



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 PROCEEDINGS ICOMSE 2018 WITH ISBN

CATEGORY : BIOLOGI EDUCATION (BE)

No	Id	Id User	Title
1	127	BE-011-134-DGA	THE STUDENTS' INTEREST OF LEARNING SCIENCE BASED ON LEARNING STYLE INSTRUCTION
			Author : Kasman Arifin,
			Speaker :Kasman Arifin,
			Afiliation : DEPARTMENT OF BIOLOGY EDUCATION FKIP UHO KENDARI
2	128	BE-028-258-DSA	The Effectiveness of Guided Inquiry Learning Based on Local Potential of Ujong Blang Lhokseumawe Beach to Improve Critical Thinking Skills of Fisheries and Marine Vocational Students
			Author : Dini Annisha, Ibrohim, Fatchur Rohman,
			Speaker :Dini Annisha,
			Afiliation : UNIVERSITAS NEGERI MALANG
3	140	BE-029-266-DGA	DESIGN OF PLANT DEVELOPMENT PRACTICE MANUAL AS A SUPPORT DEVICE FOR PROJECT-BASED LEARNING MODEL THAT ACCOMMODATE COGNITIVE STYLES: DEVELOP CRITICAL THINKING SKILLS
			Author : IMAS CINTAMULYA, WARLI, Lilik Mawartiningsih,
			Speaker :IMAS CINTAMULYA,
			Afiliation : UNIVERSITY OF PGRI RONGGOLAWA, TUBAN
4	176	BE-032-282-DSA	Need Analysis of Materials and Media Biology Teaching for High School Students Around The Location of People Gold Mining
			Author : Muhammad Syamsussabri, Sueb, Suhadi,
			Speaker :Muhammad Syamsussabri,
			Afiliation : UNIVERSITAS NEGERI MALANG
5	177	BE-033-283-DGA	Need Analysis of Materials and Media Teaching on Topic of Environmental Pollution at SMAN 1 Sekotong
			Author : BAIQ KHANDRA MULIYA, SUEB, SUHADI,
			Speaker :BAIQ KHANDRA MULIYA,
			Afiliation : UNIVERSITAS NEGERI MALANG
6	183	BE-036-290-DGA	Developing a Module of Ecosystem of Lombang Beach Sumenep With Guided Inquiry Approach To Improve Scientific Literacy and Science Process Skills of Students
			Author : Khairunisa,
			Speaker :Khairunisa,

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No	Id	Id User	Title
			Afiliation : UNIVERSITAS NEGERI YOGYAKARTA
7	191	BE-037-293-DGA	The Use of Lesson Study for Learning Community to Teach Life Based-Learning for Biology Education Students
			Author : Herawati Susilo, Sueb,
			Speaker :Herawati Susilo,Sueb,
			Afiliation : UNIVERSITAS NEGERI MALANG
8	208	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
			Author : Purwaning Rohmah, Herawati Susilo, Sueb,
			Speaker :Purwaning Rohmah,
			Afiliation : UNIVERSITAS NEGERI MALANG

CATEGORY: MATHEMATICS EDUCATION (ME)

No	Id	Id User	Title
9	22	ME-025-058-DSA	Analogy Reasoning In Solving Pictorial Representation Mathematics Problem: A Case Study
			Author : Muniroh Novisa, Subanji,
			Speaker : Muniroh Novisa,
			Afiliation : STATE UNIVERSITY OF MALANG
10	56	ME-073-139-DGA	THE ABILITY OF DEAF PUPILS IN SOLVING MATHEMATIC PROBLEM
			Author : Samuel Igo Leton, Wahyudin, Darhim,
			Speaker :Samuel Igo Leton,
			Afiliation : UNIVERSITAS KATOLIK WIDYA MANDIRA KUPANG
11	60	ME-081-157-DGA	DEVELOPING MATHEMATICS LEARNING MODEL USING REALISTIC APPROACH AND OUTDOOR ENVIRONMENT FOR ELEMENTARY SCHOOL STUDENTS
			Author : Sunardi, Titik Sugiarti, Didik Sugeng Pambudi,
			Speaker :Sunardi,
			Afiliation : FKIP UNIVERSITAS JEMBER
12	80	ME-101-200-DSA	Teachers' Strategy to Develop Student's Mathematical Competence in Topic Algebra
			Author : Masduki, St. Suwarsono, Mega Teguh Budiarto,
			Speaker :Masduki,

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No	Id	Id User	Title
			Affiliation : 1. POSTGRADUATE STUDENTS, DEPARTMENT OF MATHEMATICS EDUCATION, UNIVERSITAS NEGERI SURABAYA, 2. DEPAR
13	82	ME-091-173-DSA	Students' Relational Understanding of Algebraic Fraction Problem
			Author : Matilde Niis Molo, Siti Maghfirotn Amin, Tatag Yuli Eko Siswono,
			Speaker :Matilde Niis Molo,
			Affiliation : UNIVERSITAS NEGERI SURABAYA
14	85	ME-089-171-DSA	Mental Rotation of Junior High School Students In Terms Of Differences Sex
			Author : Ervi Anisatul Awalah, Mega T. Budiarto, Elly Matul Imah,
			Speaker :Ervi Anisatul Awalah,
			Affiliation : UNIVERSITAS NEGERI SURABAYA
15	92	ME-102-201-DGA	Exploring Students' Reasoning in Convergent Real Number Sequence Using Concept Map
			Author : Rita Pramujiyanti Khotimah, Masduki, Christina Kartika Sari,
			Speaker :Rita Pramujiyanti Khotimah,
			Affiliation : DEPARTMENT OF MATHEMATICS EDUCATION, MUHAMMADIYAH UNIVERSITY OF SURAKARTA
16	100	ME-106-211-DSA	Profile of Mathematics Anxiety of Final Grade Students
			Author : Terri Murizki Anugrah, Tri Atmojo Kusmayadi, Laila Fitriana,
			Speaker :Terri Murizki Anugrah,
			Affiliation : UNIVERSITAS SEBELAS MARET
17	112	ME-071-131-DSA	Analysis of Students' Difficulties in Proving Convergent Sequence
			Author : Edwin Kristianto, Mardiyana, Dewi Retno Sari Saputro,
			Speaker :Edwin Kristianto,
			Affiliation : UNIVERSITAS SEBELAS MARET
18	117	ME-125-247-DSA	Algebraic Thinking of Junior High School Students in Solving Sequence of Integer Problem
			Author : Ni Putu Novianty Kartika Sari, Yusuf Fuad, Rooselyna Ekawati,
			Speaker :Ni Putu Novianty Kartika Sari,
			Affiliation : UNIVERSITAS NEGERI SURABAYA

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No	Id	Id User	Title
19	120	ME-119-240-DSA	Affect of Adversity Quotients in Mathematics Problem Solving
			Author : Luthfi Nur Pamungkas,
			Speaker :Luthfi Nur Pamungkas,
			Afiliation : UNIVERSITAS SEBELAS MARET
20	121	ME-127-249-DSA	Relational Thinking Process in Junior High School Students in Solving Contextual Mathematics Problem Based on Gender Differences
			Author : Didik Hermanto, I Ketut Budayasa, Agung Lukito,
			Speaker :Didik Hermanto,
			Afiliation : STATE UNIVERSITY OF SURABAYA
21	126	ME-124-246-DSA	Analysis of Mathematical Literacy Ability of Junior High School Students Based on PISA Criteria
			Author : Pangestika Sumadianing Saputri, Mardiyana, Triyanto,
			Speaker :Pangestika Sumadianing Saputri,
			Afiliation : UNIVERSITAS SEBELAS MARET
22	129	ME-114-233-DSA	MATHEMATIC LEARNING OUTCOMES IN GEOMETRY VIEWED FROM SPATIAL INTELLIGENCE
			Author : Indah Werdiningsih, Budiyo, Hasih Pratiwi,
			Speaker :Indah Werdiningsih,
			Afiliation : UNIVERSITAS SEBELAS MARET SURAKARTA
23	130	ME-126-248-DSA	The Analysis of Students' Misconception in The Material of Definite Integrals
			Author :
			Speaker :
			Afiliation : UNIVERSITAS SEBELAS MARET
24	135	ME-103-202-DGA	DEVELOPMENT OF MATHEMATICS LEARNING MATERIAL DEVICES BASED ON ETHNOMATHEMATICS IN CHARACTER LEARNING STUDENT LEVELS OF JUNIOR HIGH SCHOOL
			Author : Ririn dwi Agustin, Mika Ambarawati, Era Dewi Kartika,
			Speaker :Ririn dwi Agustin, Mika Ambarawati, Era Dewi Kartika,
			Afiliation : IKIP BUDI UTOMO MALANG
25	139	ME-134-262-DSA	An Analysis of Mathematical Problem-Solving Process Based on Learning Style
			Author : SUSANA LABUEM,
			Speaker :SUSANA LABUEM,
			Afiliation : STATE UNIVERSITY OF MALANG
26	149	ME-100-198-DSA	Analysis of Concepts Understanding of Class X Trigonometry Material

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No	Id	Id User	Title
			Author : DWI NOVITA SARI, BUDI USODO, IKRAR PRAMUDYA, Speaker :DWI NOVITA SARI, Affiliation : SEBELAS MARET UNIVERSITY
27	151	ME-049-087-DSA	DEFRAGMENTATION OF THINKING STRUCTURE OF REFLECTIVE STUDENT ON SOLVING LINEAR PROGRAMMING WORD PROBLEM Author : Anita Dwi Septian, Tjang Daniel Chandra, Dwiyana, Speaker :Anita Dwi Septian, Affiliation : UNIVERSITAS NEGERI MALANG
28	160	ME-096-187-DSA	Team Assisted Individualization to Improve Self Confidence of Student in Mathematics Learning Author : resvita febrima, jailani, Speaker :resvita febrima, Affiliation : YOGYAKARTA STATE UNIVERSITY
29	165	ME-136-264-DSA	Ethnomathematics in Traditional Dance of Surakarta Author : Della Narulita, Mardiyana, Dewi Retno Sari Saputro, Speaker :Della Narulita, Affiliation : UNIVERSITAS SEBELAS MARET
30	171	ME-147-277-DSA	Learning Achievement Profile of Students with High Initial Abilities with Problem Based Learning Model using Realistic Mathematics Education Approach on Algebra Materials Author : Diana Tri Purnamasari, Riyadi, Sri Subanti, Speaker :Diana Tri Purnamasari, Affiliation : SEBELAS MARET UNIVERSITY
31	178	ME-150-287-DSA	Spatial Ability of Seventh Grade Students in Completing Geometry Tasks Author : Shinta Wulandari, Cholis Sa'dijah, Edy Bambang Irawan, I Made Sulandra, Speaker :Shinta Wulandari,Cholis Sa'dijah, Affiliation : PASCASARJANA UNIVERSITAS NEGERI MALANG
32	181	ME-151-289-DGA	The Development of Assessment for Learning Model with Goformative and Pen Tablet Author : toto suwanda, Dr. imam sujadi M.Si, Dr. ikrar pramudya M.Si, Speaker :toto suwanda, Affiliation : UNIVERSITAS SEBELAS MARET
33	194	ME-080-156-DSA	Students' Written Mathematical Communication Through Providing Linear Programming Word Problem in Group Discussion Author : Pradina Parameswari, Tjang Daniel Chandra, Susiswo,

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No	Id	Id User	Title
			Speaker :Pradina Parameswari, Afiliation : STATE UNIVERSITY OF MALANG
34	197	ME-156-301-DGA	Cooperative Learning Models Based on Peer Assessment to Grow Critical and Creative Thinking Ability of Students in Department of Mathematics Author : Hendro Permadi, Eddy Budiono, Dinda Dwi Nugraheni , Ariesqi Dinda Putri, Speaker :Hendro Permadi,Eddy Budiono,Dinda Dwi Nugraheni ,Ariesqi Dinda Putri, Afiliation : UNIVERSITAS NEGERI MALANG
35	199	ME-157-302-DGA	Mathematical Communication in a Cooperative Learning Model Based on Peer Assessment for Mathematics Department Students Author : Hendro Permadi, Susy Kuspambudi Andaini , Sabila Okta Syarafina, Muhammad Awwalul ikhtiar, Speaker :Sabila Okta Syarafina,Muhammad Awwalul ikhtiar, Afiliation : UNIVERSITAS NEGERI MALANG
36	200	ME-107-217-DGA	DEVELOPMENT STATISTIC TEXT BOOK FOR SPORT AND HEALTH EDUCATION TO INCREASE MOTIVATION AND CONSEPT UNDERSTANDING OF SPORT COLLAGE STUDENTS IN BUDI UTOMO MALANG COLLAGE Author : Amy Nilam Wardathi, Speaker :Amy Nilam Wardathi, Afiliation : IKIP BUDI UTOMO MALANG
37	209	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 Author : Gatot Muhsetyo, Speaker :Gatot Muhsetyo, Afiliation : UNIVERSITAS NEGERI MALANG
38	210	ME-166-318-DSA	THE VISUAL REPRESENTATION SKILL IN SOLVING FRACTION PROBLEM Author : Royyan Faradiba, Dr. Subanji, M.Si., Speaker :Royyan Faradiba, Afiliation : UNIVERSITAS NEGERI MALANG
39	211	ME-167-319-DSA	ANALYSIS OF STUDENTS' GEOMETRY SKILLS WITH COGNITIVE FIELD DEPENDENT Author : Widi Candika Pakaya, Dr. Subanji, M.Si.,

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No	Id	Id User	Title
			Speaker :Widi Candika Pakaya, Afiliation : UNIVERSITAS NEGERI MALANG
40	213	ME-165-317-DSA	Development of Math Comic Learning Media on the Subject of Algebraic Expressions for Seventh Grade of Junior High School Students. Author : Fathimatuzzahra, Indriati Nurul Hidayah, Speaker :Fathimatuzzahra,Indriati Nurul Hidayah, Afiliation : JURUSAN MATEMATIKA, FMIPA, UNIVERSITAS NEGERI MALANG
41	218	ME-118-238-DGA	TRAINING OF TRAINER FOR HIGH SCHOOL TEACHERS ON MATHEMATICAL OLYMPIAD IN MGMP KABUPATEN BANYUWANGI Author : Tjang Daniel Chandra, Santi Irawati , Nur Atikah, Dahlliatul Hasanah , Speaker :Tjang Daniel Chandra,Santi Irawati ,Nur Atikah,Dahlliatul Hasanah , Afiliation : UNIVERSITAS NEGERI MALANG

CATEGORY : PHYSICS EDUCATION (PE)

No	Id	Id User	Title
42	167	PE-028-279-DGA	Development Practicum Tools on Doppler Effect Material to Improve Student Learning Outcomes Author : Lisda Hadiani Al Fitri, Speaker :Lisda Hadiani Al Fitri, Afiliation : UNIVERSITAS NEGERI JAKARTA
43	216	PE-015-136-DSA	ANALYSE OF STUDENT LITERACY CAPABILITIES THROUGH USE OF E-BOOK BASED ON SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATIC (STEM) ON GLOBAL WARMING MATERIAL CLASS XI Author : Devi Nurrahma Wulandari, Speaker :Devi Nurrahma Wulandari, Afiliation : UNIVERSITAS NEGERI JAKARTA

CATEGORY : SCIENCE EDUCATION (SE)

No	Id	Id User	Title
44	19	SE-005-033-DSA	THE DEVELOPMENT OF ADOBE FLASH-BASED GEOGRAPHY LEARNING MEDIA TO INCREASE THE STUDENTS CURIOSITY

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No	Id	Id User	Title
			Author : Wahid Yuda Rejeki, Speaker :Wahid Yuda Rejeki, Afiliation : YOGYAKARTA STATE UNIVERSITY
45	68	SE-028-185-DSA	IDENTIFICATION OF STUDENTS' ANALYZING ABILITY IN SCIENCE LEARNING Author : YOGA PRASTOWO MUKTI, M. MASYKURI, WIDHA SUNARNO, Speaker :YOGA PRASTOWO MUKTI, Afiliation : UNIVERSITAS SEBELAS MARET SURAKARTA
46	69	SE-027-184-DSA	HIGHER-ORDER THINKING SKILL PROFILE'S IN SCIENCE LEARNING Author : Ulin Nuha Rosyida, Sukarmin, Widha Sunarno, Speaker :Ulin Nuha Rosyida, Afiliation : UNIVERSITAS SEBELAS MARET SURAKARTA
47	95	SE-034-212-DGA	TASC: Training Student's Problem-Solving Ability at Junior High School Author : Irsad Rosidi, Yunin Hidayati, Wiwin Puspita Hadi, Ana Nur Azizah, Speaker :Irsad Rosidi, Afiliation : PROGRAM STUDI PENDIDIKAN IPA, UNIVERSITAS TRUNOJOYO MADURA
48	119	SE-040-231-DSA	Argumentation Skills Profile of Junior High School Students in Science Learning Author : Puji Hendarto, Maridi, Baskoro Adi Prayitno, Speaker :Puji Hendarto, Afiliation : UNIVERSITAS SEBELAS MARET
49	153	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) Author : Nurul Hikmah, Speaker :Nurul Hikmah, Afiliation : UNIVERSITAS NEGERI JAKARTA
50	164	SE-012-146-DSA	Analysis of the Causes of Indonesian Students Low Science Literacy by the Result of PISA Author : Geby Riyanti Utami, Speaker :Geby Riyanti Utami, Afiliation : UNIVERSITAS PENDIDIKAN INDONESIA

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No	Id	Id User	Title
51	169	SE-016-107-DSA	TPACK Ability of Chemistry Teacher in Framework of Pedagogical Content Knowledge For Science Teaching on Hydrocarbon and Petroleum
			Author : M. Fakhurrazi, Mohammad Masykuri, Sarwanto,
			Speaker :M. Fakhurrazi,
			Afiliation : UNS

Malang, 11 Desember 2018

Prof. Dr. Toto Nusantara, M.Si
Chairman