

THE 4th ICMSE 2017 PROGRAMME

Time	Event
07.30-08.30	Registration
08.30-09.00	Opening Ceremony
	Plenary Session I
09.00-09.30	<p>Dr. Paristiyanti Nurwardani, M.P. Director of Learning Directorate General of Learning and Student Affairs Ministry of Research, Technology and Higher Education</p>
	Chairman: Prof. Dr. St. Budi Waluya, M.Si.
09.30-09.45	Coffee Break
	Plenary Session II
09.45-11.15	<p>Prof. Dr. Sankar Duraisamy Sambasivam School of Applied Sciences and Mathematics, Universiti Teknologi Brunei, Jalan Tungku Link, Gadong BE1410, Brunei Darussalam <i>“Mathematical Modelling of Blood Flow in Narrow Constricted Arteries Under External Body Acceleration”</i></p>
	<p>Prof. Dr. Young Jun CHANG 163 Seoulsiripdae-ro, Dongdaemun-gu, Department of Physics, University of Seoul, Seoul <i>“New Functionality in Epitaxial Thin Films”</i></p>
	<p>Prof. Dr. Francis Q. Brearley Manchester Metropolitan University, United Kingdom <i>“Understanding Mychorrizal Fungi in Tropical Forests”</i></p>
	Chairman: Dra. Langlang Handayani M.App.Sc

	Plenary Session III									
11.15-12.15	Prof. Dr. Uda Hashim School of Microelectronic Engineering, Universiti Malaysia Perlis <i>“University-Industry Research Engangement in Medical Diagnostic Applications: Unimap Experience”</i>									
	Prof. Dr. Ir. Dewa Ngurah Suprpta, M.Sc. Laboratory of Biopesticide, Faculty of Agriculture Udayana University <i>“Development of Bio-Agents for Sustainable Agricultural System : The Success Depending on The Progress of Basic Sciences”</i>									
	Chairman: Dr. Andreas Priyono Budi Prasetyo M.Ed.									
12.15-13.00	Lunch Break									
PARALLEL SESSION										
DAY 1										
	R-01	R-02	R-03	R-04	R-05	R-06	R-07	R-08	R-09	R-10
Chairman	CH-01	CH-02	CH-03	CH-04	CH-05	CH-06	CH-07	CH-08	CH-09	CH-10
13.00-13.20	M-01	M-15	ME-01	ME-09	IS-01	IS-02	CE-01	SE-14	B-01	CS-01
13.20-13.35	M-02	M-16	ME-02	ME-10	P-01	C-01	SE-01	SE-15	B-02	CS-02
13.35-13.50	M-03		ME-03	ME-11	P-02	P-08	SE-02	SE-16	B-03	CS-03
13.50-14.05	M-04	M-18	ME-04	ME-12	P-03	P-09	SE-03	SE-17	B-04	CS-04
14.05-14.20	M-05	M-19	ME-05	ME-13	P-04	P-10	SE-04	SE-18	B-05	CS-05
14.20-14.35	M-06	M-20	ME-06	ME-14	P-05	P-11	SE-05	SE-19	B-06	CS-06
14.35-14.50	M-07	M-21	ME-07	ME-15	P-06	P-12	SE-06	SE-20	B-07	CS-07
14.50-15.05	M-08	M-22	ME-08	ME-16	P-07	P-13	SE-07	SE-21	B-08	CS-08
15.05-16.00	Cofee Break and Poster Session									
Chairman	CH-11	CH-12	CH-13	CH-14	CH-15	CH-16	CH-17	CH-18	CH-19	CH-20
16.00-16.15	M-09	M-23	ME-17	ME-23	PE-01	PE-07	SE-08	SE-22	B-09	CS-09
16.15-16.30	M-10	M-24	ME-18	ME-24	PE-02	PE-08	SE-09	SE-23	B-10	CS-10
16.30-16.45	M-11	M-25	ME-19	ME-25	PE-03	PE-09	SE-10	SE-24	B-11	CS-11
16.45-17.00	M-12	M-26	ME-20	ME-26	PE-04	PE-10	SE-11	SE-25	B-23	
17.00-17.15	M-13	M-27	ME-21	ME-27	PE-05	PE-11	SE-12	SE-26	BE-02	
17.15-17.30	M-14	M-28	ME-22	ME-28	PE-06	PE-12	SE-13	SE-27	C-02	

19.00-21.00	GALA DINNER									
DAY 2										
Chairman	CH-21	CH-22	CH-23	CH-24	CH-25	CH-26	CH-27	CH-28	CH-29	CH-30
08.00-08.15	M-29	ME-32	ME-40	ME-48	P-14	PE-13	SE-28	B-12	ME-57	SE-40
08.15-08.30	M-30	ME-33	ME-41	ME-49	P-15	PE-14	SE-29	B-13	ME-58	SE-38
08.30-08.45	M-31	ME-34	ME-42	ME-50	P-16	PE-15	SE-30	B-14	ME-59	SE-39
08.45-09.00	M-32	ME-35	ME-43	ME-51	P-17	PE-16	SE-31	B-15	ME-60	P-24
09.00-09.15	M-33	ME-36	ME-44	ME-52	P-18	PE-17	SE-32	B-16	ME-61	P-25
09.15-09.30	ME-29	ME-37	ME-45	ME-53	P-19	PE-18	SE-33	B-17	ME-62	P-29
09.30-09.45	ME-30	ME-38	ME-46	ME-54	P-20	PE-19	SE-34	B-18	ME-63	P-30
09.45-10.00	ME-31	ME-39	ME-47	ME-55	P-21	P-26	SE-35	B-19	ME-64	B-21
10.00-10.15	M-34	ME-65	ME-67	ME-56	P-22	P-27	SE-36	B-20	ME-68	B-22
10.15-10.30	M-17	ME-66			P-23	P-28	SE-37	BE-01		B-24
10.30-10.45										
10.45-11.00										

Invited Speaker	
Code	Name and Paper
IS-01	<p>(Invited Speaker) Prof. Dr. Atsushi Kohno</p> <p>Department of Applied Physics, Fukuoka University</p> <p><i>“Formation and Nano-Properties of Perovskite-Type Ferroelectric Nanoparticles on Silicon Substrates”</i></p>
IS-02	<p>(Invited Speaker) Cepi Kurniawan, Ph.D.</p> <p>Department of Chemistry, Universitas Negeri Semarang</p> <p><i>“Heterogenized Homogenous Molecular Catalyst for Hydrogen Evolution”</i></p>

Chairman

Code	Name	Code	Name
CH-01	Endang Sugiharti	CH-21	Amin Suyitno
CH-02	Muhammad Kharis	CH-22	Cicik Dian Pratiwi
CH-03	Amin Suyitno	CH-23	Ardhi Prabowo
CH-04	Jenny Ayu Rahmawati	CH-24	Jenny Ayu Rahmawati
CH-05	Ellianawati	CH-25	Widya Nurul Jannah
CH-06	Siswanto	CH-26	Hesti Nikmah Safitri
CH-07	Muhamad Taufik Hidayat	CH-27	Fidia Fibriana
CH-08	Nisrina Imtinan	CH-28	Nisrina Imtinan
CH-09	Fidia Fibriana	CH-29	Muhammad Abdullah
CH-10	Much Aziz Muslim	CH-30	Nuriana Rachmani
CH-11	Florentina Yuni Arini		
CH-12	Mulyono		
CH-13	Wardono		
CH-14	Rochmad		
CH-15	Budi Astuti		
CH-16	Nila Prasetya Aryani		
CH-17	Sri Kadarwati		
CH-18	Sahrul Saehana		
CH-19	Yustinus Ulung Anggraito		
CH-20	Aji Purwinarko		

Mathematics

Code	Title and Author
M-01	Determinant of Household Tourism Expenditure in Central Java Province, Indonesia. <i>by Sri Subanti, Respatiawulan, Sri Sulistijowati, Arif Rahman Hakim</i>
M-02	A Comparison of Heuristic Method and Llewellyn's Rules for Identification of Redundant Constraints. <i>by Yully Estiningsih, Farikhi, Heru Tjahjana</i>
M-03	Lamp Control Using Principles of Mathematical Logic. <i>by Erfan Yudianto, Frenza Fairuz Firmansyah, Putra Suci Bahtiar Syech Akbar, Robiatun Nisyak, Fristia Aulia Maudi, Adhila Nuril Saputri</i>
M-04	The Optimal Solution of Full Fuzzy Transportation Problems Using Total Integral Ranking. <i>by M Sam'an, Farikhin, S Hariyanto, B Surarso</i>
M-05	Local Instructional Theory Spherical Geometry to Enhancement Strategic

	Competence. by <i>Ida Nuraida, Yaya S. Kusumah, and Bana G. Kartasasmita</i>
M-06	Stability Analysis Model of Bacillus Antracis Using SEIQR Population Compartment with Quarantine in Indonesia. by <i>Prihantini, Fitriana Yuli Saptaningtyas</i>
M-07	Economic Order Quantity (EOQ) by Game Theory Approach in Probabilistic Supply Chain System under Service Level Constraint for Items with Imperfect Quality. by <i>Rubono Setiawan</i>
M-08	Probabilistic Soft Sets and Dual Probabilistic Soft Sets in Decision Making With Positive and Negative Parameters. by <i>Fatia Fatimah, Dedi Rosadi, RB. Fajriya Hakim</i>
M-09	Ant Colony Algorithm for Clustering in Portfolio Optimization. by <i>Retno Subekti, Eminugroho Ratna Sari, Rosita Kusumawati</i>
M-10	The Bivariate Regression Model and its Application. by <i>Pratikno, B, Sulistia, L and Saniyah</i>
M-11	Dynamical Analysis of Lorenz System on Traffic Problems in Yogyakarta. by <i>Hartono, Fitriana Yuli Saptaningtyas, Kus Prihantoso Krisnawan</i>
M-12	Internal Process: What is Abstraction and Distortion Process? by <i>FR Fiantika, IK Budayasa, A Lukito</i>
M-13	The Convergence of The Order Sequence and The Solution Function Sequence on Fractional Partial Differential Equation. by <i>E. Rusyaman, K.Parmikanti, D. Chaerani, Asefan, I. Irianingsih</i>
M-14	Implementation of Sobel Method to Detectiontheseed Rubber Plant Leaves. by <i>Suyanto</i>
M-15	Plant Calender Pattern Based on Rainfall Forecast and the Probability of Its Success in Deli Serdang Regency. by <i>Open Darnius, Syahriol Sitorus</i>
M-16	Regional Income Inequality Model Based on Theil Index Decomposition and Weighted Variance Coeficient. by <i>Henry Rani Sitepu, Open Darnius, Wesley N. Tambunan, Marihat Situmorang</i>
M-17	Stability Analysis of Thin Film Model. by <i>L. H. Wiryanto</i>
M-18	Item Validity vs. Item Discrimination Index: a Redundancy? by <i>Regina Lichteria Panjaitan</i>
M-19	The Unstable Equilibrium Points of Cervical Cancer Mathematical Modelling. by <i>Tri Sri Noor Asih, Masrukan</i>
M-20	Integrating Spatial and Numerical Structure in Mathematical Patterning. by <i>Khomsatun Ni'mah, Purwanto, Edy Bambang Irawan, Erry Hidayanto</i>
M-21	Yager's Ranking Method for Solving the Trapezoidal Fuzzy Number Linear Programming. by <i>Karyati, Dhoriva Urwatul Wutsqa, Nur Insani</i>
M-22	A Study on Generalized Hesitant Intuitionistic Fuzzy Soft Sets. by <i>Admi Nazra</i>
M-23	Modeling of Nitrogen Transformation in A Integrated Multhi-Trophic Aquaculture (IMTA). by <i>Silfiana, Widowati, S P Putro, T Udjiani SRRM</i>
M-24	Mathematical Modeling of Avian Influenza Epidemic with Bird Vaccination in Constant Population. by <i>Muhammad Kharis, Amidi</i>

M-25	Exploring Ethnomathematics in Central Java. by Zaenuri, Nurkaromah Dwidayati
M-26	Aplication of Spherical Trigonometry in Astronomy (Ilmu Falak) (Case Study Getting Azimuth Formula of Qibla Direction). by Maryanto, Anisah Budiwati
M-27	Convergence Properties of The Em Algorithm in The Mixture Model with Missing Data. by Nurkaromah Dwidayati, Zaenuri
M-28	Priority Economic Sector and Household Income in Indonesia (An Analysis of Input Output). by Sri Subanti, Arif Rahman Hakim, Sulisty Saputro, Inaki Maulida Hakim
M-29	Communication and Transportation as Quality of Life Determinants Based on Cities in Province of Central Java and Special Region of Yogyakarta. by Sri Subanti, Hartatik, Arif Rahman Hakim, Akhmad Daerobi, Rai Rake Setiawan
M-30	Existence and Characterization of Optimal Control in Mathematics Model of Diabetics Population. by Anindita Henindya P., R. Heru Tjahjana, Titi Udjiani
M-31	On Computing : The Inverse of Centrosymmetric Matrix. by Nur Khasanah, Farikhin, Bayu Surarso
M-32	Measuring Economic Value for Tourism Destination using Contingent Valuation Method : The Sangiran Sites, Central Java Province, Indonesia. by Sri Subanti, Etik Zukhronah, Sri Sulistijowati, BRM Bambang Irawan, Arif Rahman Hakim
M-33	Design of The Subject Matter About Analytical Geometry of Space Based Augmented Reality. by Nurmawati, Suparman
M-34	Variational approximations for twisted solitons in a parametrically driven discrete nonlinear Schrodinger equation. by M. Syafwan, Efendi, N. Arifin

Mathematics Education

Code	Title and Author
ME-01	Identification of Van Hiele Level Students on the Topic of Space Analytic Geometry. by Erfan Yudianto, Sunardi, Titik Sugiarti, Susanto, Suharto
ME-02	How to Solve Contextual Problem Using Thinking Geometry?. by Abi Suwito, Purwanto, Nengah Parta, Santi Irawati
ME-03	An Analysis of Mathematical Connection Ability Based on Student Learning Style on Visualization Auditory Kinesthetic (Vak) Learning Model With Self Assessment. by Salisatul Apipah, Kartono, Isnarto
ME-04	The Enhancement of Student's Mathematical Representation Ability in Junior High School Using Cognitive Apprenticeship Instruction (CAI). by Beni Yusepa, G.P., Yaya S. Kusumah, Bana G. Kartasasmita

ME-05	Characteristic of Critical and Creative Thinking of Students of Mathematics Education Study Program. <i>by Rochmad, Arief Agoestanto, Muhammad Kharis</i>
ME-06	How Do Open-Ended Problems Promote Mathematical Creativity? A Reflection of Bare Mathematics Problems and Contextual Problems. <i>by Ariyadi Wijaya</i>
ME-07	Instructional Design in Mathematics for Undergraduate Students Based on Learning by Mistakes Approach Utilizing Scilab Assistance. <i>by H Kartika</i>
ME-08	Developing Group Investigation-Based Book on Numerical Analysis to Increase Critical Thinking Student's Ability. <i>by Swasti Maharani, Edy Suprpto</i>
ME-09	Lesson Study on Grade 2nd SDN 1 Rempek to Improve The Student Numeracy Skill. <i>by Ardhi Prabowo, Asih, Jumardi</i>
ME-10	Improving The Skills of Developing Geometry Learning by Building the Character of Academic Culture in PGSD Unnes. <i>by Nursiwi Nugraheni, Wahyuningsih</i>
ME-11	Students Difficulties in Probabilistic Problem-Solving. <i>by Depi Puspita Arum, Tri Atmojo Kusmayadi, Ikrar Pramudya</i>
ME-12	Analysis of Problem Solving on Project Based Learning with Resource Based Learning Approach Computer-Aided Program. <i>by Krida Singgih Kuncoro, Iwan Junaedi, Dwijanto</i>
ME-13	How does the High School Maths Teacher Prepare the Learning Process Based on the 2013 Curriculum. <i>by Ikhsan Abdul Latif, Dewi Retno Sari S, Riyadi</i>
ME-14	Mathematics Authentic Assessment on Statistical Learning: The Case for Student Mini Projects. <i>by Desrina Fauziah, Mardiyana, Dewi Retno Sari Saputro</i>
ME-15	Developing Non-Routine Problems for Assessing Students' Mathematical Literacy. <i>by Nila Mareta Murdiyani</i>
ME-16	Analysis of mathematical problem solving ability viewed from student's belief about mathematics and metacognition on Problem Based Learning. <i>by Mulyono, Rini Hadiyanti</i>
ME-17	Analysis of Problem Solving in Terms of Cognitive Style. <i>by Rr Chusnul Chotimah A</i>
ME-18	Choosing Appropriate Independent Variable in Educational Experimental Research: Some Errors Debunked. <i>by Regina Lichteria Panjaitan</i>
ME-19	Social Interaction Student in Mathematics Learning. <i>by Broto Apriliyanto, Dewi Retno Sari S., Riyadi</i>
ME-20	Use of Open Ended Problems as The Basis for The Mathematical Creativity Growth Disclosure of Student. <i>by Amin Suyitno, Hardi Suyitno, Rochmad, and Dwijanto</i>
ME-21	Exploring Students' Adaptive Reasoning Skills and Van Hiele Levels: A Case Study in Geometry. <i>by Heru Tri Novi Rizki, Diena Frentika, Ariyadi Wijaya</i>
ME-22	Analysis of Students' Mathematical Critical Thinking Skills in Problem Solving Reviewed from Self Regulated Learning. <i>by Anisa Septi Bayuningsih, Budi Usodo, and Sri Subanti</i>

ME-23	An Instrument Measuring Prospective Mathematics Teacher Self Regulated Learning : Validity And Reliability. by <i>Aryo Andri Nugroho, Dwi Juniati, Tatag Y.E. Siswono</i>
ME-24	The Difficulties of Teacher in Teaching Geometry for Mental Retardation Students. by <i>Zahid Abdush Shomad , Tri Admojo Kusmayadi , and Riyadi</i>
ME-25	The Experiment of Cooperative Learning Model Type Team Assisted Individualization (Tai) on Three Dimensional Space Subject Viewed From Spatial Intelligence. by <i>Immanuel Y H Manapa, Budiyo, Sri Subanti</i>
ME-26	Student Mathematical Imagination Instruments: Construction, Cultural Adaptation and Validity. by <i>Ida Dwijayanti, I Ketut Budayasa, Tatag. Y. E Siswono</i>
ME-27	Improving Pedagogic Competence using an E-Learning Approach for Pre-service Mathematics Teachers. by <i>Endah Retnowati, Nila Mareta Murdiyani, Marsigit, Sugiman, Ali Mahmudi</i>
ME-28	Developing Mathematics Edutainment Media for Android Oriented to Students' Understanding and Interest: A Teachers' review. by <i>Wahyu Setyaningrum, Nur Hadi Waryanto</i>
ME-29	Analysis of The Ability of Mathematical Reflection and Communication and The Effect on Math Learning Achievement Through Learning Implementation of Cooperative Learning Type Student Teams Achievement Division and Conventional. by <i>Tan Hian Nio, St. Budi Waluya, Kartono, Rochmad</i>
ME-30	The Geometry Ability of Junior High School Students in Karanganyar Based on The Hoffer's Theory. by <i>Ani Nurwijayanti, Budiyo, Laila Fitriana</i>
ME-31	Group Investigation With Scientific Approach in Mathematics Learning. by <i>Dwi Indarti, Mardiyana, Ikrar Pramudya</i>
ME-32	Analysis of Mathematical Literacy Ability Based on Goal Orientation in Model Eliciting Activities Learning with MURDER Strategy. by <i>R Wijayanti, S B Waluya, Masrukan</i>
ME-33	Analysis of Mathematical Literacy Ability Based on Self-Efficacy in Model Eliciting Activities Using Metaphorical Thinking Approach. by <i>Crisilia Setiani, S.B. Waluya, Wardono</i>
ME-34	An Analysis of Students' Difficulties in Solving Linear Equation Problems. by <i>S Wati, L Fitriana, and Mardiyana</i>
ME-35	The Analysis of Student's Critical Thinking Ability on Discovery Learning by Using Hand on Activity based on The Curiosity. by <i>E Sulistiani, S B Waluya, Masrukan</i>
ME-36	Designs of Goal-Free Problems for Trigonometry Learning. by <i>Sity Rahmy Maulidya, Endah Retnowati</i>
ME-37	Analysis of Critical Thinking Ability of VII Grade Students based on the Mathematical Anxiety Level through Learning Cycle 7E Model. by <i>Eko Widyaningsih, St. Budi Waluya, Ary Woro Kurniasih</i>
ME-38	Metacognitive Ability of Male Students: Difference Impulsive-Reflective

	Cognitive Style. <i>by Muhtarom, Sugiyanti, Rizky Esti Utami and Kristi Indriana</i>
ME-39	Mobile Phone Application for Mathematics Learning. <i>by Supandi Supandi, Lilik Ariyanto, Widya Kusumaningsih, Aurora Nur Aini</i>
ME-40	The Roles of Lesson Study in Development of Mathematics Learning Instrument based on Learning Trajectory. <i>by Misnasanti, Fatya Azizah, Cendekia Ad Dien</i>
ME-41	Creative Thinking Level of Students with High Capability in Relations and Functions by Problem Based Learning. <i>by Febrian Nurdyani, Isnandar Slamet, Imam Sujadi</i>
ME-42	Spatial ability of slow learners based on Hubert Maier theory. <i>by Intan Permatasari, Ikrar Pramudya, Tri Atmojo Kusmayadi</i>
ME-43	The Implementation of Skill Assessment by The Educator on The Mathematics Learning Process in Senior High School. <i>by I Lestariani, I Sujadi, I Pramudya</i>
ME-44	Development of Mathematics Learning Media in the Term "Plane" with Application Inventor (AI) Based Android on the Primary Teacher Education Lecture. <i>by Sukamto, Arfilia Wijayanti</i>
ME-45	The Effect of Think Pair Share (TPS) Using Scientific Approach on Students' Self-Confidence and Mathematical Problem-Solving. <i>by Anwar Rifai, Himmawati Puji Lestari</i>
ME-46	Tracing for the Problem Solving Ability in Advanced Calculus Class Based on Application of SAVI-PBL Model at UNNES. <i>by Emi Pujiastuti, St. Budi Waluya, Mulyono</i>
ME-47	Strategy for Integration of Coastal Culture in Learning Process of Mathematics in Junior High School. <i>by Hardi Suyitno, Zaenuri, Totok Sumaryanto F, Effandi Zakaria</i>
ME-48	Growing of the Mathematical Thinking Imaginative to Students in Designing of the Teaching Aids for APD Towards to Joyful Learning. <i>by Sugiman, Endang Sugiharti, Kurniawati Nur Fatimah</i>
ME-49	Critical Thinking Analysis based on Facione (2015) " Angelo (1995) Logical Mathematics Material of Vocational High School (VHS). <i>by Siti Yuliana Seventika, YL. Sukestiyarno</i>
ME-50	Prototype of Media Mobile Learning With Ethnomatematic Model on Geometry College. <i>by Lusi Rachmiazasi Masduki, Suparman, Edy Prayitno</i>
ME-51	Analysis of Algebraic Reasoning Ability of Cognitive Style Perspectives on Field Dependent Field Independent and Gender. <i>by Neneng Tita Rosita</i>
ME-52	Upgrading Geometry Conceptual Understanding and Strategic Competence through Implementing Rigorous Mathematical Thinking (RMT). <i>by Zahra Nugraheni, Budiyono, Isnandar Slamet</i>
ME-53	Analysis of Mathematics Literacy and Students Epistemic Curiosity in Project Based Learning With Schoology. <i>by Yoga Wicaksana, Wardono, Saiful Ridlo</i>
ME-54	Hard Work and Problem Solving based on Krulik-Rudnick's Heuristic Theory

	on Project Based Learning with OQALE Approach. <i>by Suryaningsih Tri, Sukestiyarno, Andreas Priyono</i>
ME-55	Performance of Some Numerical Laplace Inversion Methods on American Put Option Formula. <i>by Ivan Octaviano, Ayu Risanti Yuniar, Lisa Anisa, Sentot Didik Surjanto, Endah Rokhmati Merdika Putri</i>
ME-56	Exploring Mathematics Outside the Classroom with The Help of GPS-Enabled Mobile Phone Application. <i>by Adi Nur Cahyono, Matthias Ludwig</i>
ME-57	The Experimentation of LC7E Learning Model on The Linear Program Material In Terms of Interpersonal Intelligence on Wonogiri Vocational School Students. <i>by Antinah, Tri Atmojo Kusmayadi, Budi Husodo</i>
ME-58	Analysis on Junior High School Student's Answer Mistake of Problem Solving question by Realistic Mathematiccs Educations Approach. <i>by Nia Jusniani</i>
ME-59	Development of E-learning based media in Economic Mathematics Course to Increase Students' Reliance. <i>by Edy Suprpto, Swasti Maharani</i>
ME-60	Mathematics 3-D Textbook to Improve Mathematical Communication Ability Students. <i>by Sutrisno, Dina Prasetyowati, Kartinah</i>
ME-61	Designing Worked Examples for Learning Tangent Lines to Circles. <i>by Endah Retnowati, Marissa</i>
ME-62	Student Profile with High Adversity Quotient in math learning. <i>by T. Dwi Hastuti, Dewi Retno Sari S, Riyadi</i>
ME-63	The Profile of Conceptual Comprehension of Pre-service Teacher in the mathematical problem solving with Low Emotional Intelligence. <i>by Sunyoto Hadi Prayitno</i>
ME-64	Development of High School Mathematics Teaching Materials Based on Geogebra Android Version. <i>by Hedi Budiman, Sendi Ramdhani</i>
ME-65	The Analysis of Mathematical Literacy on Realistic Problem Based Learning with e-Edmodo based on Student's Self Efficacy. <i>by Wardono, Isnarto, Scolastika Mariani, Budi Waluya, Kartono, Mulyono, Kuswidyanarko A.</i>
ME-66	Predictive Factors of User Acceptance on the Primary Educational Mathematics Aids Product. <i>by Isti Hidayah, Margunani, and Dwijanto</i>
ME-67	Practicality of Ethnomathematic Learning Instruments on Fraction Materials for Elementary School Students. <i>by Ratri Rahayu, Himmatul Ulya</i>
ME-68	Supporting Second Grade Lower Secondary School Students' Understanding of Linear Equation System in Two Variables Using Ethnomathematics. <i>by Farida Nursyahidah, Bagus Ardi Saputro, Maya Rini Rubowo</i>
Physics	
Code	Title and Author
P-01	Synthesis of Iron Sand Into Yellow Pigment Using Sol-Gel Method. <i>by Agus</i>

	<i>Yulianto, Margi Fitriawan, Sulhadi</i>
P-02	Planning comparison between Intensity Modulated Radiation Therapy and Intensity Modulated Proton Therapy. <i>by Thu T C Nguyen, Binh T Nguyen, Nhon V Mai</i>
P-03	Structural and Morphological Study on ZnO:Al Thin Films Grown Using DC Magnetron Sputtering. <i>by Sugianto, Budi Astuti, Siti Nor Mahmudah, Putut Marwoto, Edy Wibowo, and Didik Aryanto</i>
P-04	Determination of Bedrock Depth at Faculty of Medicine Sebelas Maret University Surakarta Using Refraction Seismic Method. <i>by Annashr Tanjung Pridasiwi, Budi Legowo, Sorja Koesuma</i>
P-05	The simulation of a two-dimensional (2D) transport problem in a rectangular region with Lattice Boltzmann method with two-relaxation-time. <i>by Sugiyanto S., Wahyu Hardyanto, Putut Marwoto</i>
P-06	Gravity Observation Data Analysis 1988 -1998 - 2011 To Determine Gravity Changes Merapi Volcano. <i>by Rina Dwi Indriana, Kirbani SB, Ari Setiawan, T. Aris Sunantyo</i>
P-07	End User Satisfaction Analysis on Library Management System Unnes Using Technology Acceptance Model Towards National Standard of Integrated Library. <i>by Wahyu Hardyanto, Mochamad Aryono Adhi, Aji Purwinarko</i>
P-08	Bomb Calorimeter for Combustion Heat Determination. <i>by Sukiswo Supeni Edie, Hesti Nikmah Safitri, Lina Malinda Eka Kartika Sari, Putut Marwoto, Retno Sri Iswari, Masturi</i>
P-09	Effect of long fermentation to the ethanol to making bioetanol from the seeds of mango. <i>by S. Marantika, C. D. Pratiwi, P. Dwijananti, Masturi</i>
P-10	Distribution of Basic Sediments (Bedload Transport) on Changes in Coastal Coastline Donggala, Central Sulawesi Province. <i>by Amiruddin</i>
P-11	Identification Groundwater Aquifer by using Geoelectrical Method Case Study Pondok Pesantren Darussallam, Kradenan, Grobogan. <i>by Budi Legowo, Darsono, Andhika Ganda Putra, Muhammad Fachrul Rozi Kurniawan</i>
P-12	The Effect Incorporation of Ni=0.05 at Mn Site on Microwave Absorption Properties of La _{0.67} Sr _{0.33} MnO ₃ Material. <i>by Indah Fauziyah, Budhy Kurniawan and Euaggelion Putra Yandra</i>
P-13	Quality Inspection on Internal Structures of Pencils Using X-Ray Micro-Computed Tomography. <i>by Prasetyo Listiaji, Ramma Hayu Fitra, Buyung Edi Prabowo, Gede Bayu Suparta</i>
P-14	Design and development of Multipurpose Kundt's Tube as Physics Learning Media. <i>by Eko Nursulistiyi</i>
P-15	Markisa fruit (<i>Passiflora edulis</i> var. <i>flavicarpa</i>) as a fixation material of natural colour of mangrove waste on batik. <i>by Siti Nurul Izzah, Putut Marwoto, Retno Sri Iswari</i>
P-16	Optical absorption in recycled waste plastic polyethylene. <i>by Mahardika Prasetya Aji, Aan Priyanto, Jotti Karunawan, Ita Rahmawati, Annisa Lidia Wati, Nila Prasetya Aryani, and Sulhadi</i>

P-17	The Technical Implementation of An IMPT System for Research Purpose. by <i>Thu T C Nguyen, Binh T Nguyen, Nhon V Mai</i>
P-18	The Physical Growth of <i>Oreochromis niloticus</i> and Three Plant Species on the Aquaponic Technology. by <i>Ardiani Mustikasari, Putut Marwoto, and Retno Sri Iswari</i>
P-19	Identification of Aquifer Potential in Karanganyar city by using Vertical Electrical Sounding Method. by <i>Luluk Marfuatik, Sorja Koesuma, Budi Legowo and Darsono</i>
P-20	The Density and Compositional Analysis of Titanium doped Sapphire Single Crystal Grown by the Czocharlski Method. by <i>Hamdan Hadi Kusuma, Zuahiri Ibrahim and Zulkaflī Othaman</i>
P-21	Analysis of Sound Frequency and Sound Intensity in Cylindrical Musical Instrument Using Audacity Software. by <i>Dwi Nova Siti Handayani, Yudhiakto Pramudya</i>
P-22	Synthesis of Cristobalite of Natural Silica Sand from Tuban and Tanah Laut Indonesia. by <i>Upik Nurbaiti, Suminar Pratapa</i>
P-23	Permeability and Filter Retention of Zeolite Filter to Polluted Water. by <i>Ulul Amri, Masturi, S. S. Edie, R. D. Widodo</i>
P-24	Identification of Heavy Metals on Vegetables at the Banks Kaligarang River Using Neutron Analysis Activation Method. by <i>Dwi Yulianti</i>
P-25	Filtration performance of zeolite-silica filter. by <i>A. J. Sodiq, S. Nuramanah, U. Amri, R. D. Widodo, S. S. Edie, Masturi</i>
P-26	Determination of Corrosion Rate of Artificial Bone Made of Metal at Different pH Conditions using X-Ray Radiography. by <i>Sutikno, Langlang Handayani, Sukiswo Supeni Edi</i>
P-27	Magnetic Properties of Fishes from Rivers near Semarang, Central Java. by <i>Khumaedi, Upik Nurbaiti, Natalia Erna Setyaningsih</i>
P-28	Simulation of Electron Motion in Electric and Magnetic Fields Using Scratch. by <i>Arief Afandy, Wahyu Hardyanto, Isa Akhlis</i>
P-29	Groundwater Potential Prediction Using Study in Simpang Lima Semarang City and It Sorrounding. by <i>Dwi Rizki, Supriyadi, Aryani N. P., M.A Naufal</i>
P-30	Dry Dock Gate Stability Modeling. by <i>Oktoberty, Widiyanto, Eko Julianto Sasono, Sri Pramono, Agus Tri Wandono</i>

Physics Education

Code	Title and Author
PE-01	Scientific Method by Argumentation Design: Learning Process for Maintaining Student's Retention. by <i>Siswanto, Surya Gumilar, Yusiran, Bambang Subali</i>
PE-02	Development of Diagnostic Test Instruments to Reveal Level Of Student

	Conception In Kinematic And Dynamics. <i>by J. Handhika, C. Cari, A. Suparmi, W. Sunarno</i>
PE-03	Analysis of Physics Learning in School Using Scientific Approach and Authentic Assessment. <i>by Rima Chandra Hardyanti, Hartono, Fianti</i>
PE-04	Focus Group Discussion in Mathematical Physics Learning. <i>by Ellianawati, D Rudiana, J Sabandar, B Subali</i>
PE-05	Multi-Representation Ability Of Students on The Problem Solving Physics. <i>by Yoan Theasy, Wiyanto, Sujarwata</i>
PE-06	Using history of physics as a media to introduce and internalize characters values in physics instruction. <i>by Nathan Hindarto, Sunyoto E N</i>
PE-07	Achievement of Learning Outcome After Implemented Physics Module Based on Problem Based Learning (Pbl) in Newton's Law of Universal Gravitation. <i>by Renia Isna, Mohammad Masykuri, Sukarmin</i>
PE-08	Pattern of Mathematic Representation Ability in Magnetic Electricity Problem. <i>by Rambu Ririnsia Harra Hau, Putut Marwoto, Ngurah Made Dharma Putra</i>
PE-09	The Validity of the Earth and Space Science Learning Materials with Orientation on Multiple Intelligence and Character Education. <i>by W Liliawati, J. A. Utama, T. R. Ramalis, and A. A. Rochman</i>
PE-10	The Developing of Contextual Teaching and Learning (CTL) Based Science Module for Junior High School for Increasing Creativity of Students. <i>by Herdiyana Kumiasari, Sukarmin, and Sarwanto</i>
PE-11	Enhancing Students' Cognitive Skill in Nguyen Tat Thanh High School Hanoi Vietnam through Scientific Learning Material of Static Electricity. <i>by Aan Priyanto, Suharto Linuwih, Mahardika Prasetya Aji, and Do Danh Bich</i>
PE-12	The Analysis of Scientific Communications and Student Character Development through Guided Inquiry Learning. <i>by Sarwi, Nurul Fauziah, Budi Astuti</i>
PE-13	Multi-Representation Based on Scientific Investigation for Enhancing Students Representation Skills. <i>by J Siswanto, E Susantini, and B Jatmiko</i>
PE-14	Design and development of Multipurpose Kundt's Tube as Physics Learning Media. <i>by Eko Nursulistiyono</i>
PE-15	Analysis of Graphic Representation Ability in Oscillation Phenomena. <i>by Adelina Ryan Candra Dewi, Ngurah Made Dharma Putra, Susilo</i>
PE-16	The Effectiveness of The ICAR Learning Model to Increase The Ability of The Problems in Dynamic Electrical Material. <i>by Giyono, Budi Jatmiko, Endang Susantini</i>
PE-17	Students Concept Understanding of Static Fluid Based on the Types of Learning. <i>by Indah Dwi Rahmawati, Suparmi, Widha Sunarno</i>
PE-18	Achievement of Learning Outcome After Implemented Physics Module based on Problem Based Learning (PBL) in Newton's Law of Universal Gravitation. <i>by Renia Isna, Mohammad Masykuri, Sukarmin</i>

PE-19	Development of Website for Studying Modern Physics. <i>by Sahrul Saehana, Unggul Wahyono and Wiwik Widyawati</i>
Science Education	
Code	Title and Author
SE-01	The Effectiveness of Formative Assessment With UbD Stages in Forming Habits of Mind in Prospektive Teachers. <i>by Ria Yulia Gloria, Sudarmin, Wiyanto, Dyah Rini Indriyanti</i>
SE-02	Implementation of small group discussion as a teaching method in Earth and Space science Subject. <i>by Nila Prasetya Aryani, Supriyadi</i>
SE-03	The Development of Pocket Book Based on Mind Mapping and Multiple Intelligences Mushroom Material in Sma N 1 Slawi. <i>by Sri Mulyani Endang Susilowati</i>
SE-04	Factor Analysis For Instruments of Science Learning Motivation and Implementation For The Chemistry and Biology Teacher Candidates. <i>by Agung Tri Prasetya, Saiful Ridlo</i>
SE-05	Effectiveness of Critical Thinking Module in Chemical Teaching of Hydrolysis and Buffer Material. <i>by Murbangun Nuswowati, and Eli Purwanti</i>
SE-06	The influence of physical and chemical parameters on the extinction of the God Fish (<i>Tor Duoronensis</i>) species : Case Study in Balong Dalem Kuningan District. <i>by Zaenal Abidin, Putut Marwoto, Retno Sri Iswari</i>
SE-07	Simple Webs of Natural Environment Theme as a Result of Sharing in Science Teacher Training. <i>by Marisa Christina Tapilouw, Harry Firman, Sri Redjeki, Didi Teguh Chandra</i>
SE-08	Schema Building Profile among Elementary School Students in Solving Problems Related to Operations of Addition to Fractions on the Basis of Mathematic Ability. <i>by Sardulo Gembong, St. Suwarsono, Prabowo</i>
SE-09	Characteristics of Student False Consessive Failure on Fractions Concept. <i>by Henry Kurniawan, Akbar Sutawidjaja, Abdur Rahman As'ari, Makbul Muksar</i>
SE-10	Identification of Indigenous Science in the Brick-Making Process Through Ethnoscience Study. <i>by Harto Nuroso, Supriyadi, Sudarmin, Sarwi</i>
SE-11	Analysis of Science Material Concept in Junior School by Inquiry and Science Process Skills. <i>by Siti Patonah, Duwi Nuwitalia, Ernawati Saptaningrum</i>
SE-12	Guided Discovery Learning as Study Tools on Achievement in Geometry. <i>by Vertye Noor Khasanah, Budi Usodo, danti</i>
SE-13	Metacognitive Strategy and Problem Solving Ability on Mathematics Teaching-Learning Process of High School Students. <i>by Ihdi Amin, YL. Sukestiyarno, St. Budi Waluya, and Sc. Mariani</i>
SE-14	Recycled Material-based Science Instruments to Support Science Education in Rural Area. <i>by Sahrul Saehana, Muhammad Ali, Supriyatman</i>

SE-15	The Influence of Inquiry Learning Model on Additives Theme with Ethnoscience Content to Cultural Awareness of Students. <i>by Eri Selia, Sudarmin, Muhamad Taufiq</i>
SE-16	Applying Automatic Item Generation to Create Cohesive Physics Testlets. <i>by Budi Naini Mindyarto, Sunyoto Eko Nugroho, Suharto Linuwih</i>
SE-17	Implementation of STEAM Education to Improve Mastery Concept. <i>by W Liliawati, H. Rusnayani, and G. Aristantia</i>
SE-18	Analysis on Science Process Skills of Students through Contextual Approach on Science-Chemistry Learning in Taiwan. <i>by Candra Tri Kurnianingsih, Endang Susilaningsih</i>
SE-19	The use of elementary school props and science kit by teacher on learning in some elementary school at North Padang and Nanggalo sub-districts Padang city. <i>by Erwinsyah Satria</i>
SE-20	Searching on the Growth of Geometric Reasoning in Solving of Analytical Geometry Problems Through the Growth of Mathematical Communication Ability UIN Students. <i>by Mujiasih</i>
SE-21	High Order Thinking Skills; Using E-Portfolio in Project Based Learning. <i>by Marheny Lukitasari, Handhika, Wasiatul Murtafiah</i>
SE-22	Development of science learning device with a scientifically oriented spiritual approach to improve the understanding of science concepts for junior high school students in pesantren (muslim boarding school). <i>by Ridho Yanuar Dwi Primayudha</i>
SE-23	Designing and Validating of Complex System Representation Practice on Development Structure of Plant's Worksheet. <i>by Sumarno, Muslimin Ibrahim, ZA. Imam Supardi</i>
SE-24	Self Regulated Learning Trough Project Base Learning on The Prospective Math Teacher. <i>by Laelasari</i>
SE-25	Development of Guided Inquiry-Based Laboratory Worksheet on Topic of Heat of Combustion. <i>by Desri sofiani, Nurhayati, Yayan Sunarya, and Asep Suryatna</i>
SE-26	Characteristics of Teaching Materials Based on Science Literacy to Develop a Computational Thinking Skill. <i>by Fina Fakhriyah, Siti Masfuah, Mila Roysa</i>
SE-27	Applying Innovative Approach. <i>by Asri Widowati, Putri A., Zuhdan K.P, Dita A.</i>
SE-28	An Overview of Conceptual Understanding in Science Education Curriculum In Indonesia. <i>by Arif Widiyatmoko and Kinya Shimizu</i>
SE-29	The Perceptions of Junior High School Students around The Red-light District of Argorejo on Sexual Behavior. <i>by Muhamad Taufik Hidayat, Andreas Priyono Budi Prasetyo, Lisdiana</i>
SE-30	The Effect of Media Augmented Reality on Learning Outcomes of Student on the Geometrical Optics Concept. <i>by Rizky Amalia, Ai Nurlaela, Erina Hertanti</i>
SE-31	The Profile of Science Literacy Attitudes of Junior High School Students in

	Purbalingga. by Ani Rusilowati, Subur Agung Nugroho, Suharto Linuwih
SE-32	The Development of Scientific Literacy Assessment to Measure Studentâ€™s Scientific Literacy Skills in Energy Themed. by Rusilowati, A., Nugroho, S. E., Susilowati, E. S. M., Mustika, T., Harfiyani, N., Prabowo, T. H.
SE-33	Meta Analysis of Learning Design On Sciences to Develop a Teacher’s Professionalism Training Model. by Siti Alimah, Yustinus Ulung Anggraito, Andreas Priyono Budi Prasetyo, Sigit Saptono
SE-34	The Development of Scientific Literacy Assessment to Measure Studentâ€™s Scientific Literacy Skills in Energy Themed. by Rusilowati, A., Nugroho, S. E., Susilowati, E. S. M., Mustika, T., Harfiyani, N., Prabowo, T. H
SE-35	Projects for the implementation of science technology society approach in advanced natural science learning as application of optical and electrical instruments’ material. by Erwinsyah Satria
SE-36	Analysis of Creative Mathematic Thinking Ability in Problem Based Learning Model Based on Self Regulation Learning. by Detalia Noriza Munahefi, Budi Waluya, Rochmad
SE-37	Implementation of cleaner production in small industry of Amplang crackers in Ketapang district of West Borneo. by Siti Wardiyatun, Purwanto
SE-38	The Use of Banyumas Traditional Arts as Analog Sources of Elementary School Science Materials. by Langlang Handayani, Sunyoto Eko Nugroho, Tjetjep Rohendi Rohidi, Wiyanto
SE-39	Preparing Prospective Physics Teachers to Teach Integrated Science in Junior High School. by Wiyanto, Hartono, S. E. Nugroho
SE-40	Developing Calculus Textbook Model That Supported with GeoGebra to Enhancing Students’ Mathematical Problem Solving and Mathematical Representation. by Dewi, Nuriana Rachmani; Arini, Florentina Yuni

Chemistry and Chemistry Education

Code	Title and Author
C-01	Mineral Contents and Their Solubility on of Calcium Nanoparticles from The Waste of Blood Clam Cockle Shell (Anadara granosa Linn). by Sri Widyastuti, Intan Ayu Pramushinta
C-02	Quality Monitoring of Salt Produced throught Sea Water Evaporation on HDPE Geomembrane Lined Ponds. by Jumaeri and Triastuti Sulistyaningsih
CE-01	The Use of Multi Representative Learning Materials (Definitive, Makroskopik, Mikroskopik, Symbolic) and Practice in Analyzing Students’ Concept Understanding. by Endang Susilaningsih, Cahya Wulandari, Supartono, Kasmui

Biology and Biology Education

Code	Title and Author
B-01	Aggregation Pheromones for Monitoring the Coconut Rhinoceros Beetle (<i>Oryctes rhinoceros</i>) in Jerukwangi Village, Jepara, Indonesia. by <i>Dyah Rini Indriyanti, Priyantini Widiyaningrum, Ety Susilowati, Muji Slamet and Jeni Eka Lutfiana</i>
B-02	Content of Cr, Cu, Pb and Zn on Vannamei Shrimp Cultured in Modern Farm at BLUPPB, Karawang, West Java. by <i>Andi Rahman, Noverita Dian Takarina, Titin Siswantining</i>
B-03	Estrogen Hormone Level of Prepubertal Female Rat Treated with <i>Calliandra calothyrsus</i> Ethanolic Leaf Extract. by <i>Iriani Setyawati, Ngurah Intan Wiratmini, Inna Narayani</i>
B-04	The Study of Mitokondria D-Loop Gene to Detec Genetical Diversity of Gemak (<i>Turnicidae</i> Family). by <i>Ning Setiati</i>
B-05	Analysis of Extent and Spatial Pattern Change of Mangrove Ecosystem in Mangunharjo Sub-district from 2007 to 2017. by <i>Satya Budi Nugraha, Wahid Akhsin Budi Nur Sidiq, Dewi Liesnoor Setyowati, Nana Kariada Tri Martuti</i>
B-06	The Land-use Change as a Result of from Limestone Mining Activities at Landscape Karst Area Sukolilo (KBAK) (Case Study Sumberjati Pohon Village, Grobogan District). by <i>Deasy Ratna Sari, Hartuti Purnaweni, and Dwi P. Sasongko</i>
B-07	Are bird species in the Petungkriyono ecotourism forest diverse?. by <i>W. Widodo</i>
B-08	Profile of <i>Elaeocarpus grandiflorus</i> and <i>Ziziphus mauritiana</i> as identity plants of Salatiga and Tegal towns, Central Java Province, Indonesia. by <i>E S Rahayu, N K Dewi, and F P M H Bodijantoro</i>
B-09	Revitalization Model of Tapioca Industry through Environmental Awareness Reinforcement for Minimizing Water Body Contamination. by <i>Eva Banowati, Dyah Rini Indriyanti, Juhadi</i>
B-10	Testicular Histology and Blood Testosterone Levels of Male Rabbit after Given Concentrated Diets Containing <i>Calliandra</i> Leaf Meal and Pineapple Peels. by <i>Iriani Setyawati, Ni Gusti Ayu Manik Ermayanti, Ni Made Rai Suarni and Inna Narayani</i>
B-11	Characteristics of Water Solubility and Color on Edible Film Made from Bioselulosa Nata Nira Siwalan With The Additional of Glycerol. by <i>Maria Ulfah, Aufa Salsabila, Irma Rohmawati</i>
B-12	Feasibility Study and Sensory Test of Turmeric Tamarind Traditional Drink With Various Processing. by <i>Ely Rudyatmi, Siti Hamina Bintari and Retno Sri Iswari</i>
B-13	Histologic Structure Of Red Nile Tilapia Fish (<i>Oreochromis Nilloticus</i> Var.)

	Gill Which Is Exposed To Lead Acetate. by Nur Rahayu Utami
B-14	Anti-Hyperglycemic Effect of Aloe vera Peel Extract on Blood Sugar Level of Alloxan-Induced Wistar Rats. by Endah Peniati, Eka Setiadi, R. Susanti, Retno Sri Iswari
B-15	Various Dose Effect of Tomato Extract on Lipid Profile of The Hypercholesterolemia Rats. by Eling Purwantoyo, Putut Marwoto, and Retno Sri Iswari
B-16	Mitochondrial D-loop Sequence of Domesticated Waterfowl in Central Java: Goose and Muscovy Duck. by R. Susanti, Retno Sri Iswari
B-17	Litter Production of Dominant Trees in Forest Campus of State University of Semarang. by F. Putut Martin H.B., Solichin, Muhammad Abdullah
B-18	Comparative Study of Aloe vera Extract on Lipid Profile of Diabetic Rat Type 2. by Wulan Christijanti, Lisyani Suromo, and Ahmad Zulfa Juniarto
B-19	Phenotypic Analysis of Antibiotic Resistant E. coli Recovered from Urban Aquatic Environment in Banda Aceh. by Suhartono, Yulia Sari Ismail, Cut Yulvizar, Risa Nursanty, Mahyuddin, Miftahul Jannah
B-20	Response of Tobacco Seedling to the Various Concentration of Aluminium in Liquid Culture. by Yustinus Ulung Anggraito
B-21	The Potential of Shark Bone Powder in Breast Cancer Inhibition (Pre-clinical Study in DMBA-Induced Sprague Dawly Rats). by Siti Harnina Bintari and Sarjana Parman
B-22	Campus Forest Analysis Needs Based on Carbon Dioxide Emissions in Semarang State University (Unnes). by Nugroho Edi K, Margareta R, M. Arif Samsu
B-23	Antioxidative Potential of Chitosan and Vitamin C to Lead Intoxication. by A Marianti, F W Mahatmanti
B-24	The Impact of Land-Use Conversion on Food Security Limits: A Case Study in Ngawi Regency, Indonesia. by Rochmat Martanto, Eko Suharto, Sri Ngabekti
BE-01	Integration of Islamic values in Biology Teaching Planning. by Listyono, Kasmadi Imam Supardi, Nathan Hindarto, Saiful Ridlo
BE-02	Formative Learning Progression (FLP) Program to Improve Students' Reasoning Skill in Cell Biology. by Sigit Saptono, Irdam Idrus, and Sri Irawati.
Computer Science	
Code	Title and Author
CS-01	Forecasting Jakarta Composite Index (IHSG) Based on Chen Fuzzy Time Series and Firefly Clustering Algorithm. by Riani Widya Ningrum, Bayu Surarso, Farikhin, Yanuar Mahfudz Safarudin
CS-02	Expert System Irrigation Management of Agricultural Reservoir Using Analytical Hierarchy Process (AHP) and Forward Chaining Method. by Yahya

	<i>Nur Ifriza, Catur Edi Widodo, Jatmiko Endro Suseno</i>
CS-03	Anonymity Communication VPN and Tor: A Comparative Study. by <i>Erika Ramadhani</i>
CS-04	Rainfall Prediction with Backpropagation Method. by <i>Elyza Gustri Wahyuni, Ld. M. Farhan Fauzan, Fadhillah Abriyani, Nurul Fatikah Muchlis, Maria Ulfa</i>
CS-05	
CS-06	Experimental Study of Mini SCADA Renewable Energy Management System on Microgrid Using Raspberry Pi. by <i>Erik Tridianto, Prima Dewi Permatasari, Iffan Rosyadi Ali</i>
CS-07	Prototype of Media Interactive Whiteboard to Improving Psychomotor Skills of Early Childhood. by <i>Eem Kurniasih, Lusi Rachmiazasi Masduki</i>
CS-08	An intelligent switch with back-propagation neural network based hybrid power system. by <i>Ridho Hendra Yoga Perdana, Fidia Fibriana</i>
CS-09	Online Information System for Quality Data Collection of the Cattle. by <i>Endang Sugiharti, Riza Arifudin, and Anggyi Trisnawan Putra</i>
CS-10	Optimization of C4.5 Algorithm-Based Particle Swarm Optimization for Breast Cancer Diagnosis. by <i>Siti Hardiyanti Rukmana, Much Aziz Muslim, Endang Sugiharti, Budi Prasetyo</i>
CS-11	Application of the Pessimistic Pruning to Increase the Accuracy of C4.5 Algorithm in Diagnosing Chronic Kidney Disease. by <i>Much Aziz Muslim, Anisa Juli Herowati, Endang Sugiharti</i>

Poster Presentation

Code	Title and Author
PP-01	Bioelectric Production from Sediment of Pond Fishing and Molasses Using Microbial Fuel Cell (MFC) Technology-Base with the Influence of Substrate Concentration Variety. by <i>Luthfiana Mifta Syafitri, Yanuar Aji Saputro, Puji Nur Hana, Dwi Hardiani, Budi Raharjo</i>
PP-02	Preparation of High Surface Area and High Conductivity Polyaniline Nanoparticles using Chemical Oxidation Polymerization Technique. by <i>Setia Budi, Yusmaniar, Ahmad Rafly Juliana, Ucu Cahyana, Agung Imaddudin</i>
PP-03	Analysis of Mathematical Literacy in Discovery Learning Approach to Realistic-Saintific. by <i>Kamilanisa, Isnarto, Wardono</i>
PP-04	Cikapundung Watershed Land Cover Characterization Using SPOT-6 Imagery. by <i>Tantra Rahmadia, Endah Sulistyawati, Dasapta Erwin Irawan</i>
PP-05	Vegetation of Raparian Areas Along Cikapundung River. By <i>Meli Triana Devi, Endah Sulistyawati, Dasapta E. Irawan</i>
PP-06	The influence of channel lenght to the characteristics of CuPc based

	OFET thin films. <i>by Sujarwata, Langlang Handayani, Mosik, Fianti</i>
PP-07	The Analyze of Lung's GSh Number in Rats Exposed By Cigarette Smoke and Inducted by Rambutan Peel Exstract. <i>by Lisdiana, Priyantini Widyaningrum, Melisa Dwi Purwandari</i>
PP-08	Characterization of Sensitivity and Response Time of Plastic Optical Fiber Sensor to Cadmium Ion. <i>by Ian Yulianti, Ngurah Made D. P, Masturi, Ida Vaeruza A, Diah Ary P, Ni'ama Akmalia</i>
PP-09	Optimization of Exposure Factors for X-Ray Radiography Non Destructive Testing of Pearl Oyster. <i>by Susilo, Ian Yulianti, Ani'atul Addawiyah, Rudi Setiawan</i>
PP-10	Elementary School Students Visual Spatial Comprehension Based on van Hiele Theory: The Case in Madiun, East Java. <i>by Swastika Andini, Laila Fitriani, Budiyono</i>
PP-11	Isolation, Identification, and Structure Elucidation of Saponin Compounds From Oil-Free Mahogany Seed (<i>Swietenia macrophylla</i> , King). <i>by Sri Mursiti, Supartono</i>
PP-12	Catalytic Activity of Ru-Sn/Al ₂ O ₃ in Reduction Reaction of Pollutant 4-Nitrophenol. <i>by Ari Sulisty Rini, Shahidan Radiman, Mohd. Ambar Yarmo</i>
PP-13	Analysis of Pre-Service Physics Teacher Skills Designing Simple Physics Experiments based Technology. <i>by Susilawati, Choirul Huda, Wawan Kurniawan, Nur Khoiri</i>
PP-14	Determination of Content Elements on Hospital Waste Method with Neutron Activation Analysis. <i>by Pratiwi Dwijananti, Fianti, Budi Astuti, Alwiyah</i>
PP-15	Development of Computer Assisted Instruction Application for Statistics Data Analysis Android Based as Learning Resource. <i>by Putriaji Hendikawati, Riza Arifudin, Muhammad Zuhair Zahid</i>
PP-16	Callus Induction and Flavonoid Production on The Immature Seed of <i>Stelechocarpus Burahol</i> . <i>by Noor Aini Habibah, Sukarti Moeljo pawiro, Kumala Dewi, and Ari Indrianto</i>
PP-17	Development Innovative Interactive Problem Based Learning Model PMRI-Scientific Using ICT to Increase Mathematics Literacy and Independence-Character of Junior High School Students. <i>by Wardono, Budi Wahyu, Kartono, Mulyono, Scolastika Mariani.</i>
PP-18	Improvement of Metakognitive Skills and Students' Reasoning Ability through Problem Based Learning. <i>by Sri Haryani, Masfufah, Nanik Wijayati</i>