

The 2<sup>nd</sup> Annual International Conference on Mathematics and Science Education  
(ICoMSE 2018)



FACULTY OF MATHEMATICS AND NATURAL SCIENCE  
UNIVERSITAS NEGERI MALANG  
Jl. Semarang No.5, Malang, Indonesia



No. : 5/LOA/ICoMSE/2018  
Subject : Official Letter of Acceptance  
Attachment : List of Accepted Articles (Period I)

August 1, 2018

Dear **Participants**,

On behalf of the committee of the International Conference on Mathematics and Science Education (ICoMSE) 2018, we are pleased to inform that your papers **have been accepted** to be presented in the conference.

We hope that you would be able to attend the conference that will be held on August 28 – 29, 2018 in Malang, Indonesia.

Should you have any enquiries, please email us at [icomse2018.fmipa@um.ac.id](mailto:icomse2018.fmipa@um.ac.id). For more detailed information, please visit the website: <http://icomse.fmipa.um.ac.id>.

We look forward to your participation at Malang, Indonesia.

Best regards,

Chairman of ICoMSE 2018



Prof. Dr. P018 Nusantara, M.Si  
NIP 196711301991031001



### LIST OF ACCEPTED ARTICLES FOR ICOMSE 2018

NO	CATEGORY	TITLE	PRESENTER
1	BE	THE EFFECTIVENESS OF EXTENSION BOOKLET BASED ON MELON FARMER SKILLS LEVEL IN NATA DE MELON MAKING PROCESS	YOSSIE ULFA NUZALIFA
2	BE	INSTRUMENT DESIGN HIGHER ORDER THINKING SKILLS (HOTS) IN BIOLOGY LEARNING	KHAIRUNNISA ABDURRACHMAN
3	BE	PENGEMBANGAN PERANGKAT PEMBELAJARAN MATERI TUMBUHAN DI SMA DENGAN MEMANFAATKAN POTENSI LOKAL SEBAGAI SUMBER BELAJAR	TRIASTONO IMAM PRASETYO
4	BE	EMPOWERING STUDENT'S METACOGNITIVE SKILL THROUGH CIRSA LEARNING	RIZHAL HENDI RISTANTO
5	BE	IDENTIFICATION OF STUDENTS' MISCONCEPTIONS ON TERATOLOGY COURSE BY USING CERTAINTY OF RESPONSE INDEX (CRI) METHOD	AMY TENZER
6	BE	BRYOPHYTA MISCONCEPTION STUDY WITH CONCEPT APPROACH IN HIGH SCHOOL BIOLOGY TEXTBOOK	SUNARMI1, TRIASTONO IMAM PRASETYO2, DWI ARIANITA WULAN SARI3
7	BE	STUDENT INFORMATION PROCESSING SKILLS ON CELL BIOLOGY LECTURES WITH VARK APPROACH	NENGSIH JUANENGSIH
8	BE	TRADITIONAL KNOWLEDGE OF LOCAL WISDOM OF KAMPUNG PULO INDIGENOUS PEOPLES (WEST JAWA) ABOUT ENVIRONMENTAL ETHICS	JAMALUDIN ABDUL GHANI
9	BE	VIRTUAL LAB DEVELOPMENT IN GENETICS COURSES: THEORETICAL REVIEW, STUDENT PERCEPTION, RESPONSE AND EXPECTATIONS	DEWI MURNI
10	BE	THE STUDENTS' INTEREST OF LEARNING SCIENCE BASED ON LEARNING STYLE INSTRUCTION	KASMAN ARIFIN
11	BE	DEVELOPMENT OF GUIDED INQUIRY LEARNING BASED ON LOCAL POTENTIAL AND THE INFLUENCE ON CRITICAL THINKING SKILLS OF VOCATIONAL STUDENTS FISHERIES AND MARINE	DINI ANNISHA
12	BE	PROMOTING KARMANA PROBLEM BASED LEARNING MODEL TO TRAIN PROBLEM SOLVING SKILLS AND ENVIRONMENTAL POLLUTION CONCEPT MASTERY	I.W. KARMANA
13	BE	THE DEVELOPMENT OF BIOCHEMISTRY TEACHING MATERIALS BASED ON GROUP INVESTIGATION	MUHAMMAD MIFTA FAUSAN
14	BE	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
15	BE	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.

NO	CATEGORY	TITLE	PRESENTER
16	BE	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
17	BE	IMPLEMENTATION OF PROJECT BASED LEARNING (PJBL) LEARNING MODEL TO ENHANCE COLLABORATION AND CREATIVITY SKILLS ON SENIOR HIGH SCHOOL STUDENTS	CHRISTINE APRIYANI
18	BE	NEED ANALYSIS OF MATERIALS AND MEDIA BIOLOGY TEACHING FOR HIGH SCHOOL STUDENTS AROUND LOCATION OF PEOPLE GOLD MINING	MUHAMMAD SYAMSUSSABRI
19	BE	NEED ANALYSIS OF MATERIALS AND MEDIA TEACHING ON TOPIC OF ENVIRONMENTAL POLLUTION AT SMAN 1 SEKOTONG	BAIQ KHANDRA MULIYA
20	BE	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
21	CE	VIRTUAL CHEMISTRY LABORATORY AS PRE-LAB EXPERIENCES: STIMULATING STUDENT'S PREDICTION SKILL	YENNI KURNIAWATI
22	CE	ELECTRONIC PROPERTIES OF SILICON CARBIDE FIBER AS ELECTRONIC SEMICONDUCTOR	DR. JAN SETIAWAN
23	CE	MULTI-LEVEL REPRESENTATION ABILITY OF STUDENTS TO WRITE TEACHING MATERIALS IN VOLTAIC CELL SUBJECT	DEWI NURDIYANTI
24	CE	STUDENT RESPONE TO MONITORING CHEMICAL PROJECT ACTIVITIES THROUGH WHATSAPP GROUP	HIDMI GRAMATOLINA RAMDHAYANI
25	CE	ANALYSIS OF THE CAUSES OF INDONESIAN STUDENTS LOW SCIENCE LITERACY BY THE RESULT OF PISA	GEBY RIYANTI UTAMI
26	CE	GENERIC SCIENCE SKILLS PROFILE OF PRE-SERVICE CHEMISTRY TEACHERS ON ATOMIC STRUCTURE AND CHEMICAL BONDING TOPICS	INDAH LANGITASARI
27	CE	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
28	ME	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
29	ME	ANALOGY REASONING IN SOLVING PICTORIAL REPRESENTATION PROBLEM: A CASE STUDY	MUNIROH NOVISA
30	ME	ANALYSIS OF INQUIRY PROCESSES FOR FINDING UNFOLDING CUBE AND BEAMS IN FIFTH GRADE ELEMENTARY SCHOOL STUDENT	SAFIRDHA NILAM WARDAH
31	ME	MATHEMATICAL REPRESENTATIONS OF STUDENTS WITH SPECIAL NEEDS IN MATHEMATICS PROBLEM SOLVING IN INCLUSIVE SCHOOL	AHMAD FARID HAEBAH
32	ME	TEACHER'S EFFORT IN SHOWING MATHEMATICAL DISPOSITION OF STUDENTS IN CLASS SEPARATING GENDER	YESY PUSPITASARI
33	ME	NEWMAN MISTAKE ANALYSIS ON WHOLE NUMBER MATERIAL REVIEWED FROM COGNITIVE STYLE	LULUK WAHYU NENGSIH
34	ME	NEWMAN MISTAKE ANALYSIS ON WHOLE NUMBER MATERIAL REVIEWED FROM COGNITIVE STYLE	SUBANJI

NO	CATEGORY	TITLE	PRESENTER
35	ME	STUDENTS' CREATIVE THINKING IN SOLVING OPEN ENDED PROBLEMS	DEWI SRI LESTARI
36	ME	STUDENTS' CREATIVE THINKING IN SOLVING OPEN ENDED PROBLEMS	SUBANJI
37	ME	THE PROCESS OF ELEMENTARY SCHOOL STUDENTS METACOGNITION IN MATHEMATICAL PROBLEM SOLVING BASED POLYA	KISTIN RESTU PERDANA
38	ME	STUDENTS' ERROR TOWARD CONCEPT IN RESOLVING MATH PROBLEM	MONA MULEKA
39	ME	ABILITY OF MATHEMATICAL LITERACY TEACHER AT THE BASIC EDUCATION	RIZQI ANNISAVITRI
40	ME	THE PROCESS OF STUDENTS' METACOGNITION IN SOLVING THE MATHEMATICAL PROBLEMS BASED ON VAK LEARNING STYLES (VISUAL, AUDITORY, AND KINAESTHETIC)	RACHMAD ABUBAKAR LAMOWA
41	ME	THINKING PROCESS OF MATHEMATICS STUDENTS WITH INTROVERT LEARNING STYLE IN SOLVING MATHEMATICS PROBLEMS	DEDE NGADINO
42	ME	STRENGTHENING CHARACTER EDUCATION IN LEARNING MATHEMATICS USING INSANA MOTIVE WOVEN FOR PRIMARY SCHOOL TEACHERS	YOHANIS NDAPA DEDA
43	ME	USING LOCAL POTENTIAL OF KEFAMENANU COMMUNITY IN THEIR EXPERIENCES OF JUNIOR HIGH SCHOOL TEACHERS OF MATHEMATICS FOR INCREASES CREATIVITY	STANISLAUS AMSIKAN
44	ME	VALIDITY ASSESSMENT OF A MULTIMEDIA BASED ON COGNITIVE LOAD THEORY FOR LEARNING UNDERGRADUATE PLANE GEOMETRY	MUKHLAS TRIONO
45	ME	AN ANALYSIS OF DIFFICULTY IN MAKING INDICATORS COMPETENCY ACHIEVEMENT	BAKHER NENOTAEK, IMAM SUJADI, SRI SUBANTI
46	ME	DEVELOPMENT AND EVALUATION OF UBIQUITOUS GEOMETRY LEARNING IN AUTHENTIC CONTEXTS WITH EXPERIENCE API	YAN AMAL ABDILAH
47	ME	DESIGN OF TEACHING MATERIALS : SCAFFOLDING-BASED INTERACTIVE TO DEVELOP REFLECTIVE THINKING SKILLS IN MATHEMATICS PRE-SERVICE TEACHERS	YUYU YUHANA
48	ME	SCAFFOLDING BASED ON COGNITIVE CONFLICT IN CORRECTING THE STUDENTS' ALGEBRA ERRORS	INDAH PUSPITASARI MAHARANI
49	ME	THE ABILITY OF DEAF PUPILS IN SOLVING MATHEMATIC PROBLEM	SAMUEL IGO LETON
50	ME	TEACHING GUIDE FOR FUNCTIONAL THINKINGS IN PRIMARY SCHOOL STUDENTS	BAGUS ARDI SAPUTRO
51	ME	STUDENT'S QUANTITATIVE REASONING IN PROBLEM SOLVING BASED ON THE COGNITIVE STYLE	FAJRIYAH RACHMATIKA
52	ME	DEVELOPING MATHEMATICS LEARNING MODEL USING REALISTIC APPROACH AND OUTDOOR ENVIRONMENT FOR ELEMENTARY SCHOOL STUDENTS	SUNARDI
53	ME	INFLUENCE OF EDUCATION BACKGROUND AND PATHWAY ON ENTRY STUDENTS BASED MATHEMATICS	EDI IRAWAN
54	ME	IMPLEMENTATION OF CREATIVE PROBLEM SOLVING (CPS) MODEL USING E-LEARNING IN APPLIED GRAPH THEORY COURSE	SAPTI WAHYUNINGSIH
55	ME	IMPLEMENTATION OF CREATIVE PROBLEM SOLVING (CPS) MODEL USING E-LEARNING IN APPLIED GRAPH THEORY COURSE	DARMAWAN SATYANANDA

NO	CATEGORY	TITLE	PRESENTER
56	ME	IMPLEMENTATION OF CREATIVE PROBLEM SOLVING (CPS) MODEL USING E-LEARNING IN APPLIED GRAPH THEORY COURSE	LUCKY TRI OCTOVIANA
57	ME	IMPLEMENTATION OF CREATIVE PROBLEM SOLVING (CPS) MODEL USING E-LEARNING IN APPLIED GRAPH THEORY COURSE	RINI NURHAKIKI
58	ME	STUDENTS' MATHEMATICAL COMMUNICATIONS IN SOLVING COMBINATION PROBLEM	SUKORIYANTO
59	ME	SHADOW SUPERVISOR STRATEGY ON STUDENT WITH ADHD IN MATHEMATICS LEARNING ACTIVITY FOR INCLUSIVE SECONDARY CLASS OF ELEMENTARY SCHOOL	ROSY MARLINA
60	ME	THE EFFECT OF THE ELPSA FRAMEWORK ON STUDENT'S ABILITY TO SOLVE FUNCTION PROBLEMS	ITA CHAIRUN NISSA
61	ME	MENGLITIK AS A MATHEMATICS LEARNING MEDIA ON CIRCLE	ROBERT SYARIFUDIN
62	ME	MENGLITIK AS A MATHEMATICS LEARNING MEDIA ON CIRCLE	LATIFAH MUSTOFA LESTYANTO
63	ME	STUDENTS' RELATIONAL UNDERSTANDING OF ALGEBRAIC FRACTION PROBLEM	MATILDE NIIS MOLO
64	ME	LEVEL OF STATISTICAL REASONING STUDENT ON STATISTICAL PROBLEM BASED ON SEX DIFFERENCES	LUTHFATURROHMAH
65	ME	MENTAL ROTATION OF JUNIOR HIGH SCHOOL STUDENTS IN TERMS OF DIFFERENCES GENDER	ERVI ANISATUL AWALAH
66	ME	THE FOLDING BACK AND PSEUDO-FOLDING BACK OF THE STUDENTS WHEN SOLVING THE LIMIT PROBLEMS	SUSISWO SUSISWO
67	ME	STUDENTS' TRANSLATION ABILITY OF MATHEMATICAL REPRESENTATIONS BASED ON THEIR LEARNING STYLES	IMAM SETIADI
68	ME	EXPLORING STUDENTS' MATHEMATICAL REASONING USING CONCEPT MAP	RITA PRAMUJIYANTI KHOTIMAH
69	ME	MATHEMATICAL REPRESENTATION OF CEREBRAL PALSY STUDENTS IN CONSTRUCTING THE CONCEPT OF PLANE GEOMETRY BASED ON APOS THEORY	ELIS DWI WULANDARI
70	ME	UNDERGRADUATE STUDENTS' CREATIVE THINKING SKILL IN MAKING OPEN-ENDED MATHEMATICAL PROBLEMS THROUGH SEMI-STRUCTURED PROBLEM POSING	ENI TITIKUSUMAWATI
71	ME	DEVELOPMENT OF ANDROID BASED INSTRUCTIONAL MEDIA OF ALGEBRAIC TILES FOR QUADRATIC EQUATION	ORIZA FEBRI IRIANTI
72	ME	DEVELOPMENT OF ANDROID BASED INSTRUCTIONAL MEDIA OF ALGEBRAIC TILES FOR QUADRATIC EQUATION	ABD. QOHAR
73	ME	SECONDARY STUDENTS OF DIFFICULTIES IN MATHEMATICAL PROBLEMS SOLVING	TATANG HERMAN
74	ME	SECONDARY STUDENTS OF DIFFICULTIES IN MATHEMATICAL PROBLEMS SOLVING	SAMSUL HADI
75	ME	ANALYSIS OF STUDENTS' DIFFICULTIES IN PROVING CONVERGENT SEQUENCE	EDWIN KRISTIANTO
76	ME	THE USE OF ICT IN LEARNING MATHEMATICS AT COMMUNITY LEARNING CENTERS HARAPAN BANGSA, TANJUNGPINANG.	DESI RAHMATINA
77	ME	SELF-CONCEPT STUDENT IN MATHEMATICS PROBLEM SOLVING	WAHYU SEPTI RAHMA YUS SULTRA
78	ME	RELATIONSHIP BETWEEN IMPULSIVE-REFLECTIVE COGNITIVE STYLE AND PROBLEM SOLVING IN MATHEMATICS	DIAN RIZKI NURAINI

NO	CATEGORY	TITLE	PRESENTER
79	ME	ALGEBRAIC THINKING OF JUNIOR HIGH SCHOOL STUDENTS IN SOLVING NUMBERS' PATTERN PROBLEM BASED ON MATHEMATICS ABILITY	NI PUTU NOVIANTY KARTIKA SARI
80	ME	VISUALIZER AND VERBALIZER COGNITIVE STYLE IN MATHEMATICS PROBLEM-SOLVING	ALFIYATU RAHMAWATININGRUM
81	ME	AFFECT OF ADVERSITY QUOTIENS IN MATHEMATHICS PROBLEM SOLVING	LUTHFI NUR PAMUNGKAS
82	ME	RELATIONAL THINKING PROCESS IN JUNIOR HIGH SCHOOL STUDENTS IN SOLVING CONTEXTUAL MATHEMATICS PROBLEM BASED ON GENDER DIFFERENCES	DIDIK HERMANTO
83	ME	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
84	ME	THE EFFECT OF CONTEXTUAL APPROACH AIDED BY VBA FOR POWERPOINT ON THE ABILITY OF SELF-UNDERSTANDING AND SELF-CONFIDENCE OF JUNIOR SECONDARY SCHOOL STUDENTS	SITI CHOTIMAH
85	ME	THE EFFECT OF CONTEXTUAL APPROACH AIDED BY VBA FOR POWERPOINT ON THE ABILITY OF SELF-UNDERSTANDING AND SELF-CONFIDENCE OF JUNIOR SECONDARY SCHOOL STUDENTS	SUKMA MURNI
86	ME	THE EFFECT OF CONTEXTUAL APPROACH AIDED BY VBA FOR POWERPOINT ON THE ABILITY OF SELF-UNDERSTANDING AND SELF-CONFIDENCE OF JUNIOR SECONDARY SCHOOL STUDENTS	SITI RUQOYYAH
87	ME	THE ROLE OF MATHEMATIC REASONING AS THE MEANS TO ACHIEVE THE 21TH CENTURY SKILLS: LEARNING AND INNOVATION	FITRIA IRDAYANI
88	ME	THE LEVEL OF STUDENT'S MATHEMATICAL LITERACY ABILITY OF JUNIOR HIGH SCHOOL STUDENTS ON GEOMETRY	PANGESTIKA SUMADIANING SAPUTRI
89	ME	MATHEMATIC LEARNING OUTCOMES IN GEOMETRY VIEWED FROM SPATIAL INTELLIGENCE	INDAH WERDININGSIH
90	ME	THE ANALYSIS OF STUDENTS' MISCONCEPTION IN THE MATERIAL OF DEFINITE INTEGRALS	RATIH DEWI RAHMAWATI
91	ME	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
92	ME	MATHEMATICS LEARNING DIFFICULTIES OF SLOW LEARNERS ON A CIRCLE	SHINTA METIKASARI
93	ME	AN ANALYSIS OF MATHEMATICAL PROBLEM-SOLVING PROCESS BASED ON LEARNING STYLE	SUSANA LABUEM
94	ME	STUDENT ALGEBRAIC REASONING TO SOLVE QUADRATIC EQUATION PROBLEM	NIA WAHYU DAMAYANTI, PURWANTO, I NENGHAH PARTA AND TJANG DAN
95	ME	PRELIMINARY DESIGN OF ILC-BASED MULTIMEDIA ON BASE OF NUMBER CONCEPT	GUSTIMAL WITRI
96	ME	LEARNING FROM IRME COURSE: INVITING PROSPECTIVE TEACHER TO PREPARE BETTER TEACHING PRACTICE	ANISA FATWA SARI
97	ME	LEARNING FROM IRME COURSE: INVITING PROSPECTIVE TEACHER TO PREPARE BETTER TEACHING PRACTICE	AGUSTIN ERNAWATI



NO	CATEGORY	TITLE	PRESENTER
98	ME	LEARNING FROM IRME COURSE: INVITING PROSPECTIVE TEACHER TO PREPARE BETTER TEACHING PRACTICE	ZAINAL ABIDIN
99	ME	EARLY IDENTIFICATION OF PRESERVICE TEACHERS' ABILITY IN MATHEMATICAL LITERACY	ANI AFIFAH
100	ME	EPISTEMIC COGNITION OF STUDENT IN SOLVING MATHEMATICAL PROBLEM	ANGGIK YULIANTO
101	ME	ANALYSIS OF CLASS X JUNIOR HIGH SCHOOL STUDENTS' UNDERSTANDING OF TRIGONOMETRY MATERIAL	DWI NOVITA SARI
102	ME	DEFRAGMENTATION OF REFLECTIVE STUDENT'S THINKING STRUCTURE ON SOLVING LINEAR PROGRAMMING WORD PROBLEM	ANITA DWI SEPTIAN
103	ME	PROBABILISTIC THINKING OF SENIOR HIGH SCHOOL STUDENTS IN SOLVING PROBABILITY TASKS	RITA RAYA
104	ME	IMPERFECT UNDERSTANDING OF TRIANGLE CONCEPT: AN EPISTEMOLOGICAL MATHEMATICS BELIEF OVERVIEW	RAHAJU
105	ME	LEVEL OF STUDENTS CREATIVE THINKING IN SOLID GEOMETRY	SUCI UTAMI
106	ME	TEAM ASSISTED INDIVIDUALIZATION TO IMPROVE SELF CONFIDENCE OF STUDENT IN MATHEMATICS LEARNING	RESVITA FEBRIMA
107	ME	ANALYSIS OF STUDENTS OF MATHEMATICAL REPRESENTATION ABILITY IN TERMS OF SELF-REGULATED LEARNING	NOOR HIDAYATI
108	ME	LEARNING STYLES AFFECT STUDENTS MATHEMATICAL CRITICAL THINKING SKILLS	ELA ULFIANA
109	ME	MISCONCEPTION ANALYSES COMPUTATIONAL OPERATIONS MATERIALS OF ALGEBRA ON PROCEDURAL ASPECT STUDENT AT JUNIOR HIGH SCHOOL IN INDONESIA	NURIKA MIFTAHULJANNAH
110	ME	ETHNOMATEMATICS IN TRADITIONAL DANCE SURAKARTA	DELLA NARULITA
111	ME	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
112	ME	CREATIVE THINKING PROCESS IN MATHEMATICS PROBLEM SOLVING ON FI AND FD STUDENTS	IKA SETYANA
113	ME	SPATIAL ABILITY OF SEVENTH GRADE STUDENTS IN COMPLETING GEOMETRY TASKS	SHINTA WULANDARI
114	ME	INTERFERENCE THINKING STUDENTS IN UNDERSTANDING FUNCTIONS	ERRY HIDAYANTO
115	ME	DEVELOPMENT OF INTERACTIVE PROBLEM SUBJECT RECTANGLE AREA TO REDUCE ANXIETY OF SECONDARY STUDENTS IN SOLVING MATHEMATICS PROBLEMS	SYAIFUL HAMZAH NASUTION
116	ME	THE DEVELOPMENT OF ASSESSMENT FOR LEARNING MODEL WITH GOFORMATIVE AND PEN TABLET	TOTO SUWANDA
117	ME	ELEMENTARY GRADERS' SPATIAL-MATHEMATICAL REASONING ON PLANE AREA	MUFARRAHATUS SYARIFAH
118	ME	DEVELOPMENT OF MODULE OF LEARNING GEOMETRY BASED ON VAN HIELE THEORY	DESHINTA PUSPA AYU DWI ARGASWARI
119	PE	DEVELOPMENT OF PHYSICS INTERACTIVE LEARNING MEDIA FOR XI GRADE STUDENTS OF SMA NEGERI 9 MAKASSAR	SITI ZAHRA MULIANTI NATSIR
120	PE	DEVELOPING LEARNING TOOLS GUIDED DISCOVERY MODELS ASSISTED PHET SIMULATIONS FOR TRAINNING CRITICAL THINKING SKILLS HIGH SCHOOL STUDENTS.	UBAID HABIBI THOHARI

NO	CATEGORY	TITLE	PRESENTER
121	PE	UNDERSTANDING THERMODYNAMICS THROUGH SCIENCE PROCESS SKILLS	SYELLA AYUNISA RANI
122	PE	PHYSICS LEARNING DEVELOPMENT OF PROBLEM BASED LEARNING MODELS WITH SCIENTIFIC APPROACH TO INCREASE UNDERSTANDING STUDENT CONCEPT	TAUFIQ ANSORI
123	PE	DEVELOPMENT OF TEST INSTRUMENTS TO MEASURE DIAGRAM AND ARGUMENTATION REPRESENTATION SKILLS IN NEWTON'S LAW	ANDI NURFITRI SYARIF
124	PE	PHYSICS LEARNING USING DIRECT INSTRUCTION MODEL ASSISTED BY PLICKERS APPLICATION TO MEASURE PROBLEM SOLVING ABILITY	MARDHIYYATIN NAQIYAH
125	PE	CAKA AS PHYSICS LEARNING MEDIA BASED ON ANDROID APPS IN SMART PHONE	HERIBERTUS DIDIK KURNIAWAN
126	PE	DEVELOPMENT PRACTICUM TOOLS ON DOPPLER EFFECT MATERIAL TO IMPROVE STUDENT LEARNING OUTCOMES	LISDA HADIANI AL FITRI
127	SE	THE EFFECTIVENESS OF CONTEXTUAL TEACHING AND LEARNING SCIENCE WORKSHEET TO IMPROVE THE PROCESS SKILL FOR PRIMARY STUDENT	NOVIARDANI KARTIKA PRAMESWARI
128	SE	MAPPING OF LAND USE CHANGE IN GROGOL SUB-DISTRICT, SUKOHARJO REGENCY IN THE YEAR 2007 AND 2017	INDRI GULANI
129	SE	THE DEVELOPMENT OF GEOGRAPHY LEARNING ADOBE FLASH-BASED TO INCREASE THE CURIOSITY OF STUDENTS	WAHID YUDA REJEKI
130	SE	THE CORRELATION BETWEEN ADVERSITY QUOTIENT WITH GEOGRAPHY LEARNING OUTCOMES OF STUDENTS IN CLASS X AT SMAN 1 KASIHAN YOGYAKARTA	YULIANA RIA ARISKA
131	SE	PRE-SERVICE SCIENCE TEACHERS' IMAGINATION OF ELECTRON CONCEPT	NURDIANA ABDULLAH
132	SE	ACCUMULATION OF HEAVY METAL (MERCURY AND PLUMBUM) IN TWO FISH SPECIES IN SIPIN AND TELUK LAKE, JAMBI PROVINCE	SISWANTA KABAN
133	SE	"THE ARTXOTIC BOOK" LOCAL CULTURE BASED MANDALA ART THERAPY TO IMPROVE STUDENT CONCENTRATION.	DYAKZA HADI PRAMESTIKA PUTRI, FITRI AZIZAH, PRATIDINA DEBORA
134	SE	SCIENCE LEARNING FOR STUDENTS WITH VISUALLY IMPAIRED: A LITERATURE REVIEW	EDIYANTO
135	SE	SCIENCE-DOMAIN-INTEGRATED-WITH-LOCAL-POTENTIAL-BASED LEARNING VIDEO AS INTERACTIVE MEDIA IN THE 21TH CENTURY LEARNING	JUMRIANI
136	SE	IDENTIFICATION ABILITY OF STUDENT ANALYSIS IN SCIENCE LEARNING	YOGA PRASTOWO MUKTI
137	SE	HIGH ORDER THINKING SKILLS PROFILES IN SCIENCE LEARNING	ULIN NUHA ROSYIDA
138	SE	STEM APPROACH APLICATION IN DEVOLOPING 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
139	SE	TASC: TRAINING STUDENT'S PROBLEM-SOLVING ABILITY AT JUNIOR HIGH SCHOOL IN MADURA	IRSAD ROSIDI
140	SE	THE IDENTIFICATION PROBLEM-SOLVING ABILITIES BASED ON GENDER: IMPLEMENTATION TEACHING SCIENCE TROUGH GUIDED DISCOVERY MODEL'S IN BANGKALAN DISTRICT	YUNIN HIDAYATI



NO	CATEGORY	TITLE	PRESENTER
141	SE	NEXT GENERATION SCIENCE STANDARD IN SCIENCE LEARNING TO IMPROVE PRACTICAL SKILL	EKA ADYTIANTO
142	SE	THE STUDY OF PROBLEM SOLVING SKILLS OF JUNIOR HIGH SCHOOL STUDENTS ON SCIENCE LESSON BASED ON STUDENT SKILL LEVEL ON KNOWLEDGE	FITRIANA NUR ASTUTI
143	SE	ARGUMENTATION SKILLS PROFILE OF JUNIOR HIGH SCHOOL STUDENTS IN SCIENCE LEARNING	PUJI HENDARTO
144	SE	IMPROVING COGNITIVE LEARNING OUTCOMES THROUGH SCIENCE LEARNING VIDEO INTEGRATED WITH LOCAL POTENCY	SOFYAN DWI NUGROHO
145	SE	PRACTICALITY OF DEVELOPMENT INTERACTIVE CD MEDIA BASED ON CHARACTERS IN PERKEMBANGAN PESERTA DIDIK SUBJECT	FIFI YASMI
146	SE	PRACTICALITY OF DEVELOPMENT INTERACTIVE CD MEDIA BASED ON CHARACTERS IN PERKEMBANGAN PESERTA DIDIK SUBJECT	ELLBERT HUTABRI
147	SE	PRACTICALITY OF DEVELOPMENT INTERACTIVE CD MEDIA BASED ON CHARACTERS IN PERKEMBANGAN PESERTA DIDIK SUBJECT	ASRIL
148	SE	ENERGY AWARENESS PROFILE OF JUNIOR HIGH SCHOOL STUDENT IN SRAGEN	WAHYU ADHI NUGROHO
149	SE	LEARNING IMPLEMENTATION OF SCIENTIFIC CRITICAL THINKING MODEL (SCT): TRAIN CRITICAL THINKING SKILL AND SELF EFFICACY CANDIDATE TEACHER CHEMISTRY	RUSMANSYAH
150	SE	ANALYSIS OF ITEMS USING THE ASSESSMENT INSTRUMENT BASED ON THE STRUCTURE OF OBSERVED LEARNING OUTCOME ABOUT BUFFER	AHMAD NASRULLOH
151	SE	LEARNING IMPLEMENTATION OF COLLABORATIVE SCIENCE BASED LEARNING (CBSL) MODELS: TRAIN CRITICAL THINKING SKILLS AND RESPONSIBILITY OF STUDENT	ISNAWATI
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