbon Capture Technology: Challenges and Opportunities in Indonesia
pp. 5768-5771(4)
Authors: *Wenten, I. Gede; Khoiruddin; Himma, Nurul Faiqotul*

Favourites:
♥ ADD

Kinetics of Thiamine and Color Degradation in Onion Drying Under Various Temperatures
pp. 5772-5774(3)
Authors: *Djaeni, Mohammad; Arifin, Uma Fadzilia*

Favourites:
♥ ADD

Liquid Sugar Production from Red Sorghum Starch as Raw Material to Produce High Fructose Syrup (HFS)
pp. 5775-5779(5)
Authors: *Permanasari, Ayu Ratna; Yulistiani, Fitria; Djenar, Nancy Siti*

Favourites:
♥ ADD

Effect of Liquid Smoke and Carrageenan to Beef Meatball Texture
pp. 5780-5782(3)
Authors: *Widayat; Sujiono, Nurfika Arifiani*

Favourites:
♥ ADD

The Effect of Ozonation Process on Antibacterial Activity of κ -Carrageenan
pp. 5783-5785(3)
Authors: *Prasetyaningrum, Aji; Ratnawati; Jos, Bakti; Gunadi, A; Krisnanda, A*

Favourites:
♥ ADD

Uniformity of Fe Concentration: An Effort to Enhance Fortification Efficiency Using Mixing and Agitation Process

Favourites:
♥ ADD

Physicochemical Properties of Sago Starch Under Various Modification Process: An Overview

pp. 5789-5791(3)

Authors: Sumardiono, Siswo; Rakhmawati, Rizki Bintari

Favourites:
♥ ADD

Modification Chemical and Physical Modification of Cassava Starch Using Lactic Acid and Ethanol Under Oven and Solar Drying

pp. 5792-5795(4)

Authors: Sumardiono, Siswo; Djaeni, Mohamad; Jos, Bakti; Pudjihastuti, Isti; Abdallatif, Mohamed

Favourites:
♥ ADD

Quality Deterioration and Shelf Life Estimation of Corn Yogurt was Packaged by Glass Bottle

pp. 5796-5798(3)

Authors: Aini, Nur; Priharanto, Vincentius; Wijonarko, Gunawan; Astuti, Yuni; Maulina, Melda Ruth; Muthmainah

Favourites:
♥ ADD

Biofuel Production from Kapok Seed Oil with Catalytic Cracking Process by Using Microwave

pp. 5799-5802(4)

Authors: Said, Imam Noor; Rahmatillah, Nadya Auliani; Widayat

Favourites:
♥ ADD

Preliminary Study of Development Surfactant Sodium Ligno Sulfonate (SLS) from Waste Biomass in the Application of Enhanced Oil Recovery (EOR) Yield Increase in Production for Crude Oil Indonesia

pp. 5803-5805(3)

Authors: Priyanto, Slamet; Suherman; Istadi; Nugroho, Amin; Aji, Hapsoro Aruno; Pramudono, Bambang

Favourites:
♥ ADD

Aims and Scope
Editorial Board
Instructions for Authors
Contact Information
Subscription Information
Copyright Transfer Agreement
Indexed/Abstracted
Cover Library
Contents



Advanced Science Letters

ISSN: 1936-6612 (Print); EISSN: 1936-7317 (Online)
Copyright © 2000-2022 American Scientific Publishers. All Rights Reserved.

EDITORIAL BOARD

EDITOR-IN-CHIEF

Professor Ahmad Umar

Department of Chemistry, College of Science and Arts
Promising Centre for Sensors and Electronic Devices (PCSED)
Najran University, P.O. Box: 1988, Najran 11001, Kingdom of Saudi Arabia
Phone: +966-534-574-597
Fax: +966-7-5442-135
Email: advsci.asp@gmail.com

ASIAN EDITOR

Dr. Katsuhiko Ariga, PhD

Advanced Materials Laboratory
National Institute for Materials Science
1-1 Namiki, Tsukuba, Ibaraki 305-0044, JAPAN

ASSOCIATE EDITORS

Diederik Aerts (Quantum theory, Cognition, Evolution theory)
Brussels Free University, Belgium.

Yakir Aharonov (Physics, Quantum Physics)
School of Physics and Astronomy, Israel.

Peter C. Aichelburg (Gravitation)
University of Vienna, Austria.

Jim Al-Khalili (Foundations of Physics, Nuclear Reaction Theory)
University of Surrey, UK.

Jake Blanchard (Engineering Physics, Nuclear Engineering)
University of Wisconsin–Madison, USA.

Simon Baron-Cohen (Cognitive Neuroscience)
University of Cambridge, UK.

Franz X. Bogner (Cognitive Achievement)
University of Bayreuth, Germany.

John Borneman (Anthropology)
Princeton University, USA.

John Casti (Complexity Science)
Internationales Institut für Angewandte Systemanalyse, Austria.

Masud Chaichian (High Energy Physics, String Theory)
University of Helsinki, Finland.

Sergey V. Chervon (Gravitation, Cosmology, Astrophysics)
Ulyanovsk State Pedagogical University, Russia

Kevin Davey (Philosophy of Science)
University of Chicago, Chicago, USA.

Tania Dey (Colloids/Polymers/Nanohybrids)
Canada.

Roland Eils (Bioinformatics)
Deutsches Krebsforschungszentrum Heidelberg, Germany.

Thomas Görnitz (Quantum theory, Cosmology)
University of Frankfurt, Germany.

Bert Gordijn (Nanoethics, Neuroethics, Bioethics)
Radboud University Nijmegen, The Netherlands.

Ji-Huan He (Textile Engineering, Functional Materials)
Soochow University, Suzhou, China.

Nongyue He (Biosensors/Biomaterials)
China.

Irving P. Herman (Materials and Solid State Physics)
Columbia University, USA.

Dipankar Home (Foundations of Quantum Mechanics)
Bose Institute, Kolkata, India.

Jucundus Jacobeit (Climate, Global Change Ecology)
University of Augsburg, Germany.

Yuriy A. Kniel (Bioorganic Chemistry)
N. D. Zelinsky Institute of Organic Chemistry, Russia.

Arthur Konnerth (Neurophysiology, Molecular Mechanisms)
University of Munich, Germany.

G. A. Kourouklis (Physics Solid State Physics)
Aristotle University Thessaloniki, Greece.

Peter Krammer (Genetics)
Deutsches Krebsforschungszentrum Heidelberg, Germany.

Andrew F. Laine (Biomedical Engineering)
Columbia University, USA.

Minbo Lan (Organic Functional Materials)
China.

Martha Lux-Steiner (Physics, Materials Science)
Hahn-Meitner-Institut Berlin, Germany.

Klaus Mainzer (Complex Systems, Computational Mind, Philosophy of Science)
University of Augsburg, Germany.

JoAnn E. Manson (Medicine, Cardiovascular Disease)
Harvard University, USA.

Mark P. Mattson (Neuroscience)
National Institute on Aging, Baltimore, USA.

Lucio Mayer (Astrophysics, Cosmology)
ETH Zürich, Switzerland.

Karl Menten (Radioastronomy)
Max-Planck-Institut für Radioastronomie, Germany.

Yoshiko Miura (Biomaterials/Biosensors)
Japan.

Fred M. Mueller (Solid State Physics)
Los Alamos National Laboratory, USA.

Garth Nicolson (Illness Research, Cancer Cell Biology)
The Institute for Molecular Medicine, Huntington Beach, USA.

Nina Papavasiliou (DNA Mutators, Microbial Virulence, Antiviral Defence, Adaptive Immunity, Surface Receptor Variation)
The Rockefeller University, New York, USA.

Panos Photinos (Physics)
Southern Oregon University, USA.

Zhiyong Qian (Biomedical Engineering, Biomaterials, Drug Delivery)
Sichuan University, CHINA.

Reinhard Schlickeiser (Astrophysics, Plasma Theory and Space Science)
Ruhr-Universität Bochum, Germany.

Surinder Singh (Sensors/Nanotechnology)
USA.

Suprakas Sinha Ray (Composites/Polymer Science)
South Africa.

Koen Steemers (Architecture, Environmental Building Performance)
University of Cambridge, UK.

Shinsuke Tanabe (Environmental Chemistry and Ecotoxicology)
Ehime University, Japan.

James R. Thompson (Solid State Physics)
The University of Tennessee, USA.

Uwe Ulbrich (Climat, Meteorology)
Freie Universität Berlin, Germany.

Ahmad Umar (Advanced Materials)
Najran University, Saudi Arabia.

Frans de Waal (Animal Behavior and Cognition)
Emory University, USA.

EDITORIAL BOARD

Filippo Aureli, Liverpool John Moores University, UK

Marcel Ausloos, Université de Liège, Belgium

Martin Bojowald, Pennsylvania State University, USA

Sougato Bose, University College, London, UK

Jacopo Buongiorno, MIT, USA

Paul Cordopatis, University of Patras, Greece

Maria Luisa Dalla Chiara, University of Firenze, Italy

Dionysios Demetriou Dionysiou, University of Cincinnati, USA

Simon Eidelman, Budker Institute of Nuclear Physics, Russia

Norbert Frischauf, QASAR Technologies, Vienna, Austria

Toshi Futamase, Tohoku University, Japan

Leonid Gavrilov, University of Chicago, USA

Vincent G. Harris, Northeastern University, USA

Mae-Wan Ho, Open University, UK

Keith Hutchison, University of Melbourne, Australia

David Jishiaishvili, Georgian Technical University, Georgia

George Khushf, University of South Carolina, USA

Sergei Kulik, M.V.Lomonosov Moscow State University, Russia

Harald Kunstmann, Institute for Meteorology and Climate Research, Forschungszentrum Karlsruhe, Germany

Alexander Lebedev, Laboratory of Semiconductor Devices Physics, Russia

James Lindesay, Howard University, USA

Michael Lipkind, Kimron Veterinary Institute, Israel

Nigel Mason, Open University, UK

John Joe McFadden, University of Surrey, UK

B. S. Murty, Indian Institute of Technology Madras, Chennai, India

Shahab A. A. Nami, Aligarh Muslim University, India
Heiko Paeth, Geographisches Institut der Universität Würzburg, Germany
Matteo Paris, Università di Milano, Italia
David Posoda, University of Vigo, Spain
Paddy H. Regan, University of Surrey, UK
Leonidas Resvanis, University of Athens, Greece
Wolfgang Rhode, University of Dortmund, Germany
Derek C. Richardson, University of Maryland, USA
Carlos Romero, Universidade Federal da Paraíba, Brazil
Andrea Sella, University College London, London, UK
P. Shankar, Indira Gandhi Centre for Atomic Research, Kalpakkam, India
Surya Singh, Imperial College London, UK
Leonidas Sotiropoulos, University of Patras, Greece
Roger Strand, University of Bergen, Norway
Karl Svozil, Technische Universität Wien, Austria
Kit Tan, University of Copenhagen, Denmark
Roland Triay, Centre de Physique Théorique, CNRS, Marseille, France
Rami Vainio, University of Helsinki, Finland
Victor Voronov, Bogoliubov Laboratory of Theoretical Physics, Dubna, Russia
Andrew Whitaker, Queen's University Belfast, Northern Ireland
Lijian Xu, Hunan University of Technology, China
Alexander Yefremov, Peoples Friendship University of Russia, Russia
Avraam Ziliadis, University of Patras, Greece
Alexander V. Zolotaryuk, Ukrainian Academy of Sciences, Ukraine



Quality Deterioration and Shelf Life Estimation of Corn Yogurt was Packaged by Glass Bottle

Nur Aini*, Vincentius Prihananto, Gunawan Wijonarko, Yuni Astuti, Melda Ruth Maulina, and Muthmainah

Department of Agricultural Technology, Jenderal Soedirman University, Purwokerto, 53123, Indonesia

Packaging is an important factor to controlling the process of deterioration of food products, including determining the shelf life. Glass bottles are often used to package liquid products such as yogurt as well its mechanical resistance. The objective of this paper are: (1) to determine the kinetics of quality deterioration yoghurt corn on the packaging of glass bottle; (2) to estimate the shelf life of yogurt corn stored in glass bottle packaging. Yogurt corn packaged using glass bottles stored at 5, 10 and 15 °C. Analysis of the chemical, physical and sensory carried out every 7th day of storage for 21 days of storage. Determination of shelf life is done using methods ASLT with Arrhenius models. Lactic acid bacteria decreased slightly during storage. Viscosity and protein levels decreased during the first week, then increased until the third week of storage. pH and total acid tetrasi which tend to increase as well as the variable total dissolved solids tend constant during storage. For variable sensory panelists scoring average tends to decrease as the length of storage time Corn yoghurt stored in glass bottles have a shelf life of 5.9; 4.6 and 3.6 months at 5, 10 and 15 °C and long retention (3×10^4 s at 85 °C).

Keywords: Corn Yogurt, Packaged, Glass Bottle, Shelf Life.

1. INTRODUCTION

Dairy-based probiotic products were being circulated in the market, such as yogurt. For people who allergic of milk proteins, it needs alternative materials to make yogurt. We have been developed a probiotic corn extract that has properties similar to yogurt that had a total of lactic acid bacteria (LAB) 8.74 log CFU/g. It shows that probiotic corn extract fulfill the requirements as food probiotics are lactic acid bacteria should have a 6 log CFU/g.¹

Food packaging was essential to prevent the occurrence of changes in the quality of the product. Various food grade packaging were available on the market, one of which is glass bottle. Glass bottles are often used to package liquid products such as yogurt as well its mechanical resistance.

Information about shelf life of the product is very important for many stakeholders, including producers, consumers, sellers, and distributors. One way of fixing the shelf life of food is using the Accelerated Shelf-Life Testing (ASLT) with Arrhenius approach. The principle of the method ASLT was accelerate damage to physical-chemistry products with high temperature and then determined the actual shelf life by mathematical calculation.

The purpose of this paper are: (1) to determine the kinetics of quality deterioration yoghurt corn on the packaging of glass bottle; (2) to estimate the shelf life of yogurt corn stored in glass bottle packaging.

2. EXPERIMENTAL DETAILS

2.1. Making of Corn Yogurt

Yogurt corn was made by method.² First, 150 ml of sweet potato extract was mixed with 1 l of sweet corn extract. Furthermore to the mixture was added 100 ml of mung bean juice, 150 ml of sugar and 100 g of skim milk. The next step is the inoculation materials using the mixed culture of *Lactobacillus bulgaricus* and *Streptococcus thermophilus*. Ingredients that have been inoculated subsequently incubated for 8 hours at 37 °C.

2.2. Analysis

Corn yogurt that has been incubated then packaged with glass bottle. The storage is done in the refrigerator 5 °C, 10 °C, and 15 °C for 21 days. Yogurt was analyzed every 7 days for 21 days. The variables measured in this study included a total of lactic acid bacteria,³ pH measurements are performed with the potentiometric method using a pH meter, total dissolved solids (using a refractometer), lactic acid levels were determined by titration with a solution of alkali (Mann, s Acid Test), and total protein levels (micro Kjeldahl method).

The sensory analysis includes color, acid taste, flavor and preferences using the test scoring. Panelists used are 20 trained panelists. Scoring is expressed on a scale of 1 to 5. The data were analyzed using linear regression method and descriptive analysis.

*Author to whom correspondence should be addressed.

2.3. Determination of Shelf Life

Determination of shelf life was using ASLT with Arrhenius models. The steps being taken include the establishment of parameters that become the critical point, temperature determination, forecasting the timing and frequency of data collection. Based on these parameters then plotted in Arrhenius models, namely:

$$\ln k = \ln k_0 - (E_a/RT)$$

Based on the equation obtained value of the activation energy (E_a) of each parameter. The parameters were selected that has the smallest activation energy. The smaller the activation energy faster then the product will be damaged. The next step is determining the shelf life (t_s) using the equation order, namely:

$$t_s = \frac{A_0 - A_t}{k \cdot t} \quad (\text{Orde 0}), \text{ and } t_s = \frac{\ln(A_0/A_t)}{k_t} \quad (\text{Orde 1})$$

3. RESULTS AND DISCUSSION

3.1. Description Quality of Initial and the End

Yogurt is a fermented product that involves some friendly bacteria such as *Lactobacillus bulgaricus*, *Streptococcus* viability of the product. Initial and final characterization is an important factor in the shelf life estimating using Arrhenius models (Table I) *thermophilus* and *Lactobacillus acidophilus*. Therefore, shelf life of the product to be important in order to optimize the viability of the product. Initial and final characterization is an important factor in the shelf life estimating using Arrhenius models (Table I).

Quality of yogurt changes during storage (Table I) pH, viscosity, total acid, and protein increases on the 21st day of storage. According to Ref. [4], lactic acid is growing more if the storage is getting longer. Reference [5] stated that during storage yogurt increases the viscosity by increasing the production of lactic acid causes an increase in total acid resulting in a change in the structure of proteins (denaturation). Changing the structure of a protein causes the protein to total bacterial breakdown products also increased.

Lactic acid bacteria decrease during storage, from 7.573 to 6.893 log CFU/ml. At the end of storage, the amount of BAL still fulfils the minimum requirements as probiotic food, at least 6 log CFU/ml. The decrease during storage is better than⁶ that found in yogurt, LAB decrease of 2.34 log cycles during 28 days of storage. According to Ref. [6], a decrease in viability of lactic acid bacteria is caused by the more acid production, so the lactic acid bacteria will death. Meanwhile, according to Ref. [8], the more the total BAL present in a food, the increasingly competition between BAL. That means more of total BAL in a food, nutrient availability will be dwindling and survival of BAL is getting shorter, so the longer storage, an amount of BAL decreases.

Table I. Description of initial and final quality of corn yoghurt at a temperature of 5 °C

Quality parameters	Initial value (A_0)	Final value (A_1)
Lactic acid bacteria (log CFU/ml)	7,573	6,893
Protein (%)	2,18	2,67
Total acidity (%)	0,768	0,786
pH	4,4	4,5
Soluble solid (°Brix)	23	22
Viscosity (mPa/s)	160	190

Table II. Acceptance of the product during storage at 15 °C.

Day	A	B	C	D	Rejection (%)
0	4.97	3.45	3.23	3.98	0
7	4.15	2.95	4.05	2.9	25
14	3.95	3.05	4	2.8	30
21	2.2	2.05	3.55	1.85	40

The protein content slightly rises because of the increased metabolite produced by lactic acid bacteria. Reference [9] explains that the metabolite produced by LAB is bacteriocin. The longer the fermentation, the more lysine was formed. It also resulted in an increase in pH.

Table II shows the mean of the product acceptance test by panelists during storage at the critical temperature (15 °C). In estimating the shelf life of the product, sensory test carried out more than 50% of panelists rejected the product. Corn yoghurt was rejected by 50% of the panelists after 21 days of storage at 15 °C, especially in the assessment of aroma and preference. Reference [7] states that the typical yoghurt flavor derived from lactic acid, acetaldehyde, acetic acid and diacetyl. On the 21st day of storage, yoghurt volatile compounds evaporate and are replaced with other compounds that cause off the odor or loss of the typical yoghurt aroma.

3.2. Determining Parameter and Critical Point

Quality attributes associated with the yoghurt fermentation by lactic acid bacteria. Other quality attributes is the stability of the yoghurt, seen from yoghurt damage occurs in the form of wheying off or syneresis. This can occur marked a clumps that split. parameter selection criteria shelf life of a product, namely: (1) the quality parameters of the fastest decline during storage, shown with the greatest R squared, (2) quality parameters most sensitive to temperature changes, the views from the activation energy (E_a) is lower.

To determine critical point, first we should be determine ordo of each parameter. According Ref. [7], a critical factors in yogurt are a total acid, coliforms, and sensory properties. According to Ref. [6], on a dairy beverage products, the parameters that have the highest R^2 value and the activation energy (E_a) is the lowest pH. In this study, the critical parameters used are pH and total acid.

pH and total acid corn yoghurt plotted against time to obtain three regression equations on a particular storage temperature. Determination of the reaction order using the chart zero order and the first order. From the equation will get the highest R^2 is selected as the reaction order. Order selected then plotted on the Arrhenius equation. Arrhenius equation is a plot between the value of $1/T(K-1)$ and $\ln k$. Then created a linear regression to obtain a linear equation $\ln k = \ln k_0 - (E/R)(1/T)$, with $\ln k_0$ is the intercept and E/R is the slope. E_a is the activation energy and R is the ideal gas constant is 1.986 cal/mol. The parameters

Table III. The linear regression of lactic acid bacteria.

Temperature (°C)	Linear regression		R^2	
	Zero ordo	First ordo	Zero ordo	First ordo
5	$y = -0.041x + 7.55$	$y = -0.006x + 2.02$	0.991	0.993
10	$y = -0.041x + 7.53$	$y = -0.006x + 2.02$	0.984	0.988
15	$y = -0.029x + 7.44$	$y = -0.004x + 2.01$	0.777	0.783

Table IV. The activation energy of each parameter.

Parameter	Arrhenius equations	R^2	Activation energy (cal/mol $^{\circ}$ K)
Lactic acid bacteria	$y = 2849x - 15.4$	0.699	5641
Protein	$y = -19748x + 66.4$	0.943	391101
pH	$y = -3265x + 6.6$	0.750	6464
Total acid	$y = -9647x + 29$	0.828	19101
Soluble solid	$y = 2355x - 12$	0.178	4663
Viscosity	$y = -5620x + 14.8$	0.399	11126
Color	$y = -2530x + 2.7$	0.898	5007
Acid taste	$y = -3925x + 9.9$	0.697	7772
Flavor	$y = -21153x + 68$	0.667	41883
Preference	$y = -4806x + 12$	0.279	9516

Table V. The result of the calculation of the shelf life of corn yogurt was packaged glass bottle.

Temperature ($^{\circ}$ C)	k value	Shelf life (months)
5	0.0049	4.4
10	0.0061	3.6
15	0.0075	2.9

that most influence deterioration during of storage were selected based on the lowest value of the activation energy.

Every parameter plotted against time to obtain three regression equations on each of the storage temperature. Determination of the reaction order using the chart zero order and the first order. From the equation will get the highest R^2 is selected as the reaction order. Table III shows one example of the selection order of the reaction. R square of first ordo has greater than zero ordo, so we choose the first ordo. Ordo selected then plotted on the Arrhenius equation, so we get the value of activation energy (Table IV).

The parameters that most influence deterioration during of storage were selected based on the lowest value of the activation energy. This is because the lower the activation energy of a reaction, degradation will run faster. In this study, the soluble solid has the lowest activation energy is 4663 cal/mol $^{\circ}$ K.

3.3. Determining Shelf Life

Based on the Arrhenius equation, it can be calculated the value k of each critical point. The value of k is a constant deterioration,

associated with shelf life. The higher k , degradation will be greater, so it will shorten the shelf life. Value of $\ln k_o$ and $-E/R$ on the Arrhenius equation is a constant number, so that the equation can be written as $\ln k = A + Bx(1/T)$. Thus, the value $\ln k_o = A$ and value $-E/R = B$. Based on these equations can be specified shelf life (T).

The shelf life of yogurt at 5, 10 and 15 $^{\circ}$ C was 4.4; 3.6 and 2.9 months. This is in line with Ref. [5] that the yogurts sold in the market have a shelf life of about 2 to 3 months at refrigerator temperature (34–40 $^{\circ}$ F), or about 1 to 5 $^{\circ}$ C. Good storage temperature for the yogurt is usually done in the refrigerator temperature ± 4 $^{\circ}$ C.

4. CONCLUSION

The decline of the quality of yoghurt corn is in the first week of viscosity and total protein levels decreased and then increased until the third week of storage. pH, lactic acid bacteria and total acids that tend to increase as well as the variable total dissolved solids tend constant during storage. For variable sensory panelists assessment tends to decrease as the length of storage time. Corn yoghurt stored in glass bottles has a shelf life of 4.4; 3.6 and 2.9 months at 5, 10 and 15 $^{\circ}$ C

Acknowledgments: This research was supported by Directorate of Higher Education, Ministry of Education of Republic Indonesia in the program National Strategic Research in 2016.

References and Notes

1. A. Y. Tamime, M. Saarela, A. K. Sondergaard, V. V. Mistry, and N. P. Shah, *Probiotic Dairy Products* 3, 39 (2005).
2. N. Aini, V. Prihananto, G. Wijonarko, A. Arimah, and M. Syaifudin, *Agritech* 37 (2017), (in press).
3. M. Y. Ha, S. W. Kim, Y. W. Lee, M. Y. Kim, and S. J. Kim, *Journal Bioscience and Bioengineering* 96, 134 (2003).
4. N. Layadi, P. Sedyandini, Ayliaawati, and F. E. Soetaredjo, *Widya Teknik* 8, 1 (2009).
5. D. M. Saccaro, A. Y. Tamime, A. L. O. P. S. Pillegigi, and M. N. Oliveira, *International Journal of Dairy Technology* 62, 397 (2009).
6. M. R. Damin, E. Minowai, M. R. Alcantara, and M. N. Oliveira, *Journal of Texture Studies* 39, 40 (2008).
7. L. C. Allgeyer, M. J. Miller, and S. Y. Lee, *Journal Dairy Science* 93, 4471 (2010).
8. M. Gurses, B. Cetin, and M. Sengu, *Asian Journal of Chemistry* 21, 4097 (2009).
9. C. A. Van-Reenen and L. M. T. Dicks, *Archives of Microbiology* 193, 157 (2011).

Received: 12 December 2016. Accepted: 19 December 2016.



CERTIFICATE

DEPARTMENT OF CHEMICAL ENGINEERING DIPONEGORO UNIVERSITY

proudly certifies

Dr. Nur Aini

who has successfully accomplished his/her role

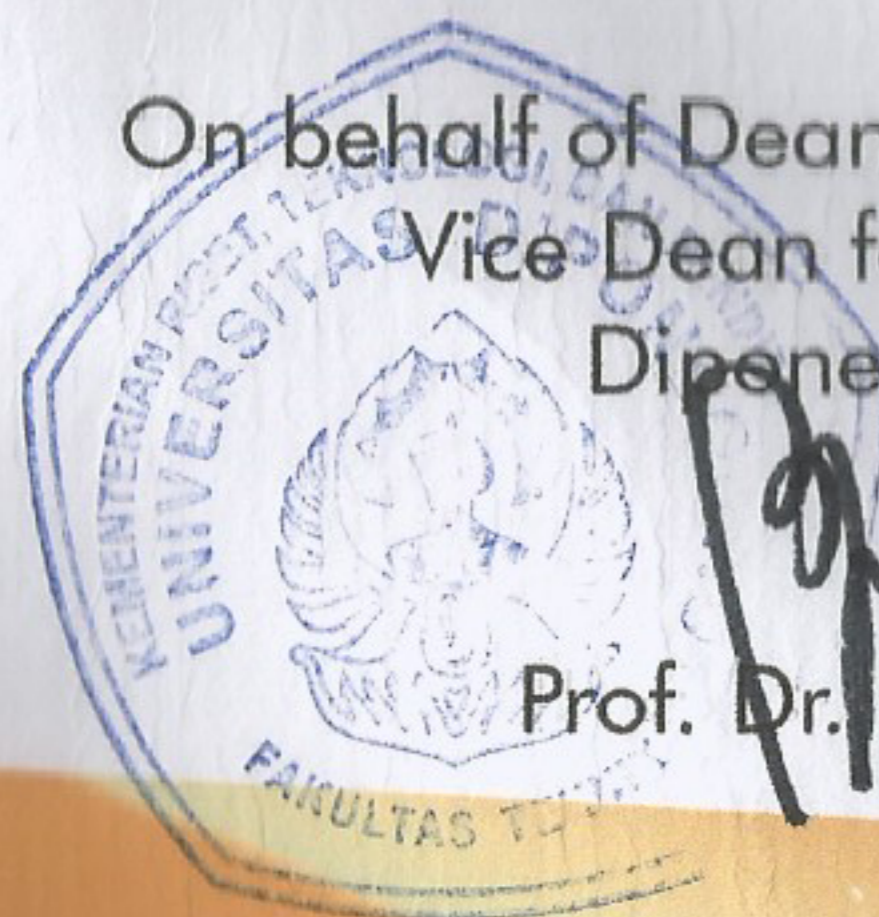
as

Presenter

In the INTERNATIONAL CONFERENCE ON CHEMICAL PROCESS AND PRODUCT ENGINEERING 2016 (ICCPPE 2016)

Noormans Hotel, Semarang, Indonesia, September 14th-15th, 2016

On behalf of Dean of Faculty of Engineering,
Vice Dean for Academic Affairs
Diponegoro University



Prof. Dr. Ir. Budiyo, MSi

The ICCPPE 2016
Organizing Committee Chairman



Dr. -Ing. Suherman, ST, MT



INTERNATIONAL CONFERENCE ON CHEMICAL PROCESS AND PRODUCT ENGINEERING 2016

Department of Chemical Engineering, Faculty of Engineering, Diponegoro University
Jl. Prof. H. Soedarto, SH Kampus Undip Tembalang-Semarang 50239, Indonesia
Telp : +62-24-7460058; Fax: +62-24-76480675; Email: iccppeundip@gmail.com;
Website: <http://econference.undip.ac.id/index.php/iccppe/>



Semarang, August 22nd, 2016

No. : 26/AA/ICCPPE/VIII/2016
App. : 4
Subject : **Accepted abstract ICCPPE 2016**

Dear Sir/Madam,

We are pleased to inform you that your abstract:

Title : Quality Deterioration and Shelf Life Estimation of Corn Yogurt Was Packaged by Polypropylene

Author : Nur Aini, Vincentius Prihananto, Gunawan Wijonarko, Yuni Astuti, Muthmainah, Melda Ruth Maulina

Code : G-3

has been accepted and will be presented for oral presentation in the International Conference on Chemical Process and Product Engineering (ICCPPE) 2016 organized by Department of Chemical Engineering Diponegoro University. The ICCPPE will be held in Noormans Hotel-Semarang on 14th -15th September 2016. Please note that this acceptance letter is also considered as **an invitation letter**.

Hence, we would like you to submit the abstract and full-paper manuscript which have been formatted according to the templates together with the CV of the presenter (please kindly find the files in the attachments). The files should be saved as **“code-abstract”, “code-paper” and “code-cv”**, respectively. Please email the files to iccppeundip@gmail.com before **10th September 2016**. The manuscript will be peer-reviewed and the selected one will be published in **Bulletin of Chemical Reaction Engineering & Catalysis** and **Advanced Science Letter**, which is indexed by Scopus.

We would like to remind you that the due date for early-bird payment is **22nd-31st August 2016**.

We are looking forward to seeing you in Semarang.

Sincerely,

Dr-Ing. Suherman
Conference Chair, Organizing Committee
INTERNATIONAL CONFERENCE ON CHEMICAL PROCESS AND PRODUCT ENGINEERING
Website: <http://econference.undip.ac.id/index.php/iccppe/>
Email: iccppeundip@gmail.com



TABLE OF ABSTRACTS

A. CHEMICAL REACTION, KINETICS AND CATALYSIS	
A-1	Development Natural Kaolin as Catalyst on Biodiesel Production
A-2	Comparative Study of ZnO:X (X=Ag, Co, and Al) Photocatalyst Thin Films Deposited by Sol-Gel Method
A-3	Kinetics Study the Decomposition of the Cellulose into Cellulose Nanocrystals by Hydrothermal with Hydrochloric Acid Catalyst
A-4	Synthesis and Characterization of Ca/MgO Catalyst using Sol Gel Method for Monoglycerides Production
A-5	Effect of Voltage on Performance of Hybrid Catalytic-Plasma Reactor for Biodiesel Synthesis over 5%K ₂ O/CaO-ZnO Catalyst
A-6	Carbon Nanodots Produced from Water Hyacinth: Development Method and Photocatalytic Performance
A-7	Characterization and Testing of Zeolite Y Dealuminated Catalyst for Glycerol Conversion to Glycerol Monolaurate
A-8	Reaction Kinetics Of Bio Briquette Combustion In Non-Isothermal Downdraft Reactor
A-9	Phenomenological Modelling of a Fluidized-bed Reactor for Catalytic Decomposition of Methane
A-10	Prediction of The Effect of the Inlet Velocity and the Reactor Length on the Performance of a Trickle-bed Reactor for Renewable Diesel Production
A-11	The effect of calcination temperature of sulfated zirconia catalyst for simultaneous reactions in biodiesel production
A-12	Study of Ratio and Size H-Zeolite Catalyst for Biolubricant Oil Production Through Three Stages Processes: Transesterification, Epoxidation And Ring Opening Modification



B. THERMODYNAMICS, SEPARATION AND PURIFICATION PROCESSES	
B-1	GC-MS Analysis Of Essential Oil of Pogostemon Cablin Growing in Indonesia Extracted by Microwave-Assisted Hydrodistillation
B-2	A Study on The Adsorption Equilibrium and Kinetics of Methylene Blue using Waste Eggshells
B-3	Essential Oil Extraction from Stem of <i>Citrus Hystrix</i> D.C. by Solvent-Free Microwave Extraction
B-4	Extraction Of Essential Oil From <i>Vetiveria zizanioides</i> by Microwave-Assisted Hydrodistillation And Solvent-Free Microwave Extraction
B-5	Water holding capacity of glucomannan from <i>Amorphophallus oncophyllus</i> purified with enzymatic hydrolysis
B-6	Extraction Characteristics and Simple Kinetic Study of Anthocyanin from Roselle (<i>Hibiscus sabdariffa</i> L.) Calyces by Ultrasound-Assisted Extraction
B-7	Enzyme Concentration Using Low MWCO Ultrafiltration Membrane
B-8	The Utilization Bayah Natural Zeolit, Bentonit And Fly Ash As Adsorbent For Reduction Acid Number Level Of Glycerol Monooleate
B-9	CFD Simulation on Supercritical Fluid Extraction of Palm MESOCARP Pressed-Fiber
B-10	The Effect of Sonication and Ionic Liquid Addition To Hydrothermal Extraction of Phenolic Compounds From Mangosteen (<i>Garcinia Mangostana</i>) Pericarp
C. HEAT AND MASS TRANSFER	
C-1	The Effect of Egg White on Moisture Diffusivity in Roselle Extract Drying under Various Temperature
C-2	Parameter Estimation of Roselle Extract Drying with Foaming Agent



C-3	Studies on Adsorption-Desorption Phenomena of Oryzanol Isolation from Rice Bran Oil in Packed Bed Column
C-4	Studies on Consecutive Adsorption-Desorption Phenomena of Oryzanol Isolation from Rice Bran Oil in Packed Bed Column
C-5	Mechanism of ion transfer in electrodeinization (EDI) system
C-6	CaSO ₄ Scale Inhibition by Trace Amount of Cu(II) Ions in Piping System
C-7	The Influence of Flow Rates on CaSO ₄ Deposition in Piping System
C-8	CaSO ₄ scale formation under the presence of vibration
C-9	Analysis of Rotating Membrane Emulsification Performance for Oil Dropets Production Based on Taylor Vortices Approach
C-10	The Influence Of Operating Conditions On Drying Curve Of Cassava Starch In Pneumatic Dryer
C-11	Modeling and Simulation of Salt Drying using Rotary Dryer (
C-12	Modeling and Simulation of Solute and Fluid Transport During Hemodialysis
C-13	Modelling and simulation of binary fluid mixture droplet evaporation using molecular dynamics method
C-14	Measurement And Modeling Of Drying Kinetics Of PVC Powder
C-15	Modeling Turbulent Flow in A Biogas Reactor Equipped By Side Entering Inclined Blade Turbine Using CFD : The Influence of Impeller Diameter

D. BIOTECHNOLOGY AND BIOPROCESS

D-1	Kinetic Study of Oil Palm Empty Fruit Bunch Enzymatic Hydrolysis
D-2	Evaluation of Simultaneous Saccharification and Fermentation of Palm Oil Empty Fruit Bunches for Xylitol Production
D-3	Effect of Reactor Volume to Electricity Production in



	Microbial Fuel Cell using Tempe Industrial Waste Water)
D-4	The Effect of Fermentation Time and Addition of CMC to the Decrease in Levels of Lignin in Patchouli Leaves Fermentation Using Phanerochaetechrysosporium
D-5	Effect of Substrate Circulation in Increasing Electricity from Waste Water of Tempe wit Tubular Membranless Reactor Microbial Fuel Cell (MFC)
D-6	The degradation of cellulose in the fermentation of patchouli leaves using Phanerochaete chrysosporium
D-7	Hydrolysis Of Enzymatic Of Bitter Cassava And Dioscoreahispida starches for Reducing Sugar Production At Low Temperatue
D-8	Hydrolysis Of Chitosan Using Cellulase Enzyme With Addition Of Polyethylene Glycol
D-10	The Effect of Substrate Modification on Xanthan Gum Production by Aerobic Fermentation Method

E. WASTE TREATMENT AND ENVIRONMENTAL ENGINEERING

E-1	Biodegradation of Naphthalene by a Combination of Bacteria Bacillus cereus and Pseudomonas putida in Soil Contaminated Oil on Slurry-phase Bioreactor
E-2	Influence of Sodium Carbonate to Methylene Blue Removal Performance of Detergent Based on Palm Oil Based Alkyl Sulfate and TiO ₂ in hard water condition
E-3	The Influence of Fe ²⁺ Ion Concentration in Linear Alkylbenzene Sulfonate Degradation Using Contact Glow Discharge Electrolysis
E-4	The Performance of Start-Up Process in Continuous Ethanol Production Using Integrated Aerobic-Anaerobic Baffled Reactor (IAABR)
E-5	Graphene Based Nanofiltration Membrane for Mercury Removal from Aqueous Solution
E-6	The Influence of Enzymatic Pretreatment and F/M Ratio to Biogas Production from Rice Husk Waste during Solid State Anaerobic Digestion (SS-AD) (E-6)



E-7	The Characteristic Of Pineapple Waste From Canning Industry (E-7)
E-8	Performance of an 3-stage anaerobic baffled reactor (ABR) in the treatment of food wastewater containing preservative substances.
E-9	Solid-liquid anaerobic baffled reactor treating food waste
E-10	Biogas Production Kinetics from Rice Husk Waste during Solid State Anaerobic Digestion (SS-AD)
E-11	Electrochemical Treatment of Wastewater Containing High Concentration of Ammonia
E-12	Consequence of mercury used by artisanal and small scale gold mining processes
E-13	Carbon Dioxide (CO ₂) Reduction of Tofu Industrial Waste Water-Based Biogas by an Integrated Process of Activated Carbon and Zeolite Adsorption to Enhance Pipeline Quality Gas
E-14	Water and Energy Efficiency in Tofu Small Industry Based on Cleaner Production
F. MATERIAL SCIENCE AND ENGINEERING	
F-1	The Synthesis of High-Impact Polystyrene Fibers using Mini-Rotary Forcespinning Method
F-2	Hydrophilic Propylene Membrane for Biomedical Application
F-3	Modification of Ti6Al4V Surface to Form TiO ₂ Nanotubes
F-4	Synthesis Tert-Butyl Oleyl Glycosides Surfactant From Esterification Tert-Butyl Glycosides With Oleic Acid
F-5	The Effect of Temperature on The Oxyrane Number and Identification of Epoxidation Rice Bran Oil by Resin IR-120 Catalyst
F-6	Styrofoam Rotary Forcespun Fibers Membrane for Water Filtration
F-7	Synthesis And Characterization Of Bamboo Ash Based Geopolymer Cement



F-8	Hydrogen Selective Layer for Dehydrogenation Membrane Reactor
F-9	Ultrafiltration Membrane based on Chitosan/PEG/MWCNT Nanocomposites
F-10	Fabrication of Electrospun Nanofiber From Waste Expanded Polystyrene For Aerosol Filtration Applications
F-11	Improved Nutrient Release Of Urea Fertilizer Using Chitosan Nanoparticles Zeolite Activated
F-12	The Characteristic of Epoxy Resin Wettability to the Variation of Glass Fiber orientation, Density and Surface Treatment
F-13	Effect Of pH on Nano-Hydroxyapatite Synthesis From Chicken Eggshell Prepared By Electrochemical Method
F-14	Effect Of Current density On Nano-Hydroxyapatite Synthesis From Chicken Eggshell Using Electrochemical Method With Constant Direct Current (CDC)
F-15	The Development and Comparative Study of Polystyrene Latex (PSL) Monodisperse Aerosol Generator Using Ultrasonic and Jet Nebulizer
F-16	Utilization of Lime Juice to Enhance Mechanical Performance of Sago-Starch Based Biofilm Reinforced Chicken Feather Keratin
F-17	Producing Slow Release Granular Urea By Coating With Starch/Poly Vinyl Alcohol In Fluid Bed Spraying
F-18	Effect of Ultraviolet on The Morphology and Performance of PES-nano-silica Hybrid Membrane for Produced Water Treatment
F-19	Improvement of Separation Performance Cellulose Acetate Membrane via Thermal Annealing and Dope Composition for Brackish Water Treatment From Jepara
F-20	Production of Activated Carbon from Coffee Grounds with Chemical and Physical Activation Method
F-21	Preparation and Characterization of Nanosilica from Fly Ash as Filler in Polymer Electrolyte Membrane poly(vinylidene fluoride) using (polyvinylpyrrolidone) as pore



	forming
F-21	Linear Polarization Resistance and Open Circuit Potential Studies for The Corrosion Behavior of Ni ₃ (Si,Ti)+4Al Intermetallic Compound in NaCl solutions (F-22)
F-22	The influence of polymerization degree on morphology and electrochemical properties of PVC-based heterogeneous ion-exchange membrane
F-23	Preparation of Bamboo Microfibrillated Cellulose Assisted by Sonication and Hydraulic High Pressure Homogenizer Affecting the Dispersion of Sago Starch-Based Biofilm
F-25	Utilization of Bamboo Microfibrillated Cellulose Reinforced Sago Starch-Based Biofilm Assisted by Ultrasonic Homogenizer
F-26	Effect of Carbon Nano Tube (CNT) to the Performance of Cellulose Acetate/Polyethylene Glycol (CA/PEG) Membranes
F-27	Enhancement of Hybrid SPEEK based polymer-Cyclodextrin inorganic membrane for Direct Methanol Fuel Cell Application

G. FOOD SCIENCE AND TECHNOLOGY

G-1	Kinetics of Thiamine and Colour Degradation in Onion Drying under Various Temperature
G-2	Liquid Sugar Production from Red Sorghum Starch as the Feedstock to Produce High Fructose Syrup (HFS)
G-3	Quality deterioration and shelf life estimation of corn yogurt was packaged by polypropilene
G-4	Effect Of Liquid Smoke And Carrageenan To Beef Meatball Texture And Lightness
G-5	Anti-hyperglycemic In-vivo Test of Averrhoa Carambola Aqueous Leaf Extract
G-6	The Effect of Ozonation Process on Antimicrobial Activity of κ -Carrageenan
G-7	Uniformity Of Fe Concentration: An Effort To Enhance Fortification Efficiency Using Mixing And Agitation Process



G-8	Physicochemical properties of sago starch under various modification process: An overview
G-9	Chemical and Physical Modification of Cassava Starch Using Lactic Acid and Ethanol Under Oven and Solar Drying
H. ENERGY RESOURCES AND MANAGEMENT	
H-1	Biofuel Production From Randu Seed Oil With Catalytic Cracking Process By Using Microwave
H-2	In Situ Transesterification of Solid Coconut Waste Oil for Biodiesel Production : The Effect of Reaction Time, Temperature, Catalyst and Ratio of Volume Methanol to Solid Mass
H-3	Preliminary Study Of Development Surfactant Sodium Ligno Sulfonate (SlS) From Waste Biomass In The Application Of Enhanced Oil Recovery (Eor) Yield Increase In
H-4	Semi-Quantitative Risk Analysis Gas Flowline Pt.X At Donggi Area-Matindok
H-5	The Optimization of Process Production of Sunan Pecan Oil as Biodiesel using Response Surface Methodology (RSM) Method
H-6	The study of EHD Flow: Velocity and electrical power
H-7	Effect of C/N ratio and pH on biogas production from industrial cassava starch wastewater through anaerobic process
H-8	The effect of Storage Material Type and Time on Quality of Biodiesel



COMMITTEE

SCIENTIFIC COMMITTEE

Chair Person:

Andri Cahyo Kumoro, PhD

Members :

Prof. Rosli Ilyas (UTM Malaysia)
Prof. Yongchai Kwon (Seoul Tech Korea)
Prof. E Tsotsas (OvGU Germany)
Prof I G. Wenten (ITB, Indonesia)
Prof. Shen-Long Tsai (NTUST Taiwan)
Prof. Rochmadi (UGM, Indonesia)
Prof. Bambang Pramudono (UNDIP, Indonesia)
Prof. Bakti Jos (UNDIP, Indonesia)
Prof. Purwanto (UNDIP, Indonesia)
Prof. Abdullah (UNDIP, Indonesia)
Prof. Heru Susanto (UNDIP, Indonesia)
Prof Budiyono (UNDIP, Indonesia)
Prof. M. Djaeni (UNDIP, Indonesia)
Prof. Khairurrijal (ITB, Indonesia)
Prof. Arif Budiman (UGM, Indonesia)
Assoc. Prof. Ngho Gek Cheng (University of Malaya, Malaysia)
Dr. Harendra Parekh (University of Queensland, Australia)
Dr. Istadi (UNDIP, Indonesia)
Dr. Suryadi Ismadji (Univ. Widya Mandala Surabaya, Indonesia)



ORGANISING COMMITTEE

Dr. Nat.Tech. Siswo Sumardiono, ST, MT
Andri Cahyo Kumoro, ST, MT, PhD
Prof. Dr. Ir. Bambang Pramudono, MS
Prof. Dr. Ir. Bakti Jos, DEA
Prof. Dr. Ir. Purwanto, DEA
Prof. Dr. Ir. Abdullah, MS
Prof. Dr. rer. nat. HeruSusanto, ST, MM, MT
Prof. Dr. Ir. Budiyo, MSi
Prof. Dr. M. Djaeni, ST, M.Eng
Dr. Istadi, ST, MT
Dr. Ing. Suherman, ST, MT
Nita Aryanti, ST, MT, PhD
Dyah Hesti Wardhani, ST, MT, PhD
NoerAbyorHandayani, ST, MT
Dr.Ing. Silviana, ST, MT
Dr. Widayat, ST, MT
Dr. Hadiyanto, ST, M.Sc
Dr. Tutuk Djoko Kusworo, ST, M.Eng
Ir. Diah Susetyo Ratnawati, ST, MT
Asep Muhammad Samsudin, ST, MT



TOPICS

- A. CHEMICAL REACTION, KINETICS AND CATALYSIS**
- B. THERMODYNAMICS, SEPARATION AND PURIFICATION PROCESSES**
- C. HEAT AND MASS TRANSFER**
- D. BIOTECHNOLOGY AND BIOPROCESS**
- E. WASTE TREATMENT AND ENVIRONMENTAL ENGINEERING**
- F. MATERIAL SCIENCE AND ENGINEERING**
- G. FOOD SCIENCE AND TECHNOLOGY**
- H. ENERGY RESOURCES AND MANAGEMENT**



KEYNOTE SPEAKERS

Plenary Lecture I

Prof. Shen-Long Tsai

(National Taiwan University of Science and Technology, Taiwan)

“Genetically Engineered Yeast Towards Consolidated
Bioprocessing”

Plenary Lecture II

Prof. I G. Wenten

(Bandung Institute of Technology, Indonesia)

“Membrane-Based Carbon Capture Technology: Challenges and
Opportunities in Indonesia”

Plenary Lecture III

Prof. M. Djaeni

(University of Diponegoro, Indonesia)

“The Air Dehumidification with Zeolite for Sustainable Food
Drying”

PROGRAM

Wednesday, 14 September 2016

Time	Program
08.00 – 09.00	Registration
09.00 – 09.30	Opening Ceremony
09.30 – 10.00	Coffee Break 1
10.00 – 10.45	Plenary Lecture I : Prof. Shen-Long Tsai (Chair Person : Dr. Andri C. Kumoro)
10.45 – 11.30	Plenary Lecture II : Prof. I G. Wenten (Chair Person : Dr. Andri C. Kumoro)
11.30 – 12.45	Luncheon
12.45 - 15.00	Oral Presentation – Parallel Session 1
15.00 – 15.30	Coffee Break 2
15.30 – 16.45	Oral Presentation – Parallel Session 2

Thursday, 15 September 2016

Time	Program
08.00 – 09.00	Registration
09.00 – 09.45	Plenary III : Prof. M Djaeni (Chair Person : Dr. Hadiyanto)
09.45- 10.15	Coffee Break 1
10.15-12.00	Oral Presentation – Parallel Session 3
12.00-13.00	Luncheon
13.00 – 15.00	Oral Presentation–Parallel Session 4
15.00	Closing Ceremony

ORAL PRESENTATION – PARALLEL SESSIONS

Wednesday, 14 september 2016

Time	Program			
	Oral Presentation – Parallel Session 1			
	Room I	Room II	Room III	Room IV
12.45-13.00	A1	B1	E1	F1
13.00-13.15	A2	B2	E9	F2
13.15-13.30	A3	B3	E3	F3
13.30-13.45	A4	B4	E4	F4
13.45-14.00	A5	B5	E5	F5
14.15-14.30	A6	B6	E6	F6
14.30-14.45	A7	B7	E7	F8
14.45-13.00	A8	B8	E8	F9
Chair Person	Eko Andrijanto LRSC	Dr. Siswo Sumardiyono	Dr. Silviana	Dr. Ir. Dewi Tristantini
	Oral Presentation – Parallel Session 2			
	Room I	Room II	Room III	Room IV
15.30-15.45	A9	C1	E2	G1
15.45-16.00	A10	C2	E10	G2
16.00-16.15	A11	C3	E11	G3
16.15-16.30	A12	C4	H1	G4
16.30-16.45	D1	C5	H2	G5
Chair Person	Prof. Dr. Ir Achmad Roesyadi	Dr. Suherman	Prof. Dr. Ir. Nelson Saksono, MT	Dr. Dyah Hesti Wardhani

ORAL PRESENTATION – PARALLEL SESSIONS

Thursday, 15 September 2015

Time	Program			
	Oral Presentation – Parallel Session 3			
	Room I	Room II	Room III	Room IV
10.15-10.30	D4	C7	G6	F7
10.30-10.45	D5	C8	G7	F10
10.45-11.00	D6	C9	G8	F11
11.00-11.15	D7	C10	G9	F12
11.15-11.30	D8	C11	H3	F13
11.30-11.45	D9	C12	H4	F14
11.45-12.00	D10	C13	H5	F15
Chair Person	Dr. Didi Dwi Anggoro	Dr. Nyoman	Dr. Tutuk Djoko Kusworo	Ir. Yuliusman, M.Eng
	Room I	Room II	Room III	Room IV
13.00-13.15	H6	B9	F16	
13.15- 13.30	H7	B10	F17	
13.30-13.45	H8	C6	F18	
13.45-14.00	F21	C14	F19	
14.00-14.15	F22	C15	F20	
14.15-14.30	F23	D2	F26	
14.30-14.45	F24	D3	F27	
14.45-15.00	F25			
Chair Person	Dr. Ratnawati	Dr. Andri C. K	Dr. Nita Aryani	

Table of Papers

NO	AUTHORS	TITLE	Affiliation
A. CHEMICAL REACTION, KINETICS AND CATALYSIS			
1	W. Widayat	Development of Natural Kaolin as Catalyst for Biodiesel Production	Diponegoro University
	Ndaru Okvitarini		Diponegoro University
2	Luqman Buchori	Effect of Voltages on Performance of Hybrid Catalytic-Plasma Reactor for Biodiesel Synthesis over 5%K2O/CaO-ZnO Catalyst	Diponegoro University
	Istadi		Diponegoro University
	P. Purwanto		Diponegoro University
3	Haryadi	Carbon Nanodots Produced From Water Hyacinth: Development Method And Photocatalytic Performance	State Polytechnic of Bandung
	Endang Kusumawati		State Polytechnic of Bandung
	Sidna Kosim Amrulah		State Polytechnic of Bandung
	Nur Asmalah		State Polytechnic of Bandung
	Dwi Nirwantoro		State Polytechnic of Bandung
4	Didi Dwi Anggoro	Characterization and Testing of Zeolite Y Dealuminated Catalyst for Glycerol Conversion to Glycerol Monolaurate	Diponegoro University
	Wahyu B. Setianto		PUSPIPTEK
	Luqman Buchori		Diponegoro University
	Fadhil R. P.		Diponegoro University
	Antonio G.		Diponegoro University
5	Yuswan Muharam	Phenomenological Modelling of a Fluidized-bed Reactor for Catalytic Decomposition of Methane	University of Indonesia
	Hendrik Hendrik		University of Indonesia
6	Yuswan Muharam	Prediction of The Effect of the Inlet Velocity and the Reactor Length on the Performance of a Trickle-bed Reactor for Renewable Diesel Production	University of Indonesia
	Osman Abhimata Nugraha		University of Indonesia
7	Bakti Jos	Study of Ratio and Size H-Zeolite Catalyst for Biolubricant Oil Production Through Three Stages Processes: Transesterification, Epoxidation And Ring Opening Modification	Diponegoro University
	Melati Mahardhika Putri Utomo		Diponegoro University
	Susilowati		Diponegoro University
	Siswo Sumardiono		Diponegoro University
B. THERMODYNAMICS, SEPARATION AND PURIFICATION PROCESSES			
8	Arenst Andreas Arie	A Study on the Adsorption Equilibrium and Kinetics of Methylene Blue using Waste Eggshells	Parahyangan Catholic University
	Steffi Angelina		Parahyangan Catholic University

	Riviani		Parahyangan Catholic University
9	Dyah Hesti Wardhani	Swelling capacity of glucomannan from Amorphophallus oncophyllus purified with enzymatic hydrolysis	Diponegoro University
	Nita Aryanti		Diponegoro University
	Dimas Akbar Ramdani		Diponegoro University
	Annisa Lutfiati		Diponegoro University
10	Nita Aryanti	Extraction Characteristics of Anthocyanin from Roselle (Hibiscus sabdariffa L.) Calyces by Ultrasound-Assisted Extraction	Diponegoro University
	Dyah Hesti Wardhani		Diponegoro University
	Ghafa Al Ramadhan		Diponegoro University
	Aprilina Purbasari		Diponegoro University
	Abdul Wasi		Diponegoro University
11	Denni kartika sari	The Utilization Bayah Natural Zeolit ,Bentonit, and Fly Ash As Adsorben For Reduction Acid Number Level Of Glycerol Monooleate	Sultan Ageng Tirtayasa University
	Indar Kustiningsih		Sultan Ageng Tirtayasa University
	Rochmatun nazilah		Sultan Ageng Tirtayasa University
	Rinawati		Sultan Ageng Tirtayasa University
C. HEAT AND MASS TRANSFER			
12	Meilya Suzan Triyastuti	The Effect of Egg White on Moisture Diffusivity in Roselle Extract Drying under Various Temperature	Diponegoro University
	Mohamad Djaeni		Diponegoro University
13	Mohamad Djaeni	Parameter Estimation of Roselle Extract Drying with Foaming Agent	Diponegoro University
	Febiani Dwi Utari		Diponegoro University
	Hadiono Soegeng Rahardjo		Diponegoro University
	Meilya Suzan Triyastuti		Diponegoro University
14	I Gede Wenten	Mechanism of ion transfer in electrodeionization (EDI) system	Bandung Institute of Technology
	Ahmad Nurul Hakim		Bandung Institute of Technology
	Khoiruddin		Bandung Institute of Technology
15	W.Mangestiyono	CaSO4 Scale Inhibition By Trace Amount of Cu(II) Ion	Diponegoro University
	Sutrisno		Diponegoro University
	D.Ariwibowo		Diponegoro University
	E.Yulianto		Diponegoro University
	B.Setyoko		Diponegoro University
16	W.Mangestiyono		Diponegoro University

	Sutrisno	The Influence of Flow Rate on CaSO4 Deposition in Piping System	Diponegoro University
	D.Ariwibowo		Diponegoro University
	E.Yulianto		Diponegoro University
	S.U.Handayani		Diponegoro University
17	Suherman Suherman	The Influence of Operating Conditions on Drying Curve of Cassava Starch in Pneumatic Dryer	Diponegoro University
	Andri Cahyo Kumoro,		Diponegoro University
	Tutuk Djoko Kusworo		Diponegoro University
	Nur Hidayati		Diponegoro University
18	Zaky Darmawan	Modeling and Simulation of Salt Drying Using Rotary Dryer	Sepuluh Nopember Institute of Technology
	Ali Altway		Sepuluh Nopember Institute of Technology
	Susianto		Sepuluh Nopember Institute of Technology
19	Siswo Sumardiono	Modelling and Simulation of Binary Fluid Mixture Droplet Evaporation Using Molecular Dynamics Method	Diponegoro University
	Johann Fischer		Universität für Bodenkultur, Austria
20	Suherman Suherman	Measurement and Modeling of Drying Kinetics of PVC Powder	Diponegoro University
	Mohammad Djaeni		Diponegoro University
	Andri Cahyo Kumoro		Diponegoro University
D. BIOTECHNOLOGY AND BIOPROCESS			
21	Sri Rulianah	The Effect of Fermentation Time and Addition of CMC to the Decrease in Levels of Lignin in Patchouli Leaves Fermentation Using Phanerochaete chrysosporium	State Polytechnic of Malang
	Profiyanty H.S		State Polytechnic of Malang
	Yanty Maryanty		State Polytechnic of Malang
	Bambang Irawan		State Polytechnic of Malang
22	Profiyanti H. Suharti	The degradation of cellulose in the fermentation of patchouli leaves using Phanerochaete chrysosporium	State Polytechnic of Malang
	Sri Rulianah		State Polytechnic of Malang
	Yanty Maryanty		State Polytechnic of Malang
	Bambang Irawan		State Polytechnic of Malang
	Frederick Chen		
	Ming-Jinn Tsai		
23	Hargono	Enzymatic Hydrolysis of Bitter Cassava and Dioscorea hispida	Diponegoro University
	Bakti Jos		Diponegoro University
	Andri Cahyo Kumoro		Diponegoro University

		Dennst Starches for Reducing Sugar Production at Low Temperature	
24	N. Rokhati	Hydrolysis Of Chitosan Using Cellulase Enzyme With Addition Of Polyethylene Glycol	Diponegoro University
	H. Susanto		Diponegoro University
	M. Waskito		Diponegoro University
	R. Rahmawati		Diponegoro University
	B. Pramudono		Diponegoro University
25	Nancy Siti Djenar	The Effect of Substrate Modification on Xanthan Gum Production	Politeknik Negeri Bandung
	Edi Wahyu Sri Mulyono		Politeknik Negeri Bandung
E. WASTE TREATMENT AND ENVIRONMENTAL ENGINEERING			
26	Nelson Saksono	The Influence of Fe ²⁺ Ion Concentration in Linear Alkylbenzene Sulfonate Degradation Using Contact Glow Discharge Electrolysis	Indonesia University
	Irine Ayu Febiyanti		Indonesia University
	Indah Puspita		Indonesia University
27	I.G.B.N. Makertihartha	Graphene Based Nanofiltration Membrane for Mercury Removal from Aqueous Solution	Bandung Institute of Technology
	Z. Rizki		Bandung Institute of Technology
	M. Zunita		Bandung Institute of Technology
	P.T. Dharmawijaya		Bandung Institute of Technology
28	Syafrudin	The Influence of Enzymatic Pretreatment and Food to Microorganism (F/M) Ratio to Biogas Production from Rice Husk Waste during Solid State Anaerobic Digestion (SS-AD)	Diponegoro University
	Winardi Dwi Nugraha		Diponegoro University
	Hashfi Hawali Abdul Matin		Diponegoro University
	Larasati Gumilang Kencanawardhani		Diponegoro University
	Budiyono		Diponegoro University
29	Abdullah	The Characteristic of Pineapple Waste From Canning Industry	Diponegoro University
	Mat, H.B		Universiti Teknologi Malaysia
30	Indro Sumantri	Performance Of An 3-Stage Anaerobic Baffled Reactor (ABR) In The Treatment Of Food Wastewater Containing Preservative Substances	Diponegoro University
	B. Budiyono		Diponegoro University
31	P. Purwanto	Solid-Liquid Anaerobic Baffled Reactor Treating Food Waste	Diponegoro University
	Indro Sumantri		Diponegoro University
	Ika Bagus Priyambada		Diponegoro University
	H. Hadiyanto		Diponegoro University

32	Syafrudin	Biogas Production Kinetics from Rice Husk Waste during Solid State Anaerobic Digestion (SS-AD)	Diponegoro University
	Winardi Dwi Nugraha		Diponegoro University
	Hashfi Hawali Abdul Matin		Diponegoro University
	Budiyono		Diponegoro University
33	Ratnawati Ratnawati	Electrochemical Treatment of Wastewater Containing High Concentration of Ammonia	Diponegoro University
	Putri Pratiwi		Diponegoro University
	Ni Putu Wedha Ramanitya		Diponegoro University
34	Nani Harihastuti	Carbon Dioxide (CO2) Reduction of Tofu Industrial Waste Water-Based Biogas by an Integrated Process of Activated Carbon and Zeolite Adsorption to Enhance Pipeline Quality Gas	Diponegoro University
	P. Purwanto		Diponegoro University
	I. Istadi		Diponegoro University
35	Suparni Setyowati Rahayu	Water and Energy Efficiency in Cleaner Production based Tofu Small Industry	Diponegoro University
	P. Purwanto		Diponegoro University
	B. Budiyono		Diponegoro University
F. MATERIAL SCIENCE AND ENGINEERING			
36	Danu Ariono	Hydrophilic Polypropylene Membrane for Biomedical Application	Bandung Institute of Technology
	Anita Kusuma Wardani		Bandung Institute of Technology
37	Harsa Pawignya	Synthesis Tert-butyl Oleyl Glycosides Surfactant from Esterification Tert-butyl Glycosides with Oleic Acids	Diponegoro University/ University of Pembangunan Nasional "Veteran" Yogyakarta
	Tutuk Djoko Kusworo		Diponegoro University
	I.G.N.Widiantara		Diponegoro University
	Bambang Pramudono		Diponegoro University
38	Ratri Ariatmi Nugrahani	The Effect of Temperature on Oxirane Oxygen in The Epoxidation of Rice Bran Oil Methyl Ester by Resin Catalyst	Muhammadiyah University of Jakarta
	Athiek Sri Redjeki		Muhammadiyah University of Jakarta
	Yuti Mentari		Muhammadiyah University of Jakarta
	Miftahul Hasanah		Muhammadiyah University of Jakarta
39	Aprilina Purbasari	Synthesis and Characterization of Bamboo Ash Based Geopolymer Cement	Diponegoro University/ Bandung Institute of Technology

	Tjokorde Walmiki Samadhi		Bandung Institute of Technology
	Yazid Bindar		Bandung Institute of Technology
40	IGBN Makertiharta	Hydrogen Selective Layer for Dehydrogenation Membrane Reactor	Bandung Institute of Technology
	Putu Teguh Dharmawijaya		Bandung Institute of Technology
	I Gede Wenten		Bandung Institute of Technology
41	Abdul Rajak	Fabrication Of Electrospun Nanofiber From Waste Expanded Polystyrene For Aerosol Filtration Application	Bandung Institute of Technology
	Ahzab Sandi		Bandung Institute of Technology
	Dian Ahmad Hapidin		Bandung Institute of Technology
	Muhammad Miftahul Munir		Bandung Institute of Technology
	Ferry Iskandar		Bandung Institute of Technology
	Khairurrijal		Bandung Institute of Technology
42	Asep Muhamad Samsudin	Effect of pH on Nano-Hydroxyapatite Synthesis from Chicken Eggshell Prepared by Electrochemical Method	Diponegoro University
	Hargono		Diponegoro University
	Kristinah Haryani		Diponegoro University
	Hantoro Satriadi		Diponegoro University
	Hana Nikma Ulya		Diponegoro University
	M. Akhsanil Auladi		Diponegoro University
43	Asep Muhamad Samsudin	Effect of Current Density on Nano-Hydroxyapatite Synthesis from Chicken Eggshell Using Electrochemical Method with Constant Direct Current (CDC)	Diponegoro University
	Norman Iskandar		Diponegoro University
	Didik Setiyo Widodo		Diponegoro University
	Hana Nikma Ulya		Diponegoro University
	M. Akhsanil Auladi		Diponegoro University
44	Silviana	Utilization of Lime Juice to Enhance Mechanical Performance of Sago-Starch Based Biofilm Reinforced Chicken Feather Keratin	Diponegoro University
	Latif Alfiyan Zuhri		Diponegoro University
	Mukti Mabrur Muzakki		Diponegoro University
	Adisty Kurnia Rahmawati		Diponegoro University
	Annisa Ayu Marthasari		Diponegoro University
45	Suherman		Diponegoro University

	Andri Cahyo Kumoro	Producing Slow Release Granular Urea By Coating With Starch/Poly Vinyl Alcohol in Fluid Bed Spraying	Diponegoro University
	Fitri Asfari Rosyid		Diponegoro University
	Rezqi Dwi Putra		Diponegoro University
46	Tutuk Djoko Kusworo	Effect of Ultraviolet on The Morphology and Performance of PES-nano-silica Hybrid Membrane for Produced Water Treatment	Diponegoro University
	Nita Aryanti		Diponegoro University
	Widayat		Diponegoro University
	Qudratun		Diponegoro University
	D. P. Utomo		Diponegoro University
47	Tutuk D. Kusworo	Improvement of Separation Performance Cellulose Acetate Membrane via Thermal Annealing and Dope Composition for Brackish Water Treatment From Jepara	Diponegoro University
	Budiyono		Diponegoro University
	U. N. A. Rochyani		Diponegoro University
	E. Sofiana		Diponegoro University
48	Yuliusman	Production of Activated Carbon from Coffee Grounds with Chemical and Physical Activation Method	Indonesia University
	Nasruddin		Indonesia University
	Muhammad Khairul Afdhol		Indonesia University
	Farandy Haris		Indonesia University
	Rahmatika Alfia Amiliana		Indonesia University
	Afdhal Hanafi		Indonesia University
	Imam Taufiq Ramadhan		Indonesia University
49	Faris Damar Mudho Laksono	Preparation and Characterization of Nanosilica from Fly Ash as Filler in Polymer Electrolyte Membrane poly(vinylidene fluoride) using (polyvinylpyrrolidone) as pore forming agent	Sebelas Maret University
	Muhammad I.A. Fuady		Sebelas Maret University
	Arif Jumari		Sebelas Maret University
	Agus Purwanto		Sebelas Maret University
	Heru Susanto		Diponegoro University
	I Nyoman Widiassa		Diponegoro University
	Endah R. Dyartanti		Diponegoro University / Sebelas Maret University
50	Gadang Priyotomo	Linear Polarization Resistance and Open Circuit Potential Studies for The Corrosion Behavior of Ni ₃ (Si,Ti)+4Al Intermetallic Compound in NaCl solutions	Indonesian Institute of Sciences
	Yasuyuki Kaneno		Osaka Prefecture University
51	I Gede Wenten	The influence of polymerization degree on morphology and electrochemical properties of PVC-	Bandung Institute of Technology
	Danu Ariono		Bandung Institute of Technology

	Khoiruddin	based heterogeneous ion-exchange membrane	Bandung Institute of Technology
	Subagjo Subagjo		Bandung Institute of Technology
52	Muhammad Fahmi Hakim	Enhancement of Hybrid sPEEK Based Polymer–Cyclodextrin Inorganic Membrane for Direct Methanol Fuel Cell Application	Diponegoro University
	T.D. Kusworo		Diponegoro University
53	I Gede Wenten	Membrane-Based Carbon Capture Technology: Challenges and Opportunities in Indonesia	Bandung Institute of Technology
	Khoiruddin		Bandung Institute of Technology
	Nurul Faiqotul Himma		brawijaya university
G. FOOD SCIENCE AND TECHNOLOGY			
54	Mohamad Djaeni	Kinetics of Thiamine and Colour Degradation in Onion Drying under Various Temperature	Diponegoro University
	Uma Fadzilia Arifin		Diponegoro University
55	Ayu Ratna Permanasari	Liquid Sugar Production from Red Sorghum Starch as The Feedstock to Produce High Fructose Syrup (HFS)	Polytechnic Negeri Bandung
	Fitria Yulistiani		Polytechnic Negeri Bandung
	Nancy Siti Djenar		Polytechnic Negeri Bandung
56	W. Widayat	Effect Of Liquid Smoke And Carrageenan To Beef Meatball Texture And Lightness	Diponegoro University
	Nurfika Arifiani		Diponegoro University
57	Aji Prasetyaningrum	The Effect of Ozonation Process on Antimicrobial Activity of κ -Carrageenan	Diponegoro University
	Ratnawati		Diponegoro University
	B. Jos		Diponegoro University
	A. Gunadi		Diponegoro University
	A. J. Krisnanda		Diponegoro University
58	Herry Santosa	Uniformity Of Fe Concentration: An Effort To Enhance Fortification Efficiency Using Mixing And Agitation Process	Diponegoro University
	Kristinah Haryani		Diponegoro University
	Noer Abyor Handayani		Diponegoro University
	Heri Cahyono		Diponegoro University
	Muhija		Diponegoro University
	Bontor		Diponegoro University
59	Siswo Sumardiono	Physicochemical Properties of Sago Starch Under Various Modification Process: An Overview	Diponegoro University
	Rizki Bintari Rakhmawati		Diponegoro University
60	Siswo Sumardiono		Diponegoro University

	Mohamad Djaeni	Modification Chemical and Physical Modification of Cassava Starch Using Lactic Acid and Ethanol Under Oven and Solar Drying	Diponegoro University
	Bakti Jos		Diponegoro University
	Isti Pudjihastuti		Diponegoro University
	Mohamed Abdallatif		Diponegoro University
61	Nur Aini	Quality Deterioration and Shelf Life Estimation of Corn Yogurt was Packaged by Glass Bottle	Jenderal Soedirman University
	Vincentius Prihananto		Jenderal Soedirman University
	Gunawan Wijonarko		Jenderal Soedirman University
	Yuni Astuti		Jenderal Soedirman University
	Melda Ruth Maulina		Jenderal Soedirman University
	Muthmainah		Jenderal Soedirman University
H. ENERGY RESOURCES AND MANAGEMENT			
62	W. Widayat	Biofuel Production From Kapok Seed Oil With Catalytic Cracking Process By Using Microwave	Diponegoro University
	Imam Noor Said		Diponegoro University
	Nadya Auliani Rahmatillah		Diponegoro University
63	Slamet priyanto	Preliminary study of development surfactant sodium ligno sulfonate (SLS) from waste biomass in the application of enhanced oil recovery (EOR) yield increase in production for crude oil indonesia	Diponegoro University
	Suherman		Diponegoro University
	Istadi		Diponegoro University
	Amin Nugroho		Diponegoro University
	Hapsoro Aruno Aji		Diponegoro University
64	Eflita Yohana	The Optimization of Process Production of Sunan Pecan Oil as Biodiesel using Response Surface Methodology (RSM) Method	Diponegoro University
	Diyono Ikhsan		Diponegoro University
	Mohammad Endy Yulianto		Diponegoro University
	Indah Hartati		Wahid Hasyim University
	Aditya Marga Nanta		Diponegoro University
65	Totok Prasetyo	Effect of C/N Ratio And pH on Biogas Production from Industrial Cassava Starch Wastewater Through Anaerobic Process	Semarang State Polytechnic
	Siswo Sumardiono		Diponegoro University
	Hapsoro Aruno Aji		Diponegoro University
	Anggara Yudha Pratama		Diponegoro University



HOME ABOUT USER HOME SEARCH ARCHIVE ANNOUNCEMENTS TOPICS AND
SCOPE AUTHOR GUIDELINES & SUBMISSION SCIENTIFIC COMMITTEE & ORGANIZER IMPORTANT
DATES KEYNOTE SPEAKERS REGISTRATION FEES & PAYMENT CONFERENCE VENUE
DOWNLOAD LEAFLET (PDF) PUBLICATIONS CONTACT US ACCEPTED ABSTRACTS
TEMPLATES SCHEDULE ABSTRACT BOOK

[Home](#) > [INTERNATIONAL CONFERENCE ON CHEMICAL PROCESS AND PRODUCT ENGINEERING 2016 \(ICCPPE 2016\)](#) >

[About the Conference](#) > [Conference Policies](#)

CONFERENCE POLICIES

- » [Archive Access Policy](#)
- » [Topics and Scopes](#)
- » [Guideline for Online Submission](#)
- » [Important Dates](#)
- » [Keynote Speakers](#)
- » [Registration Fees and Payment](#)
- » [Conference Venue](#)
- » [Contact Us](#)
- » [Conference Publications](#)
- » [Scientific Comittee & Organizing Comittee](#)

ARCHIVE ACCESS POLICY

The presentations that make up the current and archived conferences on this site have been made open access and are freely available for viewing, for the benefit of authors and interested readers.

TOPICS AND SCOPES

We would kind accept papers according to theme of Innovative Chemical Process and Product Development for Future Human Security, especially about all of aspect on chemical and product engineering, but not limited to

- Heat, Mass and Momentum Transfer
- Chemical Reaction Engineering and Catalysis
- Thermodynamics
- Separation and Purification Technology
- Bioprocess and Biochemical Engineering
- Clean Production and Waste Management
- Energy Conversion and Management
- Sustainable Development and Higher Education in Chemical Engineering
- Natural and Synthetic Materials Technology
- Food Science and Technology
- Modeling, Simulation, Control and Analysis of Manufacturing Processes

GUIDELINE FOR ONLINE SUBMISSION

Before submission of a manuscript can be made, an Author should first register as **Author (please check-mark the Author checklist)**. In addition, He/She may also take the opportunity to register as **Reviewer (please check-mark the Reviewer checklist)** through the following address:

<http://econference.undip.ac.id/index.php/iccppe/index/about/submissions#onlineSubmissions>

Author should fulfill the form as detail as possible where the star marked form must be entered and **don't forget to check-mark the account type checklist (reader, author or reviewer)**. After all form textboxes have been filled, Author clicks on **"Register"** button to proceed the registration. Then, Author will be brought to online author submission interface where Author should click on **"New Submission"**.

In the Start a New Submission section, the author will be directed to step one of the four-step submission process. The following are four steps in online submission process:

1. **Step 1 - Starting the Submission:** Author must check-mark on the submission checklists and copyright notice.
2. **Step 2 - Entering Submission's Metadata:** In this step, detail authors metadata should be entered including marked corresponding author. After that, manuscript title and abstract must be uploaded by copying the text and paste in the textbox including keywords also author must upload it in Step 3.
3. **Step 3 - Uploading Supplementary files:** In this step, authors must upload the abstract as supplementary file by click choose file and upload. In supplementary file meta data please fill title with title abstract and choose type as other and specify other as "abstract"
4. **Step 4 - Confirming the Submission:** Author should final check the uploaded abstract or manuscript documents in this step. To submit the manuscript to ICCPPE 2016, click Finish Submission button after the uploaded documents are correct. The corresponding author or the principal contact will receive an acknowledgement by email and will be able to view the submission's progress through the editorial process by logging in to the journal web address site.

OPEN CONFERENCE
SYSTEMS

[Conference Help](#)

USER

You are logged in as...

nuraini1973

[My Profile](#)

[Log Out](#)

NOTIFICATIONS

[View \(19 new\)](#)

[Manage](#)

CONFERENCE
CONTENT

Search

All ▼

Search

Browse

[By Conference](#)

[By Author](#)

[By Title](#)

FONT SIZE

INFORMATION

[For Readers](#)

[For Authors](#)

After this submission, Author who submit the abstract or manuscript will get a confirmation email about the submission. Therefore, Author is able to track his/her submission status at anytime by logging in to the online submission interface. The submission tracking includes status of manuscript review and editorial process.

Should the author experiences difficulty in following this abstract/manuscript submission guideline, author can submit the abstract via email to iccppeundip@gmail.com.

PREPARING GUIDELINES FOR FULLTEXT PAPER

Fulltext paper of accepted abstract should be prepared using MS Word document according to **this instruction**:

GUIDELINES FOR UPLOADING FULLTEXT PAPERS

- **Please prepare your fulltext paper according to the template as follows (please download here):** <http://goo.gl/9wob18> (under construction)
- **Guidelines for Fulltext Paper Submission by online:**
 - Please login using username and password created during abstract submission in the conference website (<http://econference.undip.ac.id/index.php/iccppe/>)
 - Click on “Active” in the Author section.
 - Click on the Title of your paper
 - You will bring to Step 3 (Upload Submission). In the “*Upload submission file*” click on button “Choose file”, and **don’t forget to click button “Upload”**
 - Upload supplementary file (if any), if not, just click Next.
 - Click “Finish Submission” on the Step 5 (Confirmation).
 - If you face any problems for uploading your full paper, we welcome you to send it via email (iccppeundip@gmail.com). Please save it with file name with format as follows: **PaperID_ 1st name of author_Institution.doc**
 - However, we prefer you uploading your full paper in your account using your username and password as created before. **Please do not make a new account for your easy administration!!**
 - All of full paper must be uploaded in our website or received by: **September 1st at 11:59 pm**
 - More than this due time, we do apologize that we cannot recognize your paper involve in our selection for publishing in *ALS Proceeding* or *BCREC Journal*. Otherwise, we would publish them in our ISBN registered regular proceeding.
 - This selection step is conducted in accordance with regulation in our committee which is a full authority of scientific committee.

Post presentation in our conference, we would put further in reviewing for selected papers.

IMPORTANT DATES

- Abstract submission due: August 1st, 2016
- Abstract acceptance notification: August 1st, 2016
- Full paper submission due: September 1st, 2016
- Early bird payment on: August 1st— 15th, 2016
- Registration payment due: September 1st, 2016
- Cancellation due: August 15th, 2016
- Conference days on: September 14—15th, 2016

KEYNOTE SPEAKERS

1. **Prof. Rosli Ilyas** (UKM Malaysia)*
2. **Prof. Shen-Long Tsai** (NTUST Taiwan)
3. **Prof. Yongchai Kwon** (Seoultech Korea)
4. **Prof. I G. Wenten** (ITB Indonesia)
5. **Prof. Dr. M. Djaeni** (UNDIP Indonesia)

*in confirmation

REGISTRATION FEES AND PAYMENT

Category	Early Bird Payment	Normal Payment
Reguler presenter	IDR 1.750,000	IDR 2,000,000
Student presenter	IDR 1,500,000	IDR 1.750,000
International presenter	USD 250	USD 300
International student	USD 150	USD 200
Participant		
Additional paper	IDR 1.250.000	IDR 1.500.000
	USD 50/paper	USD 50/paper
Refund for cancellation	(IDR 600,000)	(IDR 650,000)
	IDR 1.000,000**	

No refund or cancelation after August 15th, 2016

Registration fee must be transferred to:

- Account holder: BPn 026 UNDIP
- Account number: 0033664282
- Bank name : PT. Bank BNI (Persero)
- Bank address: Tembalang Semarang Branch Indonesia
- Swift Code: BNINIDJA

CONFERENCE VENUE

Noormans Hotel

Jl. Teuku Umar No. 27 Jatingaleh Semarang Jawa - Jawa Tengah

Phone : (024) 86010999

Fax : (024) 8509966

Email : reservation@noormanshotel.com

CONTACT US

International Conference on Chemical Process and Product Engineering 2016

Department of Chemical Engineering, Diponegoro University

Jl. Prof. H. Soedarto, SH, Kampus Undip Tembalang, Semarang 50275-Indonesia Phone: (62-24) 7460058, Fax: (62-24) 76480675

Email: iccppeundip@gmail.com

Website: <http://econference.undip.ac.id/index.php/iccppe/>

CONFERENCE PUBLICATIONS

Selected papers from this conference will be published in several Scopus-indexed journals after peer-reviewed process depending on field of the journals after the conference. The selected papers will be distributed to publish in:

- *Bulletin of Chemical Reaction Engineering and Catalysis* (ISSN 1978-2993, indexed by Scopus)
- *Advance Science Letters* (ISSN: 1936-6612/E-ISSN: 1936-7317)



<http://www.icbst.org/uploads/2/3/9/8/23987552/>

SCIENTIFIC COMITEE & ORGANIZING COMITEE

Scientific Comitee

Chair Person: Dr. Andri Cahyo Kumoro (UNDIP, Indonesia)

Members:

Prof. Rosli Ilyas (UTM, Malaysia)*

Prof. Yongchai Kwon (Seoul Tech, Korea)

Prof. Dr.-Ing. E. Tsotsas (OVGU Magdeburg, Germany)

Prof. Bambang Pramudono (UNDIP, Indonesia)

Prof. Bakti Jos (UNDIP, Indonesia)

Prof. Purwanto (UNDIP, Indonesia)

Prof. Abdullah (UNDIP, Indonesia)

Prof. Heru Susanto (UNDIP, Indonesia)

Prof. Budiyo (UNDIP, Indonesia)

Prof. M. Djaeni (UNDIP, Indonesia)

Prof. Khairurrijal (ITB, Indonesia)

Prof. Arif Budiman (UGM, Indonesia)

Assoc. Prof. Ngoh Gek Cheng (Malaya University, Malaysia)

Dr. Harendra Parekh (University of Queensland Australia)

Dr. Istadi (UNDIP, Indonesia)

Dr. Suryadi Ismadji (Univ. Widya Mandala Surabaya)



HOME	ABOUT	USER HOME	SEARCH	ARCHIVE	ANNOUNCEMENTS	TOPICS AND
SCOPE	AUTHOR GUIDELINES & SUBMISSION			SCIENTIFIC COMMITTEE & ORGANIZER		IMPORTANT
DATES	KEYNOTE SPEAKERS	REGISTRATION FEES & PAYMENT			CONFERENCE VENUE	
DOWNLOAD LEAFLET (PDF)		PUBLICATIONS	CONTACT US		ACCEPTED ABSTRACTS	
TEMPLATES		SCHEDULE	ABSTRACT BOOK			

[Home](#) > [User](#) > [Author](#) > [Submissions](#) > [#514](#) > [Summary](#)

#514 SUMMARY

KORESPONDENSI

[SUMMARY](#) [REVIEW](#)

SUBMISSION

Authors	Nur Aini
Title	Quality Deterioration and Shelf Life Estimation of Corn Yogurt Was Packaged by Polypropylene
Original file	None
Supp. files	514-462-1-SP.DOCX 28-07-2016
Submitter	Dr Nur Aini
Date submitted	July 28, 2016 - 02:50 PM
Track	General Papers
Director	Director ICCPPE (Director)

STATUS

Status	Abstract In Review
Initiated	28-07-2016
Last modified	03-08-2016

SUBMISSION METADATA

AUTHORS

Name	Nur Aini
Affiliation	Department of Agricultural Technology, Jenderal Soedirman University
Country	Indonesia
Bio statement	—
Principal contact for editorial correspondence.	

TITLE AND ABSTRACT

Title	Quality Deterioration and Shelf Life Estimation of Corn Yogurt Was Packaged by Polypropylene
Abstract	Packaging is an important factor to controlling the process of deterioration of food products, including determining the shelf life. Glass bottles are often used to package liquid products such as yogurt as well its mechanical resistance. The purpose of this research are: (1) determine the kinetics of quality deterioration yoghurt corn on the packaging of glass bottle; (2) estimate the shelf life of yogurt corn stored in glass bottle packaging. Yogurt corn packaged using glass bottles stored at 5, 10 and 15°C . Analysis of the chemical, physical and sensory carried out every 7th day of storage for 21 days of storage. Determination of shelf life is done using methods ASLT with Arrhenius models. Lactic acid bacteria decreased slightly during storage. Viscosity and protein levels decreased during the first week, then increased until the third week of storage. pH and total acid tertitiasi which tend to increase as well as the variable total dissolved solids tend constant during storage. For variable sensory panelists scoring average tends to decrease as the length of storage time. Yoghurt corn was packaged glass bottles have a shelf life of 20, 17 and 14 days at 5,10 and 15 ° C

INDEXING

Keywords	Arrhenius; corn yogurt; glass bottle; shelf life
Language	en

SUPPORTING AGENCIES

Agencies	Ministry of Research, Technology, and Higher Education, Republic of Indonesia
----------	---

OPEN CONFERENCE SYSTEMS

[Conference Help](#)

USER

You are logged in as...
nuraini1973
[My Profile](#)
[Log Out](#)

AUTHOR

[Submissions](#)
[Active \(1\)](#)
[Archive \(0\)](#)
[New Submission](#)

NOTIFICATIONS

[View \(19 new\)](#)
[Manage](#)

CONFERENCE CONTENT

[Search](#)

All

Search

Conference Information

» [Overview](#)
» [Track Policies](#)
» [Presentations](#)
» [Registration](#)
» [Accommodation](#)
» [Organizers and Partners](#)
» [Timeline](#)

Browse

[By Conference](#)
[By Author](#)
[By Title](#)

FONT SIZE

INFORMATION

[For Readers](#)
[For Authors](#)

Tulis

Kotak Masuk 346

Berbintang

Ditunda

Meet

Rapat baru

Gabung ke rapat

Hangout



Nur



Tidak ada kontak HangoutsCari
[seseorang](#)

attachments). The files should be saved as **“code-abstract”**, “cc
reviewed and the selected one will be published in **Bulletin of Ch**

We would like to remind you that the due date for early-bir

We are looking forward to seeing you in Semarang.

Dr. Suherman

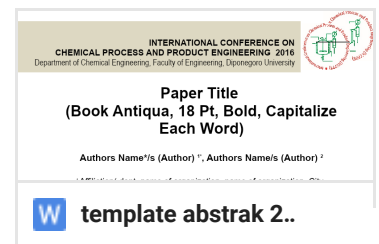
Conference Chair, Organizing Committee

INTERNATIONAL CONFERENCE ON CHEMICAL PROCESS AND

Website: <http://econference.undip.ac.id/index.php/iccppe/>

Email: iccppeundip@gmail.com

3 Lampiran



Icnppe Undip <iccppeundip@gmail.com>

kepada saya

Dr. Suherman

Conference Chair, Organizing Committee

INTERNATIONAL CONFERENCE ON CHEMICAL PROCESS AND

Website: <http://econference.undip.ac.id/index.php/iccppe/>

Email: iccppeundip@gmail.com



INTERNATIONAL CONFERENCE ON CHEMICAL PROCESS AND PRODUCT ENGINEERING 2016

Department of Chemical Engineering, Faculty of Engineering, Diponegoro University
Jl. Prof. H. Soedarto, SH Kampus Undip Tembalang-Semarang 50239, Indonesia
Telp : +62-24-7460058; Fax: +62-24-76480675; Email: iccppeundip@gmail.com;
Website: <http://econference.undip.ac.id/index.php/iccppe/>



Semarang, August 22nd, 2016

No. : 26/AA/ICCPPE/VIII/2016
App. : 4
Subject : **Accepted abstract ICCPPE 2016**

Dear Sir/Madam,

We are pleased to inform you that your abstract:

Title : Quality Deterioration and Shelf Life Estimation of Corn Yogurt Was Packaged by Polypropylene

Author : Nur Aini, Vincentius Prihananto, Gunawan Wijonarko, Yuni Astuti, Muthmainah, Melda Ruth Maulina

Code : G-3

has been accepted and will be presented for oral presentation in the International Conference on Chemical Process and Product Engineering (ICCPPE) 2016 organized by Department of Chemical Engineering Diponegoro University. The ICCPPE will be held in Noormans Hotel-Semarang on 14th -15th September 2016. Please note that this acceptance letter is also considered as **an invitation letter**.

Hence, we would like you to submit the abstract and full-paper manuscript which have been formatted according to the templates together with the CV of the presenter (please kindly find the files in the attachments). The files should be saved as **“code-abstract”, “code-paper” and “code-cv”**, respectively. Please email the files to iccppeundip@gmail.com before **10th September 2016**. The manuscript will be peer-reviewed and the selected one will be published in **Bulletin of Chemical Reaction Engineering & Catalysis** and **Advanced Science Letter**, which is indexed by Scopus.

We would like to remind you that the due date for early-bird payment is **22nd-31st August 2016**.

We are looking forward to seeing you in Semarang.

Sincerely,

Dr-Ing. Suherman
Conference Chair, Organizing Committee
INTERNATIONAL CONFERENCE ON CHEMICAL PROCESS AND PRODUCT ENGINEERING
Website: <http://econference.undip.ac.id/index.php/iccppe/>
Email: iccppeundip@gmail.com

Tulis

Kotak Masuk 346

Berbintang

Ditunda

Meet

Rapat baru

Gabung ke rapat

Hangout

Nur



Tidak ada kontak HangoutsCari
[seseorang](#)

Important notification regarding your IC

**Iccppe Undip** <iccppeundip@gmail.com>

kepada m, Ayu, saya, NURFIKA, detris, aji, nora, siswo.sumardiono

Dear Sir/Madam,

We would like to inform you that your paper are **still under review** by

However, the ASL publishers had changed the template for its public
Therefore, we kindly ask you to reformat your paper according to the

Both files (new template and CTA) are available in the attachment.

Please save the files as "**Paper code new template**" and "**Paper code revision**".

Please note, you should return the files **1 week after you receive an**

Thank you.

Dr. Suherman

Conference Chair, Organizing Committee

INTERNATIONAL CONFERENCE ON CHEMICAL PROCESS AND

Website: <http://econference.undip.ac.id/index.php/iccppe/>

Email: iccppeundip@gmail.com

2 Lampiran



Advanced Science Letters
COPYRIGHT TRANSFER AGREEMENT

ASL Template

Beliefs: Beliefs of the Generation Mode of MPA, Based Beliefs

Tulis

Kotak Masuk 346

Berbintang

Ditunda

Meet

Rapat baru

Gabung ke rapat

Hangout



Nur



Tidak ada kontak HangoutsCari
[seseorang](#)

Important notification regarding your IC



Iccppe Undip <iccppeundip@gmail.com>

kepada m, Ayu, saya, NURFIKA, detris, aji, nora, siswo.sumardiono, no

Dear ICCPPE 2016 Participants

This is to announce regarding the final stage of publication of your p
Science Letters as the publication venue of your scientific paper. Th

1. All the accepted papers should be written strictly follows th
2. The full paper should not exceed 5 pages (including text-re
3. For any addition of pages, a 25 US dollar/page will be imp
4. You reformatted paper should be sent to us via email: iccppeundip@gmail.com

Your cooperation is highly appreciated.

Best Regard

Dr. Suherman

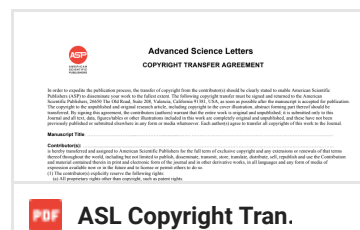
Conference Chair, Organizing Committee

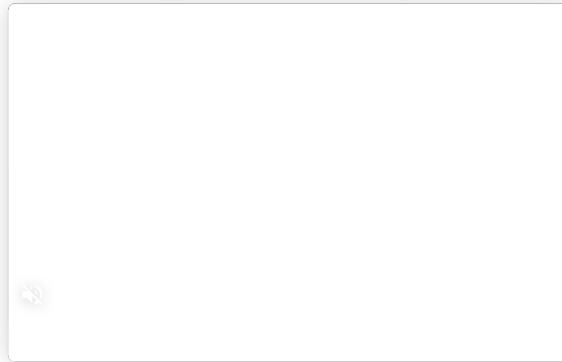
INTERNATIONAL CONFERENCE ON CHEMICAL PROCESS AND

Website: <http://econference.undip.ac.id/index.php/iccppe/>

Email: iccppeundip@gmail.com

2 Lampiran





Advanced Science Letters

Discontinued in Scopus as of 2017

COUNTRY

United States



Universities and
research
institutions in
United States

SUBJECT AREA AND CATEGORY

Computer Science
Computer Science (miscellaneous)

Energy
Energy (miscellaneous)

Engineering
Engineering (miscellaneous)

Environmental Science
Environmental Science
(miscellaneous)

Mathematics
Mathematics (miscellaneous)

Social Sciences
Education
Health (social science)

PUBLISHER

American Scientific
Publishers

H-INDEX

27



PUBLICATION TYPE

ISSN

COVERAGE


Journals

19366612, 19367317

2010-2017

SCOPE

Information not localized

 Join the conversation about this journal

Calling For Original Research

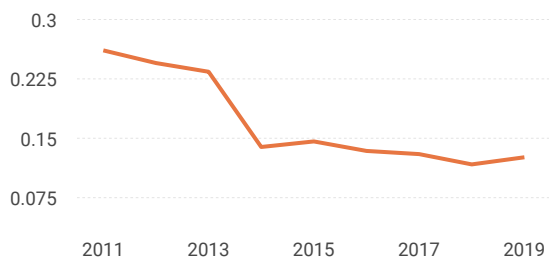
Publish In This Special Issue To Reach A Wider Audience
Openscience



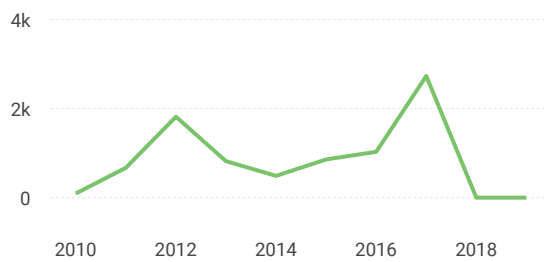
Data That Gives You an

[Start exploring >](#)

SJR

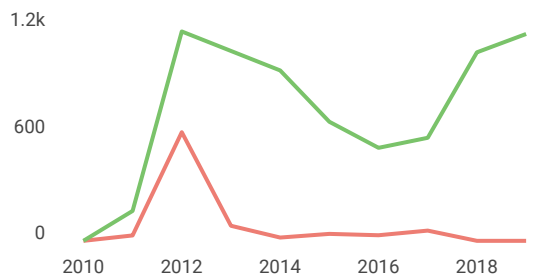


Total Documents

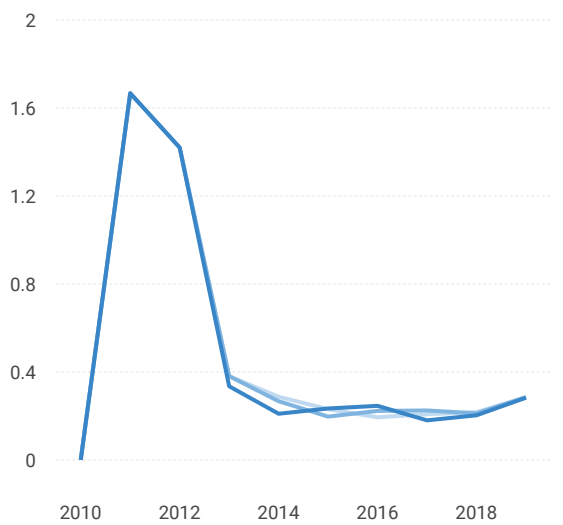


Total Cites

Self-Cites

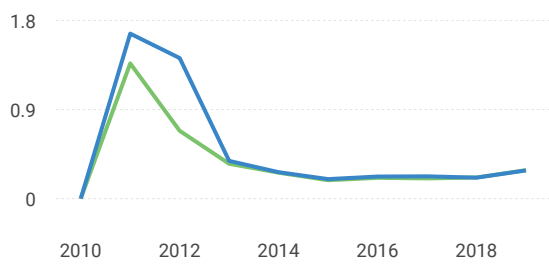


Citations per document

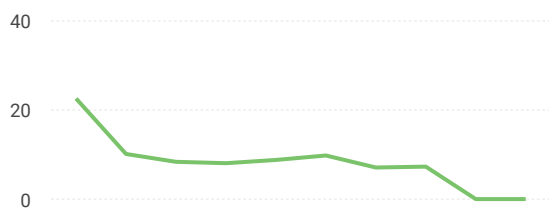


External Cites per Doc

Cites per Doc

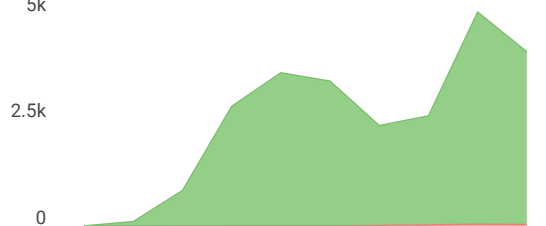


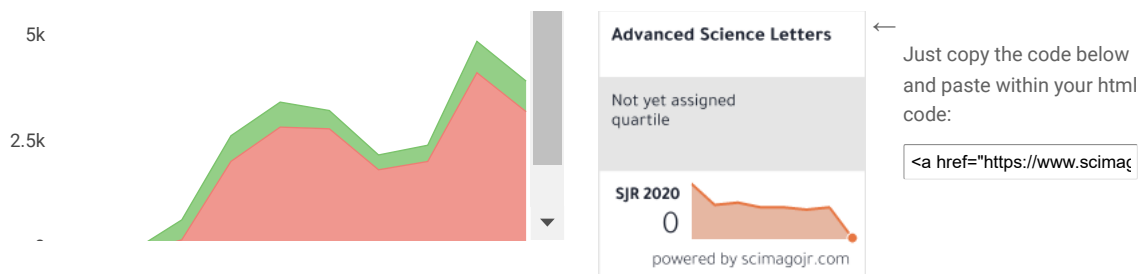
% International Collaboration



Citable documents

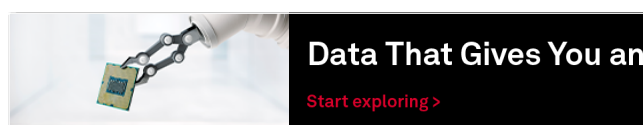
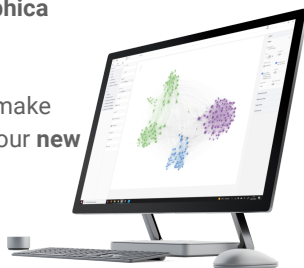
Non-citable documents





Explore, visually communicate and make sense of data with our **new free tool**.

Get it



Metrics based on Scopus® data as of April 2021

M MANOJIT DE 2 years ago

Dear Editor-in-chief,

I have published an article in this Journal. The details of the article as follows:

Name of the article: Studies on Electrical Behavior of Multiferroic Based Double Doped Bismuth Ferrite System

Authors: H. S. Tewari, Aarti Mishra, and Manojit De

Vol. 21

Number 9

Page Nuber: 2807-2810

Year: 2015

DOI: 10.1166/asl.2015.6391

Can I get the full text of this article in Journal format?

Regards,

Dr. Manojit De

reply

