



The 2nd Annual International Conference on Mathematics and Science Education (ICoMSE 2018)

FACULTY OF MATHEMATICS AND NATURAL SCIENCE

UNIVERSITAS NEGERI MALANG

Jalan Semarang No 5, Malang, Indonesia



LIST OF ACCEPTED ARTICLES FOR ICOMSE 2018

Category : Biology Education

NO	ID USER	TITLE	SPEAKER	AFFILIATION
1	BE-020-207-DSA	The Effectiveness of Extension Booklet Based on Melon Farmer Skills Level in Nata de Melon Making Process	Yossie Ulfa Nuzalifa	UNIVERSITAS NEGERI MALANG
2	BE-015-162-DGA	Instrument Design Higher Order Thinking Skills (Hots) in Biology Learning	Khairunnisa Abdurrachman	UNIVERSITAS PENDIDIKAN INDONESIA
3	BE-044-320-DGA	THE IMPLEMENTATION OF SCIENCE LITERACY SKILL ASSESSMENT BASED ON LESSON STUDY TO INCREASE LEARNING OUTCOME OF BIOLOGY TEACHERS CANDIDATES	Murni Sapta Sari Kuni Mawaddah	UNIVERSITAS NEGERI MALANG
4	BE-007-100-DGA	EMPOWERING STUDENT'S METACOGNITIVE SKILL THROUGH CIRSA LEARNING	Rizhal Hendi Ristanto	BIOLOGY EDUCATION, STATE UNIVERSITY OF JAKARTA
5	BE-023-224-DGA	IDENTIFICATION OF STUDENTS' MISCONCEPTIONS ON TERATOLOGY COURSE BY USING CERTAINTY OF RESPONSE INDEX (CRI) METHOD	Amy Tenzer	STATE UNIVERSITY OF MALANG
6	BE-024-226-DSA	Bryophyta Misconception Study with Concept Approach in High School Biology Textbook	Sunarmi Triastono Imam Prasetyo Dwi Arianita Wulan Sari	UNIVERSITAS NEGERI MALANG
7	BE-019-203-DSA	Student Information Processing Skills On Cell Biology Lectures With VARK Approach	Nengsih Juanengsih	UIN SYARIF HIDAYATULLAH JAKARTA
8	BE-006-094-DSA	Traditional Knowledge of Local Wisdom of Kampung Pulo Indigenous peoples (West Jawa) about Environmental Ethics	Jamaludin Abdul Ghani	UNIVERSITAS PENDIDIKAN INDONESIA



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NO	ID USER	TITLE	SPEAKER	AFFILIATION
9	BE-025-239-DSA	Developing performance assessment base Habits of Mind in a Guided inquiry learning Keanekaragaman Tumbuhan topic for measuring scientific writing students at X MIA MAN 1 Kabupaten Malang	Anggun Risma Atika	STATE UNIVERSITY OF MALANG
10	BE-026-241-DSA	Virtual Lab Development In Genetics Courses: Theoretical Review, Student Perception, Response And Expectations	Dewi Murni	POSTGRADUATE OF BIOLOGY EDUCATION, STATE UNIVERSITY OF MALANG
11	BE-011-134-DGA	THE STUDENTS' INTEREST OF LEARNING SCIENCE BASED ON LEARNING STYLE INSTRUCTION	Kasman Arifin	DEPARTMENT OF BIOLOGY EDUCATION FKIP UHO KENDARI
12	BE-028-258-DSA	Development of Guided Inquiry Learning Based on Local Potential and The Influence on Critical Thinking Skills of Vocational Students Fisheries and Marine	Dini Annisha	UNIVERSITAS NEGERI MALANG
13	BE-016-165-DSA	PROMOTING KARMANA PROBLEM BASED LEARNING MODEL TO TRAIN PROBLEM SOLVING SKILLS AND ENVIRONMENTAL POLLUTION CONCEPT MASTERY	I.W. Karmana	PROGRAM STUDI PENDIDIKAN SAINS UNESA
14	BE-022-213-DGA	The Development of Biochemistry Teaching Materials Based on Group Investigation	Muhammad Mifta Fausan	UNIVERSITAS SULAWESI BARAT
15	BE-029-266-DGA	Design of Plant Growth Practice Manual as a Support Device for Project-Based Learning Models that Accommodate Cognitive Styles: The Developing of Critical Thinking Skills	IMAS CINTAMULYA	UNIVERSITY OF PGRI RONGGOLAWE, TUBAN



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NO	ID USER	TITLE	SPEAKER	AFFILIATION
16	BE-027-256-DGA	INTEGRATING THE COLLABORATIVE LEARNING AND THE SCIENCE LITERACY ON INTRODUCTORY BIOLOGY TO IMPROVE SCIENCE GENERIC SKILLS ON PROSPECTIVE OF MADRASAH IBTIDAIYAH TEACHERS	Dr. Eni Setyowati, S.Pd., MM.	IAIN TULUNGAGUNG
17	BE-031-281-DSA	The Development of Interactive Multimedia Based on Guided Discovery Learning (GDL) on Human Movement System Material for Eighth Grade Student of Junior High School	Ayuda Arie Aprilia	UNIVERSITAS SEBELAS MARET SURAKARTA
18	BE-034-284-DSA	IMPLEMENTATION OF PROJECT BASED LEARNING (PJBL) LEARNING MODEL TO ENHANCE COLLABORATION AND CREATIVITY SKILLS ON SENIOR HIGH SCHOOL STUDENTS	Christine Apriyani	UNIVERSITAS NEGERI MALANG
19	BE-032-282-DSA	Need Analysis of Materials and Media Biology Teaching for High School Students Around Location of People Gold Mining	Muhammad Syamsussabri	UNIVERSITAS NEGERI MALANG
20	BE-033-283-DGA	Need Analysis of Materials and Media Teaching on Topic of Environmental Pollution at SMAN 1 Sekotong	BAIQ KHANDRA MULIYA	UNIVERSITAS NEGERI MALANG
21	BE-036-290-DGA	Developing a Module of Ecosystem of Lombang Beach Sumenep With Guided Inquiry Approach To Improve Scientific Literacy of Science and Science Process Skills of Students	Khairunisa	UNIVERSITAS NEGERI YOGYAKARTA
22	BE-037-293-DGA	The Use of Lesson Study for Learning Community to Teach Life Based-Learning for Biology Education Students	Herawati Susilo	UNIVERSITAS NEGERI MALANG



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NO	ID USER	TITLE	SPEAKER	AFFILIATION
23	BE-008-117-DGA	DEVELOPMENT OF PLANT LEARNING MATERIALS AND ENVIRONMENTAL CHANGES IN SMA WITH USING LOCAL POTENTIAL AS A RESOURCE OF LEARNING	Triastono Imam Prasetyo	UNIVERSITAS NEGERI MALANG (UM)
24	BE-038-299-DSA	IMPLEMENTATION OF GUIDED INQUIRY LEARNING WITH SCAFFOLDING STRATEGY TO INCREASE CRITICAL THINKING SKILLS OF BIOLOGY STUDENTS IN 21st CENTURY LEARNING COURSE BASED ON LESSON STUDY	Warni Makmur	UNIVERSITAS NEGERI MALANG.
25	BE-040-307-DSA	THE IMPLEMENTATION OF PROBLEM BASED LEARNING (PBL) MODEL FOR IMPROVING STUDENTS' ORAL COMMUNICATION SKILL THROUGH LESSON STUDY	Amalia Ainun Najah	UNIVERSITAS NEGERI MALANG
26	BE-042-309-DSA	IMPLEMENTATION OF PROBLEM BASED LEARNING COMBINED WITH THINK PAIR SHARE IN ENHANCING STUDENTS' SCIENTIFIC LITERACY AND COMMUNICATION SKILL THROUGH TEACHING BIOLOGY IN ENGLISH COURSE PEERTEACHING	Rido Sigit	UNIVERSITAS NEGERI MALANG
27	BE-041-308-DSA	IMPLEMENTATION OF GUIDED INQUIRY AND DISCUSSION METHOD TO ENHANCE 4Cs ON ENVIRONMENTAL CHANGE TOPIC THROUGH PEER TEACHING PRACTICES IN THE TEACHING BIOLOGY IN ENGLISH COURSE	Dita Perdana	UNIVERSITAS NEGERI MALANG
28	BE-043-311-DGA	The Application of Project Based Learning (PjBL) and Think Pair Share (TPS) model to Improve the Communication and Collaboration Skills Through Lesson Study at Senior High School	Purwaning Rohmah	UNIVERSITAS NEGERI MALANG



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Category : Chemistry Education

NO	ID USER	TITLE	SPEAKER	AFFILIATION
1	CE-002-053-DGA	Virtual Chemistry Laboratory as Pre-Lab Experiences: Stimulating Student's Prediction Skill	Yenni Kurniawati	UIN SULTAN SYARIF KASIM RIAU
2	CE-009-128-DSA	Electronic Properties of Silicon Carbide Fiber as Electronic Semiconductor	Dr. Jan setiawan	UNIVERSITY OF INDONESIA
3	CE-016-216-DGA	MULTI-LEVEL REPRESENTATION ABILITY OF STUDENTS TO WRITE TEACHING MATERIALS IN VOLTAIC CELL SUBJECT	Dewi Nurdiyanti	UNIVERSITAS PENDIDIKAN INDONESIA DAN UNIVERSITAS MUHAMMADIYAH CIREBON
4	CE-017-236-DGA	STUDENT RESPONE TO MONITORING CHEMICAL PROJECT ACTIVITIES THROUGH WHATSAPP GROUP	HIDMI GRAMATOLINA RAMDHAYANI	SMK NEGERI 1 GERUNG LOMBOK BARAT
5	CE-012-146-DSA	Analysis of the Causes of Indonesian Students Low Science Literacy by the Result of PISA	Geby Riyanti Utami	UNIVERSITAS PENDIDIKAN INDONESIA
6	CE-018-261-DGA	GENERIC SCIENCE SKILLS PROFILE OF PRE-SERVICE CHEMISTRY TEACHERS ON ATOMIC STRUCTURE AND CHEMICAL BONDING TOPICS	Indah Langitasari	UNIVERSITAS SULTAN AGENG TIRTAYASA
7	CE-014-176-DGA	THE INCREASE IN LEARNING OUTCOMES CHEMICAL X GRADE STUDENTS BY USING A MODEL LEARNING COOPERATIVE TYPE STUDENT ACHIEVEMENT DIVISION TEAMS (STAD)	Elferida Sormin	UNIVERSITAS KRISTEN INDONESIA
8	CE-013-155-DSA	The development of performance assessment rubrics for assessing the science process skills of high school students in exothermic and endothermic reactions laboratory work.	Maulana Yusuf	UNIVERSITAS PENDIDIKAN INDONESIA



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NO	ID USER	TITLE	SPEAKER	AFFILIATION
9	CE-019-295-DSA	Study of Adaptive Chemistry Topic on SMK Implemented Through Learning-Cycle 5E	Pancayani Dinihari, M. Pd	UNIVERSITAS NEGERI MALANG
10	CE-020-306-DGA	Effects of the Metacognitive Learning Strategy on Prospective Chemistry Teacher's Academic Achievement	Parlan	CHEMISTRY DEPARMENT, UNIVERSITAS NEGERI MALANG

Category : Mathematics Education

NO	ID USER	TITLE	SPEAKER	AFFILIATION
1	ME-001-001-ISA	Perception of Primary Mathematics Teachers on STEM-oriented Teaching and Learning	Afian Akhbar bin Mustam	UNIVERSITI PENDIDIKAN SULTAN IDRIS
2	ME-007-011-IGA	A COMPARISON BETWEEN DISCOVERY AND EXPOSITORY METHODS OF TEACHING MATHEMATICS AMONGST SECONDARY SCHOOL STUDENTS IN NASSARAWA LOCAL GOVERNMENT AREA OF KANO STATE, NIGERIA.	Surajo Isa Gaya	KANO UNIVERSITY OF SCIENCE AND TECHNOLOGY, WUDIL
3	ME-025-058-DSA	Analogy Reasoning In Solving Pictorial Representation Problem: A Case Study	Muniroh Novisa	STATE UNIVERSITY OF MALANG
4	ME-022-054-DSA	Analysis of Inquiry Processes for Finding Unfolding Cube and Beams in Fifth Grade Elementary School Student	Safirdha Nilam Wardah	UNIVERSITAS NEGERI MALANG
5	ME-030-066-DSA	AN ANALYSIS OF THE THINKING CREATIVELY OF STUDENT GRADE 4 IN SOLVING OPEN ENDED PROBLEM	Ratna Nurul Wardani	UNIVERSITAS NEGERI MALANG



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NO	ID USER	TITLE	SPEAKER	AFFILIATION
6	ME-023-055-DSA	MATHEMATICAL REPRESENTATIONS OF STUDENTS WITH SPECIAL NEEDS IN MATHEMATICS PROBLEM SOLVING IN INCLUSIVE SCHOOL	Ahmad Farid Haebah	MALANG UNIVERSITY
7	ME-021-051-DSA	TEACHER'S EFFORT IN SHOWING MATHEMATICAL DISPOSITION OF STUDENTS IN CLASS SEPARATING GENDER	Yesy Puspitasari	UNIVERSITAS NEGERI MALANG
8	ME-033-070-DGA	NEWMAN MISTAKE ANALYSIS ON WHOLE NUMBER MATERIAL REVIEWED FROM COGNITIVE STYLE	Luluk Wahyu Nengsih	UNIVERSITAS NEGERI MALANG
9	ME-035-072-DSA	STUDENTS' CREATIVE THINKING IN SOLVING OPEN ENDED PROBLEMS	DEWI SRI LESTARI	UNIVERSITAS NEGERI MALANG
10	ME-034-071-DSA	THE PROCESS OF ELEMENTARY SCHOOL STUDENTS METACOGNITION IN MATHEMATICAL PROBLEM SOLVING BASED POLYA	Kistin Restu Perdana	UNIVERSITAS NEGERI MALANG
11	ME-036-073-DSA	PLAUSIBLE REASONING ELEMENTARY STUDENTS IN RESOLVING THE QUESTION OF PROBLEM SOLVING	Anton Budi Jatmiko	UNIVERSITAS NEGERI MALANG
12	ME-039-076-DGA	STUDENTS' ERROR TOWARD CONCEPT IN RESOLVING MATH PROBLEM	Mona Muleka	MALANG STATE UNIVERSITY
13	ME-038-075-DSA	ABILITY OF MATHEMATICAL LITERACY TEACHER AT THE BASIC EDUCATION	Rizqi Annisavitri	UNIVERSITAS NEGERI MALANG
14	ME-040-077-DSA	THE PROCESS OF STUDENTS' METACOGNITION IN SOLVING THE MATHEMATICAL PROBLEMS BASED ON VAK LEARNING STYLES (VISUAL, AUDITORY, AND KINAESTHETIC)	Rachmad Abubakar Lamowa	UNIVERSITAS NEGERI MALANG



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15	ME-044-081-DSA	STUDENTS THINKING PROCESS IN PROBLEM SOLVING MIX OPERATIONS USING THE MEANING EQUAL SIGN	ASTIA NINGSIH	UNIVERSITAS NEGERI MALANG
16	ME-026-059-DSA	Analysis of Student Error in Representing Fractions On the Number Line	Eka Tandi Langi	PASCASARAJANA UNIVERSITAS NEGERI MALANG
17	ME-042-079-DSA	THINKING PROCESS OF MATHEMATICS STUDENTS WITH INTROVERT LEARNING STYLE IN SOLVING MATHEMATICS PROBLEMS	Dede Ngadino	UNIVERSITAS NEGERI MALANG
18	ME-032-068-DSA	THE ANALYSIS OF DIFICULTIES OF STUDENTS CLASS VII IN SOLVING MATERIAL EQUATION AND LINEAR INEQUALITY ONE VARIABLE	Rui Alegria	UNIVERSITAS NEGERI MALANG
19	ME-048-085-DSA	MATHEMATICAL REPRESENTATION STUDENTS REVIEWED FROM TYPES OF UNDERSTANDING	Ahmad Didik Zakariya	UNIVERSITAS NEGERI MALANG
20	ME-024-057-DGA	STRENGTHENING CHARACTER EDUCATION IN LEARNING MATHEMATICS USING INSANA MOTIVE WOVEN FOR PRIMARY SCHOOL TEACHERS	Yohanis Ndapa Deda	UNIVERSITAS TIMOR
21	ME-052-096-DGA	USING LOCAL POTENTIAL OF KEFAMENANU COMMUNITY IN THEIR EXPERIENCES OF JUNIOR HIGH SCHOOL TEACHERS OF MATHEMATICS FOR INCREASES CREATIVITY	Stanislaus Amsikan	UNIVERSITAS TIMOR
22	ME-055-101-DGA	Validity Assessment of a Multimedia Based on Cognitive Load Theory for Learning Undergraduate Plane Geometry	Mukhlas Triono	DEPARTMENT OF MATHEMATICS EDUCATION, GRADUATE SCHOOL OF UNIVERSITAS NEGERI YOGYAKARTA



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23	ME-058-104-DSA	AN ANALYSIS OF DIFFICULTY IN MAKING INDICATORS COMPETENCY ACHIEVEMENT	Bakher Nenotaek	PASCASARJANA PENDIDIKAN MATEMATIKA, UNIVERSITAS SEBELAS MARET
24	ME-061-111-DSA	DEVELOPMENT AND EVALUATION OF UBIQUITOUS GEOMETRY LEARNING IN AUTHENTIC CONTEXTS WITH EXPERIENCE API	Yan Amal Abdilah	UNIVERSITAS NEGERI YOGYAKARTA
25	ME-069-129-DGA	Design of Teaching Materials : Scaffolding-based Interactive to develop reflective thinking skills in Mathematics Pre-Service Teachers	Yuyu Yuhana Hepsi Nindiasari Novaliyosi	UNIVERSITY OF SULTAN AGENG TIRTAYASA
26	ME-072-133-DSA	Scaffolding Based on Cognitive Conflict in Correcting the Students' Algebra Errors	Indah Puspitasari Maharani	STATE UNIVERSITY OF MALANG
27	ME-073-139-DGA	THE ABILITY OF DEAF PUPILS IN SOLVING MATHEMATIC PROBLEM	Samuel Igo Leton	UNIVERSITAS KATOLIK WIDYA MANDIRA KUPANG
28	ME-075-144-DSA	TEACHING GUIDE FOR FUNCTIONAL THINKINGS IN PRIMARY SCHOOL STUDENTS	Bagus Ardi Saputro	UNIVERSITAS PENDIDIKAN INDONESIA
29	ME-078-153-DSA	Student's Quantitative Reasoning in Problem Solving Based on the Cognitive Style	Fajriyah Rachmatika	UNIVERSITAS NEGERI SURABAYA
30	ME-081-157-DGA	DEVELOPING MATHEMATICS LEARNING MODEL USING REALISTIC APPROACH AND OUTDOOR ENVIRONMENT FOR ELEMENTARY SCHOOL STUDENTS	Sunardi	FKIP UNIVERSITAS JEMBER
31	ME-020-050-DGA	INFLUENCE OF EDUCATION BACKGROUND AND PATHWAY ON ENTRY STUDENTS BASED MATHEMATICS	Edi Irawan	IAIN PONOROGO



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NO	ID USER	TITLE	SPEAKER	AFFILIATION
32	ME-093-175-DGA	Implementation of Creative Problem Solving (CPS) model using e-learning in applied graph theory course	Sapti Wahyuningsih Darmawan Satyananda Lucky Tri Octoviana Rini Nurhakiki	UNIVERSITAS NEGERI MALANG
33	ME-098-195-DGA	Students' Mathematical Communications in Solving Combination Problem	Sukoriyanto	MATHEMATICS DEPARTMENT, FMIPA, UNIVRSITAS NEGERI MALANG
34	ME-087-169-DGA	Shadow Supervisor Strategy on Student with ADHD in Mathematics Learning Activity for Inclusive Secondary Class of Elementary School	Rosy Marlina	UNIVERSITAS SEBELAS MARET
35	ME-104-209-DGA	The Effect of The ELPSA Framework on Student's Ability to Solve Function Problems	Ita Chairun Nissa	IKIP MATARAM
36	ME-082-158-DSA	MENGLITIK as a Mathematics Learning Media on Circle	Robert Syarifudin Latifah Mustofa Lestyanto	STATE UNIVERSITY OF MALANG
37	ME-091-173-DSA	Students' Relational Understanding of Algebraic Fraction Problem	Matilde Niis Molo	UNIVERSITAS NEGERI SURABAYA
38	ME-090-172-DSA	Level Of Statistical Resoning Student On Statistical Problem Based On Sex Differences	Luthfaturrohmah	UNIVERSITAS NEGERI SURABAYA
39	ME-089-171-DSA	Mental Rotation of Junior High School Students In Terms Of Differences Gender	Ervi Anisatul Awalah	UNIVERSITAS NEGERI SURABAYA
40	ME-067-125-DGA	The Folding Back and Pseudo-Folding Back of the Students when Solving the Limit Problems	Susiswo	UNIVERSITAS NEGERI MALANG (UM)
41	ME-108-218-DSA	STUDENTS' TRANSLATION ABILITY OF MATHEMATICAL REPRESENTATIONS BASED ON THEIR LEARNING STYLES	Imam setiadi	UNIVERSITAS NEGERI SURABAYA



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42	ME-054-099-DGA	The Cooperative Learning Model Application of TPS with the Help of Module to Improve 4C's Student Character	Endang Suprpti Himmatul Mursyidah	UNIVERSITAS MUHAMMADIYAH SURABAYA
43	ME-102-201-DGA	Exploring Students' Mathematical Reasoning Using Concept Map	Rita Pramujiyanti Khotimah	DEPARTMENT OF MATHEMATICS EDUCATION, MUHAMMADIYAH UNIVERSITY OF SURAKARTA
44	ME-094-181-DSA	Mathematical Representation of Cerebral Palsy Students in Constructing the Concept of Plane Geometry Based on APOS Theory	Elis Dwi Wulandari	UNIVERSITAS NEGERI MALANG
45	ME-106-211-DSA	Profile of Mathematics Anxiety of Final Grade Students	Terri Murizki Anugrah	UNIVERSITAS SEBELAS MARET
46	ME-113-230-DSA	UNDERGRADUATE STUDENTS' CREATIVE THINKING SKILL IN MAKING OPEN-ENDED MATHEMATICAL PROBLEMS THROUGH SEMI-STRUCTURED PROBLEM POSING	Eni Titikusumawati	UNIVERSITAS NEGERI MALANG (UM)
47	ME-105-210-DSA	Development of Android Based Instructional Media of Algebraic Tiles for Quadratic Equation	Oriza Febri Irianti Abd. Qohar	UNIVERSITAS NEGERI MALANG
48	ME-097-190-DSA	Secondary Students of Difficulties in Mathematical Problems Solving	Tatang Herman Samsul Hadi	UNIVERSITAS PENDIDIKAN INDONESIA
49	ME-071-131-DSA	Analysis of Students' Difficulties in Proving Convergent Sequence	Edwin Kristianto	UNIVERSITAS SEBELAS MARET



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50	ME-092-174-DGA	The Use of ICT in Learning Mathematics at Community Learning Centers Harapan Bangsa, Tanjungpinang.	Desi Rahmatina	UNIVERSITAS MARITIM RAJA ALI HAJI
51	ME-123-245-DSA	Self-Concept Student in Mathematics Problem Solving	Wahyu Septi Rahma Yus Sultra	SEBELAS MARET UNIVERSITY
52	ME-115-234-DSA	Relationship Between Impulsive-Reflective Cognitive Style and Problem Solving in Mathematics	Dian Rizki Nuraini	UNIVERSITAS SEBELAS MARET
53	ME-125-247-DSA	Algebraic Thinking of Junior High School Students in Solving Numbers' Pattern Problem Based on Mathematics Ability	Ni Putu Novianty Kartika Sari	UNIVERSITAS NEGERI SURABAYA
54	ME-120-242-DSA	Visualizer and Verbalizer Cognitive Style in Mathematics Problem-Solving	Alfiyatu Rahmawatingrum	UNIVERSITAS SEBELAS MARET
55	ME-119-240-DSA	Affect of Adversity Quotients in Mathematics Problem Solving	Luthfi Nur Pamungkas	UNIVERSITAS SEBELAS MARET
56	ME-127-249-DSA	Relational Thinking Process in Junior High School Students in Solving Contextual Mathematics Problem Based on Gender Differences	Didik Hermanto	STATE UNIVERSITY OF SURABAYA
57	ME-117-237-DGA	The Effect of Contextual Approach Aided by VBA for Powerpoint on the Ability of Self-Understanding and Self-Confidence of Junior Secondary School Students	Martin Bernard Siti Chotimah Sukma Murni Siti Ruqoyyah	INSTITUT KEGURUAN DAN ILMU PENDIDIKAN SILIWANGI
58	ME-128-251-DGA	THE ROLE OF MATHEMATIC REASONING AS THE MEANS TO ACHIEVE THE 21TH CENTURY SKILLS: LEARNING AND INNOVATION	Fitria Irdayani	SEBELAS MARET UNIVERSITY



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59	ME-124-246-DSA	The Level of Student's Mathematical Literacy Ability of Junior High School Students on Geometry	Pangestika Sumadianing Saputri	UNIVERSITAS SEBELAS MARET
60	ME-114-233-DSA	MATHEMATIC LEARNING OUTCOMES IN GEOMETRY VIEWED FROM SPATIAL INTELLIGENCE	Indah Werdiningsih	UNIVERSITAS SEBELAS MARET SURAKARTA
61	ME-126-248-DSA	The Analysis of Students' Misconception in The Material of Definite Integrals	RATIH DEWI RAHMAWATI	UNIVERSITAS SEBELAS MARET
62	ME-103-202-DGA	DEVELOPMENT OF MATHEMATICS LEARNING MATERIAL DEVICES BASED ON ETHNOMATHEMATICS IN CHARACTER LEARNING STUDENT LEVELS OF JUNIOR HIGH SCHOOL	Ririn dwi Agustin Mika Ambarawati Era Dewi Kartika	IKIP BUDI UTOMO MALANG
63	ME-110-220-DSA	Mathematics Learning Difficulties of Slow Learners on A Circle	Shinta Metikasari	UNIVERSITAS SEBELAS MARET SURAKARTA
64	ME-134-262-DSA	An Analysis of Mathematical Problem-Solving Process Based on Learning Style	SUSANA LABUEM	STATE UNIVERSITY OF MALANG
65	ME-135-263-DSA	Student Algebraic Reasoning To Solve Quadratic Equation Problem	Nia Wahyu Damayanti Purwanto I Nengah Parta Tjang Daniel Chandra	UNIVERSITAS NEGERI MALANG
66	ME-139-268-DGA	Preliminary Design of ILC-based Multimedia on Base of Number Concept	Gustimal Witri	UNIVERSITAS RIAU
67	ME-099-196-DGA	Learning from IRME Course: Inviting Prospective Teacher to Prepare Better Teaching Practice	Anisa Fatwa Sari Agustin Ernawati Zainal Abidin	STKIP AL HIKMAH



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NO	ID USER	TITLE	SPEAKER	AFFILIATION
68	ME-111-223-DGA	Early Identification of Preservice Teachers' Ability in Mathematical Literacy	Ani Afifah	STKIP PGRI PASURUAN
69	ME-141-271-DSA	Epistemic Cognition of Student in Solving Mathematical Problem	Anggik Yulianto	UNIVERSITAS SEBELAS MARET
70	ME-100-198-DGA	Analysis of Class X Junior High School Students' Understanding of Trigonometry Material	DWI NOVITA SARI	SEBELAS MARET UNIVERSITY
71	ME-049-087-DSA	DEFRAGMENTATION OF REFLECTIVE STUDENT'S THINKING STRUCTURE ON SOLVING LINEAR PROGRAMMING WORD PROBLEM	Anita Dwi Septian	UNIVERSITAS NEGERI MALANG
72	ME-144-274-DSA	Probabilistic Thinking of Senior High School Students in Solving Probability Tasks	Rita Raya	STATE UNIVERSITY OF SURABAYA
73	ME-142-272-DSA	IMPERFECT UNDERSTANDING OF TRIANGLE CONCEPT: AN EPISTEMOLOGICAL MATHEMATICS BELIEF OVERVIEW	Rahaju	UNIVERSITAS NEGERI MALANG
74	ME-112-225-DSA	Level of Students Creative Thinking in Solid Geometry	Suci Utami	UNIVERSITAS SEBELAS MARET
75	ME-096-187-DSA	Team Assisted Individualization to Improve Self Confidence of Student in Mathematics Learning	resvita febrima	YOGYAKARTA STATE UNIVERSITY
76	ME-146-276-DSA	Analysis of Students of Mathematical Representation Ability in Terms of Self-Regulated Learning	Noor Hidayati	SEBELAS MARET UNIVERSITY
77	ME-121-243-DGA	LEARNING STYLES AFFECT STUDENTS MATHEMATICAL CRITICAL THINKING SKILLS	Ela Ulfiana	SEBELAS MARET UNIVERSITY
78	ME-138-267-DSA	Misconception Analyses Computational Operations Materials of Algebra on Procedural Aspect Student at Junior High School in Indonesia	Nurika Miftahuljannah	YOGYAKARTA STATE UNIVERSITY



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NO	ID USER	TITLE	SPEAKER	AFFILIATION
79	ME-136-264-DSA	Ethnomatematics in Traditional Dance Surakarta	Della Narulita	UNIVERSITAS SEBELAS MARET
80	ME-147-277-DGA	Learning Achievement Profile of Students with High Initial Abilities with Problem Based Learning Model using Realistic Mathematics Education Approach on Algebra Materials	Diana Tri Purnamasari	SEBELAS MARET UNIVERSITY
81	ME-149-286-DSA	Creative Thinking Process in Mathematics Problem Solving on FI and FD Students	Ika setyana	SEBELAS MARET UNIVERSITY
82	ME-150-287-DSA	Spatial Ability of Seventh Grade Students in Completing Geometry Tasks	Shinta Wulandari	PASCASARJANA UNIVERSITAS NEGERI MALANG
83	ME-068-126-DGA	INTERFERENCE THINKING STUDENTS IN UNDERSTANDING FUNCTIONS	Erry Hidayanto	UNIVERSITAS NEGERI MALANG
84	ME-005-009-DGA	Development of Interactive Problem Subject Rectangle Area to Reduce Anxiety of Secondary Students in Solving Mathematics Problems	Syaiful Hamzah Nasution	UNIVERSITAS NEGERI MALANG
85	ME-151-289-DGA	The Development of Assessment for Learning Model with Goformative and Pen Tablet	Toto suwanda	UNIVERSITAS SEBELAS MARET
86	ME-122-244-DGA	Elementary Graders' Spatial-Mathematical Reasoning on Plane Area	Mufarrahatu Syarifah	UNIVERSITAS ABDURACHMAN SALEH
87	ME-152-291-DGA	Development of Module of Learning Geometry Based on Van Hiele Theory	Deshinta Puspa Ayu Dwi Argaswari	SAMPOERNA UNIVERSITY
88	ME-153-292-DSA	Student Metacognition Process In Open-Ended Problems Solving	Agus Alamsyah	<i>State University of Malang</i>



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NO	ID USER	TITLE	SPEAKER	AFFILIATION
89	ME-032-068-DSA	THE ANALYSIS OF DIFFICULTIES OF STUDENTS CLASS VII IN SOLVING MATERIAL EQUATION AND LINEAR INEQUALITY ONE VARIABLE	Rui Alegria	UNIVERSITAS NEGERI MALANG
90	ME-080-156-DSA	Students' Written Mathematical Communication Through Providing Linear Programming Word Problem In Group Discussion	Pradina Parameswari	STATE UNIVERSITY OF MALANG
91	ME-156-301-DGA	Cooperative Learning Models Based on Peer Assessment to Grow Critical and Creative Thinking Ability of Students in Department of Mathematics	Hendro Permadi Eddy Budiono Dinda Dwi Nugraheni Ariesqi Dinda Putri	UNIVERSITAS NEGERI MALANG
92	ME-157-302-DGA	Mathematical Communication in a Cooperative Learning Model Based on Peer Assessment for Mathematics Department Students	Sabila Okta Syarafina Muhammad Awwalul ikhtiar	UNIVERSITAS NEGERI MALANG
93	ME-107-217-DGA	DEVELOPMENT STATISTIC TEXT BOOK FOR SPORT AND HEALTH EDUCATION TO INCREASE MOTIVATION AND COLLAGE STUDENT'S ACHIEVEMENT IN BUDI UTOMO MALANG COLLAGE	Amy Nilam Wardathi	IKIP BUDI UTOMO MALANG
94	ME-159-305-DSA	The Scaffolding Approach to Enhance Senior High School Student's Statistical Literacy Ability	Rofiq Robithulloh Murod	INDONESIA UNIVERSITY OF EDUCATION
95	ME-160-310-DGA	BUILDING AND STRUCTURING OF STUDENTS' MATHEMATICAL KNOWLEDGE: REVIEW FROM THE COGNITIVE DEVELOPMENT THEORY	Sudirman	UNIVERSITAS NEGERI MALANG
96	ME-161-312-DGA	Guided Inquiry Method Realistic Mathematic Education with Mobile Learning	Mahmuddin Yunus Rustanto Rahardi	UNIVERSITAS NEGERI MALANG



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NO	ID USER	TITLE	SPEAKER	AFFILIATION
			Susy Kuspambudi A.	
97	ME-165-317-DGA	Creating a Recurrence Relation Model for FindingThe General Form of a Specific Integer Sequence Generated by Arithmetic Sequences with k Representing The First Term and b Representing The Difference	Gatot Muhsetyo	UNIVERSITAS NEGERI MALANG
98	ME-166-318-DSA	THE VISUAL REPRESENTATION SKILL IN SOLVING FRACTION PROBLEM	Royyan Faradiba	UNIVERSITAS NEGERI MALANG
99	ME-167-319-DSA	ANALYSIS OF STUDENTS' GEOMETRY SKILLS WITH COGNITIVE FIELD DEPENDENT	Widi Candika Pakaya	UNIVERSITAS NEGERI MALANG
100	ME-165-317-DSA	DEVELOPMENT OF MATH COMIC LEARNING MEDIA ON THE SUBJECT OF ALGEBRAIC EXPRESSIONS FOR SEVENTH GRADE OF JUNIOR HIGH SCHOOL STUDENTS	Fathimatuzzahra Indriati Nurul Hidayah	UNIVERSITAS NEGERI MALANG



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Category : Physics Education

NO	ID USER	TITLE	SPEAKER	AFFILIATION
1	PE-001-012-IGA	EFFECT OF INSTRUCTIONAL MATERIALS ON ACADEMIC PERFORMANCE IN HEAT TRANSFER CONCEPT AMONG SECONDARY SCHOOL PHYSICS STUDENTS IN FAGGE EDUCATIONAL ZONE, KANO STATE, NIGERIA	SHEHU ALIYU	UNIVERSITY OF SCIENCE AND TECHNOLOGY, WUDIL, KANO STATE, NIGERIA
2	PE-004-029-DGA	Development of Physics Interactive Learning Media For XI Grade Students of SMA Negeri 9 Makassar	Siti Zahra Mulianti Natsir	STATE UNIVERSITY OF MAKASSAR
3	PE-020-204-DGA	Developing Learning Tools Guided Discovery Models Assisted Phet Simulations for Training Critical Thinking Skills High School Students.	UBAID HABIBI THOHARI	UNIVERSITAS NEGERI SURABAYA
4	PE-017-177-DSA	Understanding Thermodynamics through Science Process Skills	Syella Ayunisa Rani	YOGYAKARTA STATE UNIVERSITY (UNY)
5	PE-021-205-DGA	PHYSICS LEARNING DEVELOPMENT OF PROBLEM BASED LEARNING MODELS WITH SCIENTIFIC APPROACH TO INCREASE UNDERSTANDING STUDENT CONCEPT	TAUFIQ ANSORI	UNIVERSITAS NEGERI SURABAYA
6	PE-019-191-DSA	Development of Test Instruments to Measure Diagram and Argumentation Representation Skills in Newton's Law	Andi Nurfitri Syarif	UNIVERSITAS NEGERI YOGYAKARTA
7	PE-024-229-DGA	Physics Learning Using Direct Instruction Model Assisted by Plickers Application to Measure Problem Solving Ability	Mardhiyyatin Naqiyah	UNIVERSITAS NEGERI YOGYAKARTA



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NO	ID USER	TITLE	SPEAKER	AFFILIATION
8	PE-025-250-DSA	The Development of Physics Learning Based on Guided Discovery Learning Model to Improve Students Physics Concept and Students Learning Result on Kinetic Theory with PhET Simulation Programmed	PUSPITA WIDYAGARINI	PASCASARJANA UNIVERSITAS NEGERI SURABAYA
9	PE-026-252-DSA	CAKA as Physics Learning Media Based on Android Apps in Smart Phone	Heribertus Didik Kurniawan	YOGYAKARTA STATE UNIVERSITY
10	PE-027-270-DSA	Implementing inquiry learning model to improve primary school students' critical thinking on earth and universe concept	Nelda Azriani	UNIVERSITAS RIAU
11	PE-028-279-DGA	Development Practicum Tools on Doppler Effect Material to Improve Student Learning Outcomes	Lisda Hadiani Al Fitri	UNIVERSITAS NEGERI JAKARTA
12	PE-022-206-DGA	Reducing Misconsepse Students using Strategy of Cognitive Conflict Approach in Static Fluid Material	Gigih Besar Mukti Raharja	UNIVERSITAS NEGERI SURABAYA
13	PE-029-300-DGA	The Increase of Students' Scientific Literacy through Guided Inquiry Learning – STEM in The Topic of Optical Instrument	Parno	STATE UNIVERSITY OF MALANG



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Category : Science Education

NO	ID USER	TITLE	SPEAKER	AFFILIATION
1	SE-002-019-DGA	THE EFFECTIVENESS OF CONTEXTUAL TEACHING AND LEARNING SCIENCE WORKSHEET TO IMPROVE THE PROCESS SKILL FOR PRIMARY STUDENT	Noviardani Kartika Prameswari	STKIP BINA INSAN MANDIRI
2	SE-004-032-DSA	MAPPING OF LAND USE CHANGE IN GROGOL SUB-DISTRICT, SUKOHARJO REGENCY IN THE YEAR 2007 AND 2017	Indri Gulani	YOGYAKARTA STATE UNIVERSITY
3	SE-005-033-DSA	THE DEVELOPMENT OF GEOGRAPHY LEARNING ADOBE FLASH-BASED TO INCREASE THE CURIOSITY OF STUDENTS	Wahid Yuda Rejeki	YOGYAKARTA STATE UNIVERSITY
4	SE-003-031-DSA	THE CORRELATION BETWEEN ADVERSITY QUOTIENT WITH GEOGRAPHY LEARNING OUTCOMES OF STUDENTS IN CLASS X AT SMAN 1 KASIHAN YOGYAKARTA	Yuliana Ria Ariska	YOGYAKARTA STATE UNIVERSITY
5	SE-017-113-IGA	Pre-Service Science Teachers' Imagination of Electron Concept	Nurdiana Abdullah	TEACHER TRAINING INSTITUTE, TEMENGGONG IBRAHIM CAMPUS, JOHOR, MALAYSIA
6	SE-020-138-DSA	Accumulation of Heavy Metal (Mercury and Plumbum) in Two Fish Species in Sipin and Teluk Lake, Jambi Province	Siswanta Kaban	RESEARCH INSTITUTE FOR INLAND FISHERIES AND FISHERIES EXTENSION
7	SE-021-141-DSA	"The Artxotic Book" Local Culture Based Mandala Art Therapy to Improve Student Concentration.	Dyakza Hadi Pramestika Putri, Fitri Azizah, Pratidina Debora	UNIVERSITY OF JEMBER
8	SE-010-069-ISA	SCIENCE LEARNING FOR STUDENTS WITH VISUALLY IMPAIRED: A LITERATURE REVIEW	Ediyanto	HIROSHIMA UNIVERSITY



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NO	ID USER	TITLE	SPEAKER	AFFILIATION
9	SE-024-161-DSA	Science-Domain-Integrated-with-Local-Potential-Based Learning Video as Interactive Media in the 21th Century Learning	JUMRIANI	UNIVERSITAS NEGERI YOGYAKARTA
10	SE-028-185-DSA	IDENTIFICATION ABILITY OF STUDENT ANALYSIS IN SCIENCE LEARNING	YOGA PRASTOWO MUKTI	UNIVERSITAS SEBELAS MARET SURAKARTA
11	SE-027-184-DSA	HIGH ORDER THINKING SKILLS PROFILES IN SCIENCE LEARNING	Ulin Nuha Rosyida	UNIVERSITAS SEBELAS MARET SURAKARTA
12	SE-033-199-DSA	STEM Approach Aplication in Devolving Natural Science Subject Teaching Tools For Junior High School Level in Order to Improve Sudents Critical Thinking Skill and Science Process Skill	Yustina Novi Kurniati	UNIVERSITAS NEGERI YOGYAKARTA
13	SE-034-212-DGA	TASC: Training Student's Problem-Solving Ability at Junior High School in Madura	Irsad Rosidi	PROGRAM STUDI PENDIDIKAN IPA, UNIVERSITAS TRUNOJOYO MADURA
14	SE-039-228-DGA	The Identification Problem-Solving Abilities Based on Gender: Implementation Teaching Science Trough Guided Discovery Model's in Bangkalan District	Yunin Hidayati	PROGRAM STUDI PENDIDIKAN IPA, UNIVERSITAS TRUNOJOYO MADURA
15	SE-029-192-DSA	Next Generation Science Standard in Science Learning to Improve Practical Skill	Eka Adyianto	YOGYAKARTA STATE UNIVERSITY
16	SE-032-197-DSA	The Study of Problem Solving Skills of Junior High School Students on Science Lesson based on Student Skill Level on Knowledge	Fitriana Nur Astuti	UNIVERSITAS SEBELAS MARET



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NO	ID USER	TITLE	SPEAKER	AFFILIATION
17	SE-040-231-DSA	Argumentation Skills Profile of Junior High School Students in Science Learning	Puji Hendarto	UNIVERSITAS SEBELAS MARET
18	SE-030-193-DSA	Improving Cognitive Learning Outcomes through Science Learning Video Integrated with Local Potency	Sofyan Dwi Nugroho	UNIVERSITAS NEGERI YOGYAKARTA
19	SE-042-259-DGA	PRACTICALITY OF DEVELOPMENT INTERACTIVE CD MEDIA BASED ON CHARACTERS IN PERKEMBANGAN PESERTA DIDIK SUBJECT	Fifi Yasmi, Ellbert Hutabri, Asril	STKIP PGRI SUMATERA BARAT
20	SE-037-221-DSA	Energy Awareness Profile of Junior High School Student in Sragen	Wahyu Adhi Nugroho	UNIVERSITAS SEBELAS MARET
21	SE-015-106-DGA	LEARNING IMPLEMENTATION OF SCIENTIFIC CRITICAL THINKING MODEL (SCT): TRAIN CRITICAL THINKING SKILL AND SELF EFFICACY CANDIDATE TEACHER CHEMISTRY	Rusmansyah	LAMBUNG MANGKURAT UNIVERSITY
22	SE-035-214-DSA	Analysis of Items Using The Assessment Instrument Based on The Structure of Observed Learning Outcome About Buffer	Ahmad Nasrulloh	UNS
23	SE-014-105-DSA	LEARNING IMPLEMENTATION OF COLLABORATIVE SCIENCE BASED LEARNING (CBSL) MODELS: TRAIN CRITICAL THINKING SKILLS AND RESPONSIBILITY OF STUDENT	Isnawati	SMP NEGERI 6 BANJARMASIN
24	SE-038-222-DSA	Improving High Order Thinking Skills (HOTS) on the Learning Content of Natural Science Through Student Facilitator And Explaining Learning Method (Action Research on 4th Grade Students at Tunas Mandiri Islamic Elementary School)	Nurul Hikmah	UNIVERSITAS NEGERI JAKARTA



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NO	ID USER	TITLE	SPEAKER	AFFILIATION
25	SE-041-232-DSA	Profile of Students' Scientific Inquiry Literacy Based on ScInqLiT	Dian Kurvayanti Innatesari	UNIVERSITAS SEBELAS MARET
26	SE-016-107-DSA	TPACK Ability of Chemistry Teacher in Framework of Pedagogical Content Knowledge For Science Teaching on Hydrocarbon and Petroleum	M. Fakhurrazi	UNS
27	SE-023-150-DSA	Discovery Learning To Enhancing Students' Science Process Skills And Cognitive Learning Outcome	Erwinsyah Satria	UNIVERSITAS BUNG HATTA
28	SE-023-150-DSA	TEACHERS AND STUDENTS UNDERSTANDING' OF THE NATURE OF SCIENCE AT ELEMENTARY SCHOOLS IN WEST SUMATERA	Erwinsyah Satria	UNIVERSITAS BUNG HATTA