

## LIST OF PARALLEL SPEAKERS

**CHEMISTRY**

**ROOM : TULIP**

**DAY 1 : MONDAY, 7<sup>th</sup> MAY 2018**

	Author(s)	Title
<b>Invited Speaker</b>		
<b>13.00-13.45</b>	Azmi Mohamed, Tretya Ardyani	Optimisation of CO <sub>2</sub> -philic Surfactant Chemical Structure for Water-in-CO <sub>2</sub> Microemulsions Stabilisation
<b>Parallel Session</b>		
<b>C1 13.45 -14.00</b>	Jaslin Ikhsan Siti Sulastri Erfan Priyambodo	Phosphate and Nitrate Sorption by Amine-Modified Silica as the Study of Slow Release Fertilizer
<b>C2 14.00 – 14.15</b>	Adang Hardi Gunawan, et al	Preparation and Quality Control of I-131 Capsules for Therapy
<b>C3 14.15 – 14.30</b>	Gesyth Mutiara Hikhmah A. I. Khoirina Dwi Nugrahaningtyas Dian Maruto Widjonarko	Slow pyrolysis of Indonesian woods waste for production of liquid fuels
<b>C4 14.30 – 14.45</b>	Sitti Rahmawati Listya Sushmita	The Utilization of Corncob for The Manufacture of Charcoal Briquette as An Alternative Fuel
<b>C5 14.45 – 15.00</b>	Endang Dwi Siswani Susila Kristianingrum	Biodiesel Synthesized From Nyamplung Seed Oil ( <i>Callopyllum inophyllum</i> ) at Various Conditions of Transesterification Used KOH as CatalysT
<b>Coffee Break (15.00 – 15.30)</b>		
<b>C6 15.30 – 15.45</b>	Azlan Kamari, et al.	Gelatin Film Incorporated with Banana Leaf Essential Oil for Food Preservation
<b>C7 15.45– 16.00</b>	Eli Rohaeti Endang W. Laksono Anna Rakhmawati	Application of nanoparticle to develop antibacterial cellulose based sweet potato wastewater with addition of chitosan and glycerol
<b>C8 16.00 – 16.15</b>	Muktiningsih Nurjayadi, et al.	Evaluation Of Primers Detection Capabilities Of The <i>pef S. typhimurium</i> Gene and The <i>fimC E.coli</i> Gene Using Real-Time PCR to Develop Rapid Detection of Food Poisoning Bacteria
<b>C9 16.15 – 16.30</b>	Susila Kristianingrum, et al	Adsorption of Copper and Chromium by Mixture Activated Charcoal of Pandanus tectorius and Zeolite
<b>C10 16.30 – 16.45</b>	Amir Awaluddin, et al.	Effect of Precursors on Morphology and Catalytic Activities of Birnessite for Methylene Blue Degradation
<b>C11 16.45 – 17.00</b>	Sulistyani Hasanah, H. Wijayanti, T.	Study of Recurrent Deacetylation Effects on Deacetylation Degree of Chitosan of Shrimp Shells Material ( <i>Litopenaeus vannamei</i> )

**CHEMISTRY****ROOM : TULIP****DAY 2 : TUESDAY, 8<sup>th</sup> MAY 2018**

	<b>Author(s)</b>	<b>Title</b>
<b>C12 12.30 – 12.45</b>	Wan Mohd Nuzul Hakimi Wan Salleh, et al.	The Essential Oils, Phytochemistry, and Biological Activities of Malaysian Beilschmiedia Species (Lauraceae)
<b>C13 12.45 – 13.00</b>	Ahmad Musa Rina Hirnawati	The Effectivity of Arowana Pinoh (Scleropages macrocephalus) Vitellogenin Production using Estradiol Stimulation by Injection and Oral
<b>C14 13.00 – 13.15</b>	Desiana Nuriza Putri Chusnul Hidayat Pudji Astuti	Phospholipid Fractination and Fatty Acids Profile of Calophyllum Kernel
<b>C15 13.15 – 13.30</b>	Nurulsaidah Abdul Rahim, et al.	Study of interaction CoPcF16 within Poly 4-vinylpyridine matrix using UV/Vis Spectroscopy
<b>C16 13.30 – 13.45</b>	Absari Hanifah Dinar Indah Lufita Sari Afrizal Lathful Fadli	Characterization of NANO-SRFs (Slow Release Fertilizer) Nanotechnology-Based Shells of Shrimp and Leather Cane
<b>C17 13.45 – 14.00</b>	Dyah Purwaningsih Roto Hari Sutrisno	Structural Characterization of LiM <sub>x</sub> . Mn <sub>2-x</sub> O <sub>4</sub> (M: Mn, Co, Ni, Cr) Via A Simple Reflux Technique
<b>C18 14.00 – 14.15</b>	Eviomitta Rizki Amanda Yanuardi Raharjo Usreg Sri Handajani	Determination of Pesticide Residue in Vegetable using Hollow Fiber Liquid Phase Microextraction Combined High Performance Liquid Chromatography
<b>C19 14.15 – 14.30</b>	Hasnor Izzati Binti Che Razali, et al.	Formation and Characterization of Water-in-Virgin Coconut Oil Concentrated Collagen Emulsion
<b>C20 14.30 – 14.45</b>	Syukriyah Ishak, et al.	Optimisation of Biodiesel Production of Black Soldier Fly Larvae Rearing on Restaurant Kitchen Waste
<b>C21 14.45 – 15.00</b>	Monika Rahardjo Ferry F. Karwur Ferdy S. Rondonuwu	Optical Properties and Relative Content Determination of Caffeine in Black Tea Liquor
<b>C22 15.00 – 15.15</b>	Rafiq Akram bin Che Razali, et al.	Preparation of Dental Composite Using Hydroxyapatite from Natural Sources and Silica
<b>C23 15.15 – 15.30</b>	Abidah Walfathiyah, et al.	Optimization of Plasticizer Glycerol in Edible Film Based Eceng Gondok (Eichornia crossipes) Starch
<b>C24 15.30 – 15.45</b>	Siti Najiah Mohd Yusoff, et al.	N-hexanoyl-O-glycol Chitosan as a Carrier Agent for Water-insoluble Herbicide
<b>C25 15.45 – 16.00</b>	Noor Rabiatus Salimin, et al.	Characterization of Virgin Coconut Oil Based Lamellar Liquid Crystal with the Incorporation of Lycopene
<b>C26 16.00 – 16.15</b>	Nur Atiqah Pauzan, et al.	Characterization of Virgin Coconut Oil-based Water-in-Oil Highly Concentrated Emulsion with the
<b>C27 16.15 – 16.30</b>	Widyastuti Widjaksana, et al.	Autosterilization Effect of Gamma Radiation in Non-sterile Radiopharmaceuticals

## CHEMISTRY EDUCATION

**ROOM : DAHLIA**  
**DAY 1 : MONDAY, 7<sup>th</sup> MAY 2018**

	<b>Author(s)</b>	<b>Title</b>
<b>CE1</b> <b>13.00 – 13.15</b>	Atiek Winarti Almubarak	Identification of Chemical Basic Cognitive Ability and Learning Styles as References for Chemical Learning Optimization
<b>CE2</b> <b>13.15 – 13.30</b>	Sophia Allamin Suyatno Utiya Azizah	Profile of Critical Thinking Skills Senior High School Students on Thermochemistry Material
<b>CE3</b> <b>13.30 -13.45</b>	Yuli Rahmawati, et al.	Who are We? Chemistry Students' Identity Empowerment through Ethnochemistry in Culturally Responsive Teaching
<b>CE4</b> <b>13.45 – 14.00</b>	Sri Yamtinah, et al.	Analysis of Students' Science Process Skills in Thermochemistry
<b>CE5</b> <b>14.00 – 14.15</b>	Stefanus Kristiyanto, et al.	Teacher's Understanding On Science Literation In Learning Chemistry
<b>CE6</b> <b>14.15 – 14.30</b>	Titin Satriana, et al.	Student's Profile of Misconception in Chemical Equilibrium
<b>CE7</b> <b>14.30 -14.45</b>	Khusnul Lusi Nursyam Syanas, et al.	Assessment of Students' Science Literacy Skills on Chemistry Learning
<b>CE8</b> <b>14.45 -15.00</b>	Sandy Abdi Kusumah Sri Atun Hari Sutrisno	The Identification of Tomini Bay as a Source of Chemistry Learning
<b>Coffee Break (15.00 – 15.30)</b>		
<b>CE9</b> <b>15.30 – 15.45</b>	Betharia Siregar Elfi Susanti Van Havus Sri Yamtinah	Students' Scientific Literacy Profile in Karanganyar
<b>CE10</b> <b>15.45 – 16.00</b>	Hilda Nita Pramesthi Ashadi Sulistyo Saputro	Content Analysis of Scientific Approach and Problem Solving in the Topic of Salt Hydrolysis
<b>CE11</b> <b>16.00 – 16.15</b>	Nani Rahmah Eli Rohaeti	An Analysis of Students' Problem-Solving Ability on Acid and Base
<b>CE12</b> <b>16.15 – 16.30</b>	Yuli Rahmawati, et al.	STEAM Integration in Chemistry Learning for Developing Critical and Creative Thinking Skills

**CHEMISTRY EDUCATION****ROOM : ORCHID****DAY 1 : MONDAY, 7<sup>th</sup> MAY 2018**

	<b>Author(s)</b>	<b>Title</b>
<b>CE13</b> <b>13.00 – 13.15</b>	Endang Widjajanti Laksono Suyanta Ihwan Rizky	Problem-Based Learning Application to Measure Critical Thinking skill and Science Process Skills of Madrasah Aliyah Students in Yogyakarta
<b>CE14</b> <b>13.15 – 13.30</b>	Sri Nuryanti Mohammad Masykuri Endang Susilowati	The Use of Problem-Based Learning Supported by Virtual Laboratory to Improve the Ability of Chemical Representation of Metal Coating
<b>CE15</b> <b>13.30 – 13.45</b>	Luthfia Ulva Irmata Sri Atun	The Influence of TPACK (Technological Pedagogical and Content Knowledge) Approach on Scientific Literacy
<b>CE16</b> <b>13.45 – 14.00</b>	Jane Arantika Sulistyo Saputro Sri Mulyani	Study of Correlation Between Student's Concept Comprehension and Science Process Skills with Guided inquiry-based Modules
<b>CE17</b> <b>14.00 – 14.15</b>	Rifqi Pratama Mohammad Masykuri Ashadi	The effectiveness of Implementation of Virtual Based guided-Inquiry Module On Thermochemistry Learning at State Senior High School 3 Selong
<b>CE18</b> <b>14.15 – 14.30</b>	Meidiana Nur Budi Prastiwi Endang. W. Laksono	The Ability of Analytical Thinking Skill and Chemistry Literacy of High School Students
<b>CE19</b> <b>14.30 – 14.45</b>	Sylvia Faustine, et al.	Students' Cognitive Structure of Acid-Base Concepts through Learning Cycle 8E Approach
<b>CE20</b> <b>14.45 – 15.00</b>	Yayuk Wulandari Isana Supiah Yosephine Louise	Applying the Reflective Pedagogic Paradigm Approach on Chemical Equilibrium Towards Learning Achievement
<b>Coffee Break (15.00 – 15.30)</b>		
<b>CE21</b> <b>15.30 – 15.45</b>	Choirunnisa Fathur Royyaan, et al.	Students' Self-efficacy, Self-regulated and Achievement: A study on Colloid Hybrid Learning and Android Game
<b>CE22</b> <b>15.45 – 16.00</b>	Zuyinatul Latifah Jaslin Ikhsan Kristian Handoyo Sugiyarto	Influence of Virtual Chemistry Laboratory Utilization (VICH-Lab) toward Self Regulated Learning
<b>CE23</b> <b>16.00 – 16.15</b>	Vioni Kurnia Armus Suyanta	Armus The Effectiveness of Student Worksheet Based on Problem Solving to Enhance Scientific Literacy
<b>CE24</b> <b>16.15 – 16.30</b>	C. Suci Puji Setyowati Isana Supiah Yosephine Louise	Implementation of Reflective Pedagogical Paradigm Approach on The Rate of Reaction to Student Achievement

**CHEMISTRY EDUCATION****ROOM : DAHLIA****DAY 2 : TUESDAY, 8<sup>th</sup> MAY 2018**

	Author(s)	Title
<b>CE25</b> <b>12.30 – 12.45</b>	Ghery Priscylio Parida Eriani, Diana Rochintaniawati	Development of Problem Based Learning (PBL) Student Worksheets on the Topic of Chemical Bonding
<b>CE26</b> <b>12.45 – 13.00</b>	Muhd Ibrahim Muhamad Damanhuri	Development of a Two-tier Multiple Choices Items to Evaluate Acid-Base Concepts in a Malaysian Context
<b>CE27</b> <b>13.00 – 13.15</b>	Retno Ayu Puspita, Maria Paristiowati Moersilah	Green Chemistry: The Use of Rose sp. Extract on Acid-Base Learning
<b>CE28</b> <b>13.15 – 13.30</b>	Dyah Muawiyah, et al.	Higher Education 4.0: Assessment on Environmental Chemistry Course in Blended Learning Design
<b>CE29</b> <b>13.30 – 13.45</b>	Fitriana Ibrahim Kristian Handoyo Sugiyarto Jaslin Ikhsan	The Development of HTML5-based Virtual Chemistry Laboratory (VICH-LAB) Media on Acid-Base Material to Improve High School Students' Self-Efficacy
<b>CE30</b> <b>13.45 – 14.00</b>	Retno Firsttio Hardiningtyas Marfuatun	Development of Website Teaching Materials Based on Systemic Approach
<b>CE31</b> <b>14.00 – 14.15</b>	Antuni Wiyarsi Hari Sutrisno Eli Rohaeti	The Effect of Multiple Representation Approach on Students' Creative Thinking Skills: A Case of 'Rate of Reaction' Topic
<b>CE32</b> <b>14.15 – 14.30</b>	Neysa Hana Kartika Sulistyo Saputro Sri Mulyani	Validation of Chemistry Module Based on Guided Discovery to Improve Critical Thinking Ability of High School Students on Thermochemistry
<b>CE33</b> <b>14.30 – 14.45</b>	Nirmala Chayati Mohammad Masykuri Suryadi Budi Utomo	Design and Validation STEM-based Lesson Plan to Improve Student's Critical Thinking Skill in Stoichiometry
<b>CE34</b> <b>14.45 -15.00</b>	Nur Fitriyana, et al.	Fostering of Students' Self-Regulated Learning and Achievement: A Study on Hydrocarbon Hybrid-Learning and Android-Based-Game
<b>CE35</b> <b>15.00 – 15.15</b>	Deanita Nastiti Sentot Budi Rahardjo Elfi Susanti VH	The Development of SSCS Module to Increase Science Generic Skill

**CHEMISTRY EDUCATION****ROOM : ORCHID****DAY 2 : TUESDAY, 8<sup>th</sup> MAY 2018**

	<b>Author(s)</b>	<b>Title</b>
<b>CE36</b> <b>12.30 – 12.45</b>	Febrian Solikhin Jaslin Ikhsan Kristian Handoyo Sugiyarto	Virtual Laboratory: Is It Required for the Chemistry Class?
<b>CE37</b> <b>12.45 – 13.00</b>	Miarti Khikmatun Nais K. H. Sugiyarto Jaslin Ikhsan	The Profile of Students' Self-efficacy Using Virtual Chem-Lab in Hybrid Learning
<b>CE38</b> <b>13.00 – 13.15</b>	Eva Lutviana, et al.	Teacher's Perception on Science Generic Skills in Chemistry Learning
<b>CE39</b> <b>13.15 – 13.30</b>	Kharisma Resti Kurnia D.S. Agung Nugroho Catur Saputro Nurma Yunita Indriyanti	Students' Scientific Reasoning Ability in High School Chemistry
<b>CE40</b> <b>13.30 – 13.45</b>	Untung Desy Purnamasari Das Salirawati	Learning Facilities in the School without Laboratory: Simple Chemistry Practicum Based on Environment by Using Experiment
<b>CE41</b> <b>13.45 – 14.00</b>	Benny Yodi Sawuwu Crys Fajar Partana	Designing Metacognitive Chemical Reading: A Stimulant for Chemical Problem Posing
<b>CE42</b> <b>14.00 – 14.15</b>	Bagus Budi Jatmiko Kristian H. Sugiyarto Jaslin Ikhsan	Developing ChemonDro Application on Redox Concepts to Improve Self-Regulated Learning of Students
<b>CE43</b> <b>14.15 – 14.30</b>	Novaliah Badrun Kartowagiran	The Content Validity of Instrument of Character Education in Chemistry Learning
<b>CE44</b> <b>14.30 – 14.45</b>	Dyah Fitriani Sani, et al.	Developing of NGSS-oriented Teaching Materials in the Bundle of Matter and Its Interactions for High School Chemistry Classroom
<b>CE45</b> <b>14.45 – 15.00</b>	Riza Dwi Puspitasari Sri Poedjiastoeti Pirim Setiarso	Profile of Senior High School Students on Scientific Literacy Skills
<b>CE46</b> <b>15.00 – 15.15</b>	Metridewi Primastuti Sri Atun	Science Tecchnology Society Learning Approach: An Effort to Improve Student Learning Outcomes