

PROGRAM OUTLINE

THE 2ND INTERNATIONAL CONFERENCE ON MATHEMATICS, SCIENCE,
TECHNOLOGY, AND EDUCATION AND THEIR APPLICATIONS (ICMSTEA) 2016

OCTOBER 3RD -4TH , 2016, UNIVERSITAS NEGERI MAKASSAR, INDONESIA

Day 1: Monday, October 3, 2016

Time	Program	Place
07.00 – 08.30	Registration	Lobby
08.30 – 10.00	Opening Ceremony 1. Official opening 2. National anthem : Indonesia Raya 3. Traditional Dance 4. Welcome Speech 5. Opening by Rector of UNM Keynote Speaker 1 Dr. Ir. H. Andi Amran Sulaiman, MP* <i>Minister of Agriculture of Republic of Indonesia</i>	Jasmine Hall
10.00 – 10.30	Tea/Coffee Break	
10.30 – 12.00	Invited Speakers 1. Prof. Alfred Edward Szmidt, Ph.D. 2. Prof. Valerio Sbordoni, Ph.D.	Jasmine Hall
12.00 – 13.30	Lunch Break & Pray	Jasmine Hall
13.30 – 15.30	Invited Speakers 1. Sitti Maesuri Patahuddin, Ph.D. 2. Prof. Birgit Loch 3. Richard Randriatoamanana	Jasmine Hall
15.30 – 15.45	Coffee Break & Pray	Jasmine Hall
15.45 – 17.30	Parallel Session	Parallel Rooms



Day 2: Tuesday, October 4, 2016

Time	Program	Place
07.00 – 08.00	Registration	Lobby
08.00 – 08.45	Keynote Speaker 2 Prof. Intan Ahmad, Ph.D. <i>Director General of Education and Student Affairs</i> <i>Ministry of Research and Technology and Higher Education of Republic of Indonesia</i>	Jasmine Hall
08.45 – 09.00	Tea/Coffee Break	Jasmine Hall
09.00 - 12.00	Invited Speakers 1. Prof. Fahrul Zaman bin Huyop, Ph.D 2. Prof. Mohd. Ekhwan Toriman, Ph.D. 3. Prof. Eko Hadi Sujiono, M.Si.	Jasmine Hall
12.00 – 13.30	Lunch Break & Pray	Jasmine Hall
13.30 – 15.15	Parallel Session	Parallel Room
15.15 – 15.30	Coffee Break	Jasmine Hall
15.30 – 17.30	Closing	Jasmine Hall

INVITED SPEAKER SESSION

Day 1: Monday, October 3, 2016		
10.30 - 11.10	<p>Prof. Alfred Edward Szmidt, Ph.D. Kyushu University, Japan <i>Genetic Structure and Evolutionary History of a Diploid Hybrid Pine Pinus densata Inferred from the Nucleotide Variation at Seven Gene Loci</i></p>	Jasmine Hall
	<p>Prof. Valerio Sbordoni, Ph.D. University of Rome Tor Vergata, Italy. <i>Biodiversity And Big Data In A Changing World: From Museum Specimens To Citizen Science</i></p>	
13.30-15.30	<p>Prof. Birgit Loch Swinburne University of Technology, Australia <i>Engaging students with tablet technology in science, technology and mathematics education</i></p>	Jasmine Hall
	<p>Sitti Maesuri Patahuddin, Ph.D. University of Canberra, Australia. <i>Assessment Within Elpsa Lesson Design</i></p>	
	<p>Richard Randriatoamanana Institute in High Performance Computing at Centrale Nantes, France <i>Why High Performance Computing (HPC) Matters?</i></p>	
Day 2: Tuesday, October 4, 2016		
09.00 – 12.00	<p>Prof. Fahrul Zaman bin Huyop, Ph.D Universiti Teknologi Malaysia, Malaysia. <i>In silico study of L-specific dehalogenase from Rhizobial species strain RC1</i></p>	Jasmine Hall
	<p>Prof. Mohd. Ekhwan Toriman, Ph.D. Universiti Kebangsaan Malaysia, Malaysia. <i>Fostering water innovation: Securing the ASEAN Water Future</i></p>	
	<p>Prof. Eko Hadi Sujiono, Universitas Negeri Makassar, Indonesia <i>Basic Research (in Physics) for Development of Nation Innovation</i></p>	



PARALLEL SESSIONS SCHEDULE



PARALLEL SESSION SCHEDULE

Day/ Date : Monday/ October 3, 2016
 Time : 15.45 – 17.10
 Room : A

No	Time	Name	Title	Institutions
1	15.30 – 15.40	A. Bida Purnamasari ¹ , Yusminah Hala ² , Oslan Jumadi ³	The Effect Of NEEM (<i>Azadirachta Indica</i>) Coated Urea Fertilizer Against NH ₄ ⁺ and NO ₃ ⁻ Concentration In Clay Loam Soil Texture	^{1,2,3} Universitas Negeri Makassar
2	15.40 – 15.50	Khalisha Azis ¹ , Wiharto ² , Sitti Saenab ² , Syamsiah ²	Plants In A Square: Explore Plants Description With <i>Qr Code</i> Feature	^{1,2,3} Universitas Negeri Makassar
3	15.50 – 16.00	Andi Asmawati Azis ¹ , Jasruddin ² , Reni ³	Teaching Material Development Based on Challenge Based Learning (CBL) to Improve Critical Thinking Ability and Human Reproduction System Material of Class XI IPA 4 Students At MAN Pinrang	^{1,2,3} Universitas Negeri Makassar
4	16.00 – 16.10	Besse Aisyah ¹ , Nurfatima ² , Rina Kurnia ³ , Andi Asmawati Aziz ⁴ , Andi Nurul Virninda Yusuf ⁵	Fostering Science Learning Quality In Frame Of Ecosystem Topic Through Lesson Study	^{1,2,3,4} MTs dan MA Madani Alauddin, ⁵ Universitas Negeri Makassar
5	16.10 – 16.20	Hartati ¹ , Liza Md Salleh ² , Mohd. Azizi Che Yunus ³	The Effect of Supercritical CO ₂ on The Antioxidant Activity of The <i>Swietenia Mahagoni</i> Seed Extract By Box-Behnken Design	¹ Universitas Negeri Makassar, ^{2,3} Universiti Teknologi Malaysia
6	16.20 – 16.30	A. Mu'nisa ¹ , A. Asmawati ² , A. Farida A ³ , Fressy FA ⁴ , Erni ⁵	Effect Of Powder Leaf Breadfruit Disposals (<i>Arthocarpus Altilis</i>) in Oil Mandar District and Polman Against Cholesterol and Glucose Mice (<i>Mus Musculus</i>)	^{1,2,3,4,5} Universitas Negeri Makassar
7	16.30 – 16.40	Nurhayani H. Muhiddin ¹ , Nurfa Yanti ² , Hasanah ³	Effect of Mixture Inoculum of Lactic Acid Bacteria (LAB) And Mold Amylolytic in Various Concentration and Fermentation Time Of Changing Protein and Hcn Content of Bitter Cassava Roots (<i>Manihot aipi</i> Phol.)	^{1,3} Universitas Negeri Makassar ² University of Halu Oleo
8	16.40 – 16.50	Abd. Muis ¹ , Adnan Gassing ² , Ismail Laumma ³ , Nurjannah ⁴	The Influence of Experiments Methods On Science Process Skill and Cognitive Learning Outcomes of The X Grade Students of MIA SMAN 1 Soppeng Riaja	^{1,2,3,4} Universitas Negeri Makassar
9	16.50 – 17.00	Alimuddin Ali ¹ , Muhammad Junda ² , Hilda Karim ³ , Sri Nurhayani ⁴ , Rizki Nuramelia ⁵	Isolation and <i>In Vitro</i> Antifungal Assay of Streptomyces Like-Strain Associate of Purple Passion Fruit Plant Isolated From Malino, South Sulawesi, Indonesia	^{1,2,3,4,5} Universitas Negeri Makassar
10	17.00 – 17.10	Anita Kairani ¹ , Tesri Maideliza ² , Mansyurdin ³	Storage Pollen of Melinjo (<i>Gnetum gnemon</i> Linn.) With Several Organic Solvent	¹ STIKes Perintis Padang, ^{2,3} Universitas Andalas



PARALLEL SESSION SCHEDULE

Day/ Date : Monday/ October 3, 2016
 Time : 15.45 – 17.10
 Room : B

No	Time	Name	Title	Institutions
1	15.30 – 15.40	Muhammad Rizal Hardiansyah ¹ , Ari Widodo ² , Any Fitriani ³	Enhancing Inquiry Ability Variation of Middle School Students Through Inquiry Learning on Heat and Transfer	^{1,2,3} Indonesia University of Education (UPI)
2	15.40 – 15.50	Mardhiyyatin Naqiyah ¹ , Nurhayati ² , M. Agus Martawijaya ³	Application of Student's Worksheet Based on Local Wisdom In Physics Learning of The Tenth Science-Grade Student of SMA NEGERI 1 SUNGGUMINASA	^{1,2,3} Universitas Negeri Makassar
3	15.50 – 16.00	Muhammad Aqil Rusli ¹ , Aisyah Azis ² , A. Momang Yusuf ³ , Agus Purwanto ⁴ , Jutri Taruna ⁵	Student's Physics Achievement And Response Through Gasing Physics Learning	^{1,2,3} Universitas Negeri Makassar, ^{4,5} STKIP Surya, Tangerang
4	16.00 – 16.10	M. Agus Martawijaya	Scientific Curiosity of The First Year Physics Student Universitas Negeri Makassar on Physics Quantity Of Water	Universitas Negeri Makassar
5	16.10 – 16.20	Syamsidar D ¹ , Nurfadilla ² , Subaer ³	The Properties of Geopolymer-TiO ₂ Nanoparticle Composite As A Potential Self-Cleaning Material	^{1,2,3} Universitas Negeri Makassar
6	16.20 – 16.30	Herman ¹ , A. Momang Yusuf ²	Implementation Of Worksheet Based On Productive Questions To Improve Inquiry Skill Of Senior High School Students	^{1,2} Universitas Negeri Makassar
7	16.30 – 16.40	Aisyah Azis ¹ , Muhammad Aqil Rusli ² , A. Momang Yusuf ³	Critical Thinking Skill of Student Through Top Down Approach in Physics Learning	^{1,2,3} Universitas Negeri Makassar
8	16.40 – 16.50	Sallehuddin Ibrahim ¹ , Mohd Amri Md Yunus ¹ , Mohd Taufiq Md Khairi ¹ and Muhammad Abu Bakar Sidik ^{2,3}	Measurement Of Solid Flow Concentration Profiles In a Pneumatic Pipeline Using Infra Red Sensors	^{1,2,3,4} Universiti Teknologi Malaysia ⁴ Universitas Sriwijaya
9	16.50 – 17.00	A. Sri Sofializa ¹ , Muhammad Arsyad ² , Muris ³	The Influence of Experiments Methods on Science Process Skill And Cognitive Learning Outcomes Of The X Grade Students Of MIA SMAN 1 SOPPENG RIAJA	^{1,2,3} Universitas Negeri Makassar
10	17.00 – 17.10	Nurasmi ¹ , Zulkifi Tri Darmawan ² , Nurfadilla ³ , Subaer ⁴	Synthesis Of Geopolymer Lightweight Concrete As Panel Print Materials For Fire And Heat-Resistant Walls	^{1,2,3,4} Universitas Negeri Makassar



PARALLEL SESSION SCHEDULE

Day/ Date : Monday/ October 3, 2016
 Time : 15.30 – 17.10
 Room : C

No	Time	Name	Title	Institutions
1	15.30 – 15.40	Indira Puteri Kinasih ¹ , Baiq Rika Ayu Febrilia ²	Enhancing Mathematics Teachers' Technological Pedagogical Content Knowledge Through Geogebra	^{1,2} IKIP Mataram
2	15.40 – 15.50	Usman Pagalay ¹ , Budimawan ² , Anisyah ³	Analysis Von Bertalanffy Equation With Variation Coefficient	^{1,3} State Islamic University Of Maulana Malik Ibrahim Malang ² Hasanuddin University
3	15.50 – 16.00	Rosidah	Statistical Reasoning Process of Student High School In Solving Statistics Problem	Universitas Negeri Makassar
4	16.00 – 16.10	Yasmin Faridhan ¹ , Birgit Loch ² , Lyndon Walker ³	Applying Learning Analytics To Identify At-Risk Students In First Year Mathematics	^{1,2,3} Swinburne University of Technology, Australia
5	16.10 – 16.20	Open Darnius	Decomposition Of Regional Income Inequality Measurement Based On Theil Index And Weighted Variance Coefficient	Universitas Sumatera Utara
6	16.20 – 16.30	Sitti Mutmainna Hasma ¹ , Suwardi Annas ² , Djadir ³	The Abstraction Ability In Constructing Relation Within Triangles By The Seventh Grade Students Of Junior High School	^{1,2,3} Universitas Negeri Makassar
7	16.30 – 16.40	Nurwati Djam'an ¹ , Bill Atweh ² , Usman Mulbar ³	Challenges associated with Professional Growth of the Teacher in Integrating RME Approach with a Focus on Social Justice in Teaching and Learning Mathematics	^{1,3} Universitas Negeri Makassar ² Educational Consultant
8	16.40 – 16.50	Andi Syukriani ^{1,a)} , Suwardi Annas ^{2,b)}	Strategic Competence in Solving Mathematics Problem Based on Cognitive Style	¹ STKIP-Pembangunan Indonesia Makassar ² Universitas Negeri Makassar
9	16.50 – 17.00	Usman Mulbar ¹ , Nasrullah ²	Applying SARAC Approach And The Effect in Learning Mathematics for Students GRADE VIII	^{1,2} Universitas Negeri Makassar
10	17.00 – 17.10	Baiq Rika Ayu Febrilia	Poisson Distribution in Data of Visitors Shopping Center And Education Center On Lombok Island	IKIP Mataram



11	17.10 – 17.20	Ansari Saleh Ahmar	Application Of Sutte Indicator In Predicting Movement Of Indonesian Stock (A Case Study Of XI Axiata Tbk And Smartfren Telecom Tbk)	Universitas Negeri Makassar
12	17.20 – 17.30	Muhammad Darwis M ¹ , Usman Mulbar ²	Comparison Between Traditional And Realistic Mathematics Education (Rme) Classrooms	^{1,2} Universitas Negeri Makassar



PARALLEL SESSION SCHEDULE

Day/ Date : Monday/ October 3, 2016
 Time : 15.45 – 17.10
 Room : D

No	Time	Name	Title	Institutions
1	15.30 – 15.40	Emmanuel Onoja ¹ , Roswanira Abdul Wahab ²	Evaluation Of The Physicochemical Characteristics Of Malaysian Oil Palm Frond Leaves As Renewable Source For Industrial Applications	Universiti Teknologi Malaysia
2	15.40 – 15.50	Muhammad Nurdin ¹ , Retno Cahyaningrum ² , Sukidi ³ , Dwipayogo Wibowo ⁴ , Maulidiyah ⁵ , Muh. Natsir ⁶ , Abdul Haris Watoni ⁷	Utilization Of Ilmenite (Feo.Tio ₂) As A Natural Catalyst For Wastewater Degradation	1,2,3,4,5,6,7 Universitas Halu Oleo
3	15.50 – 16.00	Pince Salempa ¹ , Muharram ² , Iwan Dini ³	Fractionation Ethyl Acetate Extract Of Skin Stem Soursop (A. Muricata. Linn) Potential Anticancer	1,2,3 Universitas Negeri Makassar
4	16.00 – 16.10	Maulidiyah ¹ , Thamrin Azis ² , Andi Tenri Nurwahidah ³ , Dwipayogo Wibowo ⁴ , Muhammad Nurdin ⁵	Environmental Protection By Fe@N-Tio ₂ /Ti Nanotubes Electrode : Thiamethoxam Pesticide Degradation By Photoelectrocatalytic Under Visible Light	1,2,3,4,5 Universitas Halu Oleo
5	16.10 – 16.20	Taty Sulastry	Development Of Student Worksheet Plastic Waste Being Fuel Environment Based On Environmental Chemistry Course	Universitas Negeri Makassar
6	16.20 – 16.30	Muharram ¹ , St. Nurzulaiha ² , Nurrahmania ³ , Iwan Dini ⁴ , Pince Salempa ⁵ , Maryono ⁶	Antibacterial Compounds Characterization In Chloroform Extract Leaves Of Tahiyam Plant (<i>Lantana Camara</i> Liin.)	1,2,3,4,5,6 Universitas Negeri Makassar
7	16.30 – 16.40	Iwan Dini ¹ , Maryono ² , Nurul Utami ³ , Sitti hajar ⁴ , Ahmad Hadani ⁵	Evaluation Of Antimicrobial Activity And Phytochemical Screening Of Chloroform Extract Of Usnea Sp.	1,2,3,4,5 Universitas Negeri Makassar
8	16.40 – 16.50	Hasri	Adsorption of Cd(II) Metal Ion on Adsorbent beads from Biomass <i>Saccharomyces cereviceae</i> -Chitosan	Universitas Negeri Makassar
9	16.50 – 17.00	Giri Wahyu Wiriasto ¹ , L.Syamsul Irfan A. ² , Paniran ³ , Eko Efri W ⁴ , Riri Rahmi ⁴ , Paniran ⁵ , Khairul Nizam ⁶ , Royana Afwani ⁷ , Indira Puteri Kinasih ⁸	Design, Development And Implementation Pedagogic Games (Serious Games) For Pre-School Student	1,2,3,4,5,6,7,8 Universitas Mataram
10	17.00 – 17.10	Herlinah ¹ , Baso Habibi ²	Technological Innovation Of Learning Mobile-Based Learning	1,2 STMIK handayani Makassar



PARALLEL SESSION SCHEDULE

Day/ Date : Monday/ October 3, 2016
 Time : 15.30 – 17.10
 Room : E

No	Time	Name	Title	Institutions
1	15.30 – 15.40	Muzzazinah ¹ , Tatik Chikmawati ² , Nunik Sri Ariyanti ³ , Murni Ramli ⁴ , Nurmiyati ⁵ , Muhammad Rifqi Hariri ⁶	Morphological Diversity Of Tom Jawa (<i>Indigofera Tinctoria</i> L.) in Three Islands Of Indonesia	^{1,2,3} Bogor Agricultural University ^{4,5,6} Sebelas Maret University Surakarta
2	15.40 – 15.50	Sulistiawaty	Water Content Influence To Electrical Properties From Soil Volcanic	Universitas Negeri Makassar
3	15.50 – 16.00	Haryanti Putri Rizal ¹ , Parsaoran Siahaan ² , Galuh Yuliani ³	The Relationship Of Science Knowledge And Decision Making On Socioscientific Issues: The Case Study Of Environmental Pollution	Universitas Pendidikan Indonesia
4	16.00 – 16.10	Uca	Suspended Sediment Discharge Prediction Using Various Multilayer Perceptron Neural Networks Training Algorithms in Small Catchment	Universitas Negeri Makassar
5	16.10 – 16.20	Andi Cudai Nur ¹ , Sumarlin Mus ²	Implementation Of Accreditation Policy And Quality Of Public Primary School Education Service In South-Sulawesi	^{1,2} Universitas Negeri Makassar
7	16.30 – 16.40	Ghitarina ¹ , Henny Pagoray ² , Deni Udayana ³	Utilization And Development of Lake Jempang In Mahakam Watershed, West Kutai	Universitas Mulawarman
8	16.40 – 16.50	Sudarto	Development The Learning Tools Of Science Bases Humanistics	Universitas Negeri Makassar
9	16.50 – 17.00	Omthajit Pansri	The Development Of Integrated English Learning Management Model	Naresuan University
10	17.00 – 17.10	Husnul Khatimah ¹ , Parsaoran Siahaan ² , Agus Setiabudi ³	Implementation Of Explicit-Reflective Approach To Improve Creative Thinking Skills Of Students In Junior High School On Environmental Pollution Matter	^{1,2,3} Universitas Pendidikan Indonesia



PARALLEL SESSION SCHEDULE

Day/ Date : Tuesday/ October 4, 2016
 Time : 13.30 – 15.20
 Room : A

No	Time	Name	Title	Institutions
1	13.30 – 13.40	Muhammad Wiharto ¹ , Cecep Kusmana ² , Lilik B. Prasetyo ³ , Tukirin Partomiharjo ⁴ , Hamka L ⁵ , Abd. Muis ⁶	The Group Of Understory Herbaceous Vegetation Stand At Tropical Lower Mountain Forest Of Mount Salak, West Java	^{1,5,6} Universitas Negeri Makassar, ^{2,3} Bogor Agricultural University, ⁴ Research Center for Biology - Indonesian Institute of Sciences
2	13.50 – 14.00	Andi Citra Pratiwi ¹ , Sirinapa Kijkuakul ² , Pattamon Sangin ³	The Implementation Of Conceptual Change Approach To Teach Nature Of Science and Cellular Respiration Concepts	^{1,2,3} Naresuan University, Thailand
3	14.40 – 14.10	Andi Nikhlani ¹ , Komsanah Sukarti ²	Fitoecdysteroid Effect In Artificial Food To Blue Crab (<i>Portunus Pelagicus</i>) Larvae Mortality	^{1,2} Mulawarman University
4	14.10 – 14.20	Emalia Suryani	Implementation Outdoor Learning Based On Multiple Intelligence: Improving Student's Motivation In Learning Biology	Universitas Indonesia
5	14.30 – 14.40	Rachmawaty	Characterization of Crude Chitinase Produced By <i>Trichoderma Virens</i> In Solid State Fermentation	Universitas Negeri Makassar
6	14.40 – 14.50	Halifah Pagarra	A Simplified Model Of <i>Aspergillus Niger</i> Growth Using <i>Nephrolepis Biserrata</i> Leaves For Expo-Polygalacturonase Production	Universitas Negeri Makassar
7	14.50 – 15.00	Ernawati ¹ , Nurul Muhlishah ² , Shasmita Irawan ³	Photochemistry Test and Retardation Ability of Ethanol Extract of Mangrove Leaves <i>Rhizophora mucronata</i> towards the growth of test bacteria <i>Staphylococcus aureus</i> and <i>Escherchia coli</i>	^{1,2,3} Universitas Negeri Makassar
8	15.10 – 15.20	Andi Asmawati Azis and Nani Kurnia	The Use of Human Urine As <i>Amaranthus</i> Sp. Cultivation In Gowa, South Sulawesi	Biology Department, Universitas Negeri Makassar
9	15.20 – 15.30	Acting Sub L.t.Thaweesub Koeipakvaen, Ph.D.	Physical Fitness For Futsal Referee Of Football Association In Thailand	Naresuan University, Thailand.
10	15.30 – 15.40	A.Mushawwir Taiyeb, Irma Suryani Idris and Yulianti Hasan	Analysis Of Body Image And Diet Behavior Of Young Women In Senior High School	Universitas Negeri Makassar



PARALLEL SESSION SCHEDULE

Day/ Date : Tuesday/ October 4, 2016
 Time : 13.30 – 15.30
 Room : B

No	Time	Name	Title	Institutions
1	13.30 – 13.40	Adnan ¹ , Sitti Saenab ² , Andi Rahmat Saleh ³	Unleash Students' Motivation With Blended Knowledge Transfer Instructional Model	^{1,2,3} Jurusan Biologi FMIPA Universitas Negeri Makassar (UNM)
2	13.50 – 14.00	Muhammad Junda	The Potency Of <i>Bacillus</i> Sp As Particle-Associating Bacteria In Laboratory Condition For Intensive Aquaculture System	Universitas Negeri Makassar
3	14.40 – 14.10	Yusmina Hala ¹ , A. Muflihunna ² , A. Mu'nisa ³	Antioxidant Activity Assay Of Sappan Wood (<i>Caesalpinia Sappan</i> L.)	^{1,3} Universitas Negeri Makassar ² Universitas Muslim Makassar
4	14.10 – 14.20	Muhammad Takwin Machmud	Perception Of 21 st Century Learners To The E-Books As A Learning Resources	Naresuan University. Thailand
5	14.30 – 14.40	Rosdiana Ngitung	Morphological Characteristics Goat Of Marica In Jenepono	Universitas Negeri Makassar
6	14.40 – 14.50	Ulva Nilawaty Sudarmadi ¹ , Ismail ² , Hilda ³	The Influence Of Using Destination Card Through Team Games Tournament (TGT) Type Of Cooperative Learning Toward Student's Xii Grade Achievement At SMA NEGERI 01 UNGGULAN KAMANRE, LUWU REGENCY	^{1,2} Universitas Negeri Makassar
7	14.50 – 15.00	Livana D. Rawung	The Effect Of Broodstock Supplemented Curcumin to The Early Larva Development	Manado State University
8	15.10 – 15.20	Muhammad Syahrir ¹ , Nurul Hidayat Aprilita ² , Nuryono ³ Netti Herawati	Pah Characteristics In Sediment Around Makassar Coast Using Gc-Fid	^{1,4} Universitas Negeri Makassar, ^{2,3} Universitas Gajah Mada
9	15.20 – 15.30	Hilda Karim, Halifah Pagarra, Ernawati	Exploration of Plant Species in Traditional Ceremonies Kajang Tribe in Bulukumba Regency South Sulawesi	Universitas Negeri Makassar
10	15.30 – 15.40	Dean Ri'zalt Tadisara ¹ , Andi Nurul Verminda Yusuf ² , Sitti Saenab ³	Improving Speaking Ability Of Sixth Grade Students In SDI SALUKAYU II By Using Role Play	Universitas Negeri Makassar
11	15.40 – 15.50	Ristiana Eryati ¹ , Muchlis Efendi ²	The Status Of The Coral Reef Ecosystem In Conservation Area Of Bontang Waters, East Kalimantan	^{1,2} Faculty of Fisheries and Marine Science, Mulawarman University

PARALLEL SESSION SCHEDULE

Day/ Date : Tuesday/ October 4, 2016
 Time : 13.30 – 15.10
 Room : C

No	Time	Name	Title	Institutions
1	13.30 – 13.40	Henny Pagoray ¹ , Ghitarina ² , Andi Nikhlani ³	Utilization Of Some Plants To Improve Water Quality In Post Coal Mining Pond Used For Fish Farming	^{1,2,3} Mulawarman University
2	13.50 – 14.00	Ramlawati ¹ and Ratnawaty Mamin ²	The Development Of Basic Chemistry Courses Program Based Problem Solving To Improve Students' Critical Thinking Skills	^{1,2} Universitas Negeri Makassar
3	14.00 – 14.10	Laelah Azizah ¹ , Nur Resky ²	Effectiveness of Learning Strategy Cross Puzzle in Control Vocabulary German Students at Senior High School	^{1,2} Universitas Negeri Makassar
4	14.10 – 14.20	Arsad Bahri	Exploring The Correlation Between Metacognitive Skills And Retention Of Students in Different Learning Strategies In Biology Classroom	Universitas Negeri Makassar
5	14.30 – 14.40	Muhiddin Palennari ¹ , Fitri ² , Muhammad Wiharto ³	The Contribution Of Reading Interest and Learning Habit Toward Students' Learning Outcomes in Integrated Natural Science of Secondary Schools	^{1,2,3} Universitas Negeri Makassar
6	14.40 – 14.50	Wiwik Wiji Astuti ¹ , Ismail ² , Musyafar ³	Results Increasing Student Learning Through The Use Of Biology Learning Model Cooperative Think Pair Share (Tps) The Student Class XI IPA SMA NEGERI 5 MAKASSAR	^{1,2,3} Universitas Negeri Makassar
7	14.50 – 15.00	Indira Puteri Kinasih ¹ , Baiq Rika Ayu Febrilia ²	Making Connections Between Visual and Symbolic Representation Through Interactive Learning Media	^{1,2} IKIP Mataram
8	15.00 – 15.10	Hamzah Upu	Design and Effectiveness of Mathematics Learning Package Based on Bilingual Method	Universitas Negeri Makassar
9	15.10 – 15.20	Fajar Arwadi	The Influence of Mathematical's Reasoning Ability and Gender Difference for Mathematical Conceptual Understanding	Universitas Negeri Makassar
10	15.20 – 15.40	Asdar	Authentic Assesment In Mathematics Instruction Model Based On Conceptual Conflict	asdarku@gmail.com



PARALLEL SESSION SCHEDULE

Day/ Date : Tuesday/ October 4, 2016
 Time : 13.30 – 15.00
 Room : D

No	Time	Name	Title	Institutions
1	13.30 – 13.40	Dewanthikumala ¹ , S. Salmiah Sari ² , Nurhayati ³	Application Of Simulation-Based Media To Physics Learning Achievement Of Student At XI IPA GRADE SMAN 1 BONTONOMPO	^{1,2,3} Universitas Negeri Makassar
2	13.50 – 14.00	Muhajirin ¹ , Sidin Ali ² , Pariabti Palloan ³	The Influence Of Problem Based Learning Model Toward Motivation And Physics Learning Outcomes Of Students Class XI EXACT SMA NEGERI 1 PARANGLOE GOWA REGENCY	^{1,2,3} Universitas Negeri Makassar
3	14.40 – 14.10	Sakti M.diah ¹ , A M Idham ² , Muhsin Z ³	Engineering Machine Dryer Method Of Vacuum With Controlled Temperature And Pressure	
4	14.10 – 14.20	Ahmad Swandi ¹ Bunga Dara Amin ²	The Development Of Student's Worksheet Of Physics Based On Virtual Simulation And Its Influence On Physics Learning Outcomes Of Students	¹ Senior High School 11 Pinrang ² Universitas Negeri Makassar
5	14.30 – 14.40	Rifaatul Mahmudah ¹ , Nurfadilla ² , Subaer ³	The Influence of Fe ₂ O ₃ Mineral on The Mechanical Properties Of Geopolymers Based On Laterite Soil Of Tanah Toraja, South Sulawesi	^{1,2,3} Universitas Negeri Makassar
6	14.40 – 14.50	Dwi Sartika Poernamasari ¹ , M. Agus Martawijaya ² and Herman ³	The Making Of Physics Textbook Based On Local Wisdom For Student Class X At SMA BARRANG LOMPO, Mathematics And Natural Sciences Faculty, Makassar State University	^{1,2,3} Universitas Negeri Makassar
7	14.50 – 15.00	¹ Rosidah, ² Usman Mulbar	Developing Thematic Based Instructional Means With Social System At Primary School In South Sulawesi	Universitas Negeri Makassar
8	15.00 – 15.10	Masitah Osman ¹ , Nasrul Ihsan ² , Muhammad Arsyad ³	Simulation Infiltration Rate Of Water On Sand Media By Finite Difference Method	^{1,2,3} Department of Physics, Universitas Negeri Makassar



PARALLEL SESSION SCHEDULE

Day/ Date : Tuesday/ October 4, 2016
 Time : 13.30 – 15.00
 Room : E

No	Time	Name	Title	Institutions
1	13.30 – 13.40	Alif Syarafi M. Nor ¹ , Nor Hisham Khamis ² , Azli Yahya ³ , Mokhtar Harun ⁴ , Ameruddin Baharom ⁵ , Kamal Khalil ⁶ , Norhalimah Idris ⁷ , Muhammad Arif Abdul Rahim ⁸	External And Puller Sound System For Swiftlet Industries In Malaysia	¹ Universiti Teknologi Malaysia, Johor, Malaysia.
2	13.50 – 14.00	Nur Akifah ¹ , Masita Husen ² , Nurfadilla ³ , Subaer ⁴	Synthesis And Characterisation Of Quartz-Geopolymer Composite For Grinding Material Application	^{1,2,3,4} Department of Physics, FMIPA, Makassar State University,
3	14.40 – 14.10	Ariani ¹ , Bunga Dara Amin ² , Ahmad Swandi ³	Student's Perception on E-Learning Combined With Physics Animations	^{1,2} Universitas Negeri Makassar, ³ Senior High School 11 Pinrang,
4	14.10 – 14.20	Masita Husen ¹ , M. Agus Martawijaya ² , Abdul Haris ³	Development Worksheet Outside Class Based On Local Wisdom In The Physics Subject For Student XI CLASS OF SMA BARRANG LOMPO	^{1,2,3} Department of Physics, FMIPA, Makassar State University, Makassar, Indonesia
5	14.30 – 14.40	A.J. Patendean	The Influence Of Healthy Environment And The Healthy Living Behavior Towards The Health Status	Universitas Negeri Makassar
6	14.40 – 14.50	Abdul Haris ¹ , Nurul Kusuma Wardani ² , Herman ³	Implementation Of Dynamic Problem Solving Strategies Towards Science Process Skill For Basic Electronics Subject At Physics Teacher Candidate, Physics Department, Universitas Negeri Makassar	^{1,2,3} Universitas Negeri Makassar
7	14.50 – 15.00	Hisyam Ihsan dan Ahmad Zaki	Design and Development of Learning Model of Mathematics Based On Student Performance of International Class Program	Universitas Negeri Makassar
8	15.00 – 15.10	Agustan, Dwi Juniati, Tatag Yuli Eko Siswono	Perspective Teacher Reflective Thinking in Solving Contextual Mathematical Problem: A case Study of Female Filed Independent (F1) Prospective Teacher	¹ Universitas Muhammadiyah Makassar, ^{2,3} Universitas Negeri Surabaya

