LIST OF PARALLEL SPEAKERS

Room : A

Moderator: Widodo Setiyo W, M.Pd

	Author(s)	Title
Invited Speaker 12.45-13.15	Prof. Dr. Anna Permanasari, M.Si	Today's Science education: Education for Sustainability Development as a basis of Science learning
A 1 13.15-13.25	Parmin, Erna Noorsavitri, and Endah Fitriani Rahayu	Argumentation Skills of Prospective Science Teachers through Implementing Science Integrated Learning in Basic Biology Practicum at Home
A 2 13.25-13.35	Eka Adha Apriliani, Afandi, Anisyah Yuniarti, Eka Bilanti	Critical Thinking Appraisal Scale Profile of Prospective Biology Teachers in Tanjungpura University
A 3 13.35-13.45	Eka Murdani and Andi Suhandi	Development of Creative Thinking Assessment Rubric in Project Based Learning on Electricity Topic
A 4 13.45-13.55	Annisa Trilusiani, Insih Wilujeng	Development of Natural Science Student Worksheet (LKPD) Based on Inquiry Pictorial Riddle to Improve Student Critical Thinking
A 5 13.55-14.05	Liah Badriah,Susriyati Mahanal, Betty Lukiati,Murni Sapta Sari	A Preliminary Study of Pre-Service Biology Teachers' Self-Efficacy
A 6 14.05-14.15	Nita Nuraini,Susriyati Mahanal, Herawati Susilo, Sulisetijono	Self-Regulated Learning Skills of Pre-Service Biology Teacher's in Animal Physiology: A Preliminary Analysis
A 7 14.15-14.25	Noly Shofiyah, Fitria Eka Wulandari, and Khoirul Basri	The Use of 5E Learning Cycle Model to Improve Scientific Reasoning of Eighth Grade Students
A 8 14.25-14.35	Novita Widhi Widyapuraya, Insih Wilujeng	Learning Model to Improve 21st Century Skills in Students
A 9 14.35-14.45	Widodo Setiyo Wibowo, Allesius Maryanto, Sabar Nurohman, Wa Ode Zara Septiyufrida, and Norma Bastian	Developing Science Instructional Tools Based on Interactive Learning to build Students' Preparedness toward Earthquake

Room : B

Moderator: Didik Setyowarna, M.Pd

	Author(s)	Title
Invited Speaker 12.45-13.15	Dr. Sri Wahyuni, M.Pd	Development Of Ethnoscience-Based Flipbook Media To Improve Critical Thinking Ability Of Junior High School Students
B 1 13.15-13.25	Arif Sholahuddin Yeny Artaulyna, Parham Saadi, Syahmani	Simple Colloid Products as a Learning Source of Scientific Literacy in Project-Based Learning Setting
B 2 13.25-13.35	Susilawati, Nurfina Aznam, Paidi	A Potrait of Soft Skill Implication in Teaching and Learning
B 3 13.35-13.45	Tri Wahyuni, Insih Wilujeng, Vinta Angela Tiarani	The Science Learning Media to Improve New Literacy Skills in The 4.0 Industrial Revolution Era
B 4 13.45-13.55	Vita Ria Mustikasari, Erni Yulianti, and Mahda Yulia Astary	Science Learning Integrated with Web-Based Formative Assessments to Improve Students' Understanding of Concept
B 5 13.55-14.05	Afra Lathifah, Asrowi, and Agus Efendi	How to Apply Game Learning Environment for Practicing Computational Thinking in Middle School?
B 6 14.05-14.15	Elsi Oktarina, Ana Fitrotun Nisa, Banun Havifah Cahyo Khosiyono, Ria Vionita Sari, Riski Srikonita, Endar Dwi Jayanti, Lina Isnaini	Scientific Approach in Developing Curiosity Attitude for Elementary School Students during the Covid-19 Pandemic
B 7 14.15-14.25	Andika Setia Pratama, Asri Widowati	Development of Natural Science E-LKPD Based on Guided Inquiry Within NoS for Improving Students Literacy
B 8 14.25-14.35	R. Utami and A.Widowati	Improving Student Critical Thinking Ability through Integrated of 7E Learning Cycle Model with Google Classroom
B 9 14.35-14.45	Didik S	Science Learning Oriented to Higher Order Thinking in Digital Era

Room : C

Moderator: Sigit Sujatmika, M.Pd

	Author(s)	Title
Invited Speaker 12.45-13.15	Dr. Antuni Wiyarsi, M.Sc	STEM-based Chemistry Learning in The Vocational School Perspective
C 1 13.15-13.25	Z. Zulirfan, Viera Rosiyana, M. Rahmad, Y. Yennita	Junior High School Students' Creative Thinking Skills in The Context of Global Warming: A Preliminary Study on The Implementation of a STEM at Home Approach on Science Learning
C 2 13.25-13.35	Endang Widi Winarni , Irwan Kotob), Endina Putri Purwandari	STEAM Analysis for Thematic Students Book in Elementary School
C 3 13.35-13.45	Gilang Aditya, Ika Maryani	STEM Based B-Netra as a medium to foster scientific literacy of students with visual impairment
C 4 13.45-13.55	Ayu Lilis Suryana, and Insih Wilujeng	STEM Application (Science, Technology, Engineering, and Mathematics) In Three Countries: USA, South Korea and Japan
C 5 13.55-14.05	Amalia Rahmadani and Insih Wilujeng	Writing Text Base on Socio-Scientific Issue Trough Problem Based Learning for Enhancing Literacy: A Prelimenary Study
C 6 14.05-14.15	Chaerul Rochman, Diah Mulhayatiah, Indah Sari, Herni Yuniarti Suhendi, and Dindin Nasrudin	Science Process Skills through PJBL-STEM on Global Warming Concept
C 7 14.15-14.25	Safitri, I.Y.B	The Application of Project Based STEM Learning to Improve Creative Thinking Ability in Class VI Elementary School
C 8 14.25-14.35	Aisha Azalia, Jumadi, Insih Wilujeng, Sabila Yasaroh, Desi Ramadhanti, and Hestiana	Implementation Analysis of SETS-Based Discovery Learning on Students Critical Thinking Ability
C 9 14.35-14.45	Deni Nasir Ahmad, Kasih Haryo Basuki, Eka Septiani, Aulia Masruroh, Luluk Setyowati	Analysis of Learning Results with Problem Based Learning Method with SETS Approach

Room : D

Moderator: Elyas Jufri,M.Pd

	Author(s)	Title
Invited Speaker 12.45-13.15	Dr. Munzil M.Si	Students' Interaction Pattern in Online Learning: A Study at Educational Science Department Universitas Negeri Malang
D 1 13.15-13.25	Wahono Widodo, Wasis, Suryanti	Analysis of Students' Conceptions after Learning Physics with Online Flipped Classroom
D 2 13.25-13.35	Siti Masfuah, Fina Fakhriyah, F. Shoufika Hilyana	Blended Learning Based on Science Literacy in Science Concept Course
D 3 13.35-13.45	Indana Zulfa Mawaddah, Tiya Andani, Hadma Yuliani, Rodhatul Jennah, Nadia Azizah	Analysis of the Needs for Development of E-Book Learning Media Based on FlipPDF on Sound Wave Materials in High School
D 4 13.45-13.55	Mohammad Rif'an Falah Fatahillah, Wahono Widodo, Endang Susantini, Binar Kurnia Prahani, Eko Hariyono	Playing Games by Maximizing the Positive Impacts Among the Negative Impacts in Science Learning
D 5 13.55-14.05	Muhammad Sidiq Saputra Zuhdan Kun Prasetyo, Asri Widowati	Development of Android-Based Mobile Learning Science Learning Media for Improving the Learning Motivation of Student
D 6 14.05-14.15	Herunata, Yessi Affriyenni and Reiza Arlif Fadilah	The Development of Adobe Flash Virtual Laboratory Learning in Photosynthesis Practicum for Students of junior High School Grade VII
D 7 14.15-14.25	Donny Auliya Arrohman, Normalia Sandy Palumpun, Jumadi	Analysis of Student Concept Understanding through Flipbook E-Module on Food Transfera and Conversion Materials
D 8 14.25-14.35	Astuti Wijayanti, Devi Septiani, and Dhimas Nur Setyawan	Optimizing Technology on Distance Learning for Enhancing Communication Skills
D 9 14.35-14.45	Muhammad Fajar Nur Ihsan, Muhammad Busyairi, Hadma Yuliani, Luvia Ranggi Nastiti	Meta Analysis: Effectivness of Using Android as a Physics Learning Media

Room : E

Moderator: Ika Maryani, M.Pd

	Author(s)	Title
Invited Speaker 12.45-13.15	Dr. Agus Ramdani, M.Sc	Analysis of Students' Self-Regulated Learning in Terms of Gender Using Blended Learning-Based Laboratory Inquiry Teaching Materials
E 1 13.15-13.25	Eeiss Agustina, Hadma Yuliani	Utilization of the Surrounding Nature Exploration Approach to Improve Student Learning Outcomes in Science Learning at MI Darul Ulum
E 2 13.25-13.35	Desi ramadhanti, Insih Wilujeng, Sabila Yasaroh, Hestiana, Aisha Azalia, Prisca Arzita Perdana	The Effect of Blended Learning Assisted Google Classroom on Learning Outcomes and Self-Regulated of Students
E 3 13.35-13.45	Indah Annisa Diena and Insih Wilujeng	Science Learning Based on Higher Order Thinking Skill and Its Supporting Components
E 4 13.45-13.55	Milda, Suyono, Yuni Sri Rahayu, Eko Hariyono, Binar Kurnia Prahani, and Syubhan Annur	Profil of Science Literacy of Junior High School Student on Energy Materials in Living Systems in online learning the effects of the COVID-19 Pandemic
E 5 13.55-14.05	Meli Amelia, Mufti Muhammad Hamzah, Nabilla Hana Syafira, Yulianita Nursakinah, Eliyawati1, Anna Permanasari	Analysis of Classroom Management Model in Learning Science: Case Study in Junior High School
E 6 14.05-14.15	Susongko, Purwo; Kusuma, Mobinta; Arfiani, Yuni1	3-Dimensional Scientific Literacy Assessment Framework for Senior High School Science Program Students
E 7 14.15-14.25	Ika Maryani, Zuhdan Kun Prasetyo, Insih Wilujeng, Siwi Purwanti	The Development of Higher-Order Thinking Test of Science for College Students Using the ADDIE Model
E 8 14.25-14.35	Afandi1, Kurnia Ningsih, Atika Hufiah, Anik Roslina Rosyadi, and Cornelia	Digital-Age Literacy in Indonesia: A Systematic Literature Review Using VOSViewer
E 9 14.35-14.45	S. Nurohman , W. Sunarno Sarwanto, S. Yamtinah	High Order Thinking Skills in the Inquiry Framework: A New Taxonomy on the Cognitive Domain and Its Assessment Instruments on Kinematics Topics

Room : F

Moderator: Dita Puji R, M.Pd

	Author(s)	Title
Invited Speaker 12.45-13.15	Dr. Sarwanto, M.Si	Activity-Based Science Learning to Strengthen Numeracy in Junior High School
F 1 13.15-13.25	Murni Sapta Sari, Khalimatus Sa'diyah, Shinta Dinar Arsyi Anggarani , Shinta Dewi Kristina Adriyati, Ahmad Kamal Sudrajat, Rido Sigit Wicaksono	Assessing Student's Understanding of Science During the COVID-19 Pandemic: What Should Teachers Pay Attention to?
F 2 13.25-13.35	Lusia Narsia Amsad, Jukwati, and Dolfina Costansah Koirewoa	Linking Students' Logical Reasoning Ability with Their Expertise to Work in Organic Problems
F 3 13.35-13.45	Indarini Dwi Pursitasari, Anna Permanasari, Yesi Purnawanti	Context-Based Inquiry Learning to Improve the Scientific Literacy of Junior High School Student
F 4 13.45-13.55	Ayu Febriana Mawartiningtyas, dan Allesius Maryanto	Development of Science Student Worksheet Based on Predict-Observe-Explain (POE) ti Improve Critical Thinking Skills for Junior High School Students
F 5 13.55-14.05	Meri Andaria, Raden Gamal Tamrin Kusumah, Ahmad Walid, Purdiyanto, Samsilayurni	Feasibility Test Development of Science Learning Assessment in SMP N 15 Bengkulu City
F 6 14.05-14.15	Nabilah Al 'Aina Hidayat and Insih Wilujeng	Development of Science Teaching Aids to Improve Critical Thinking Abilities and Understanding Concepts to Students
F 7 14.15-14.25	Nurul Fitriani, Agus Abhi Purwoko and Yayuk Andayani	The Development of Student Worksheet (LKPD) in The Form of Google Forms to Improve Critical Thinking Skills on Reaction Rate Topic
F 8 14.25-14.35	Eko Widodo, Anis Hazimah	Development of Student Worksheet Based on Learning Cycle 7E to Improve Science Skills Of 7th Grade Junior High School Students
F 9 14.35-14.45	Rosalia Tunika Granidis1,a) and Insih Wilujeng1, b))	Efforts to Improve Disaster Preparedness and Mitigation in Learning of Natural Science

Room : G

Moderator: Anita Ekantini, M.Pd

	Author(s)	Title
G 1 12.45-12.55	Sudarmin, W. Sumarni, S. Diliarosta, H.P Asmaningrum, Rizgiana	Learning Model Design of Inquiry Integrated Ethno-STEM For Bioactivity of Secondary Metabolits from Sarang Semut Extracts
G 2 12.55-13.05	Tutiek Rahayu, Tien Aminatun, Heru Nurcahyo, Kuswarsantyo, dan Siti Irene Astuti	Development of COVID-19 Pandemic Socialization and Mitigation Model Based on Local Wisdom For Community
G 3 13.05-13.15	Anggraita Febriana Putri, Purwanti Widhy Hastuti	Development of Science Student Worksheet Containing Local Potential of Geplak to Realize Problem-Solving Skill for Junior High School Students
G 4 13.15-13.25	Tika Bisono, Yosaphat Sumardi, Sigit Sujatmika	Developing Computer-Based Module Based Ethnosciences
G 5 13.25-13.35	Melati Arifina Alanis and Purwanti Widhy Hastuti	The Effect of a Contextual Approach Containing the Local Potential “Getuk” on Critical Thinking Skills
G 6 13.35-13.45	Bibin Rubini, Saiful Millah, and Indarini Dwi Pursitasari	Scientific Literacy Assessment Based on Local Wisdom in Testlets Models
G 7 13.45-13.55	Yudha Irhasyuarna, Ellyna Hafizah, Mella Mutika Sari, Siti Nurhaliza, Indah Najmi Fajar	The Development of Interactive Media in The Context of Wetland Local Wisdom on Science Materials for Junior High Schools to Practice Science Literacy
G 8 13.55-14.05	Lasminawati, Wilujeng I , Tiarani V A	How Local Potential-Based Contextual Learning Improve Students' Scientific Literacy?
G 9 14.05-14.15	S. Maharani1 Harlita1, NY Indriyanti1	Development and Validation of STEAM-based E Module using Local Wisdom of Ecoprint Batik to improve Students' Creativity
G10 14.15-14.25	Anggun Zuhaida, Mishbah Khoiruddin Zuhri, Sholahudin Hasby Yusuf Al Ayyubi	Analysis of Students’ Critical Thinking Skills Through Science, Technology, Engineering And Mathematics (STEM) Approach
G11 14.25-14.35	Yustia Pramesti dan Allesius Maryanto	Development Science Learning Module Based on Socio-Scientific Issues for Improving Critical Thinking Skills for Grade VII Student of Junior High School

Room : H

Moderator: Dr. Maryati, M.Pd

	Author(s)	Title
H 1 12.45-12.55	Erman Erman, Martini, Hasan Subekti, Enny Susiyawati, Nur Wakhidah, and Brijesh Pare	Examining Students' Learning in Connecting to Biochemistry Ideas to Address Socio-Scientific Issues in Virtual Classroom
H 2 12.55-13.05	A'yunin Nadhifah, Herunata, Muhammad Fajar Marsuki	Development of E-Torso Media Based on Android Application of Movement System Materials on Human Body for Class VIII Students of Junior High School
H 3 13.05-13.15	Rosmalina Mahbengi, Abdul Gani, Latifah Hanum,	Analysis of Student Learning Outcomes of Chemistry Education Undergraduate Program Through Online Mode
H 4 13.15-13.25	Putri Anjarsari, Zuhdan Kun Prasetyo, Joko Sudomo, Muhammad Sidiq Saputra	The "Kurikulum 2013" Implementation for Natural Sciences of Junior High School During Covid-19 Pandemic in Bantul Regency
H 5 13.25-13.35	Muriani Nur Hayati , M. Aji Fatkhurrohman, and Nur Aprillia	The "Sciencemopoly Game" to Improve Junior High School Students' Learning Motivation on the Digestive System Topic
H 6 13.35-13.45	Diagnesia Tambunan, S. Pd.	Development of Mobile-based learning system (SPBM) to support self-learning optimization and improve understanding of junior IPA concepts
H 7 13.45-13.55	Isnanik Juni Fitriyah, Muhammad Fajar Marsuki and Yessi Affriyenni	Development of Integrated Augmented Reality Student Teaching Materials on Volta Cell Materials
H 8 13.55-14.05	Martha Christia Narumsari and Insih Wilujeng	Developing Natural Science E-Learning Student Worksheets to Optimize Students' Curiosity and Science Literacy During Covid-19 Pandemic
H 9 14.05-14.15	Fina Indriyani, Susilowati, I Wilujeng and P W Hastuti	Development of Scientific Literacy for Junior High School Students Through Science Online Learning During the Covid-19 Pandemic
H10 14.15-14.25	Yuli Arti1 and Asri Widowati	The Effect of Multimode Learning to Improve the Learning Achievement of Junior High School Students in order to Support the "Merdeka Belajar"
H11 14.25-14.35	Asmi Aris and Erfan Priyambodo	Developing Virtual Chemical Laboratory (VCL) for Safety and Security in a Laboratory Materials for Senior High School Students
H12 14.35-14.45	Hilda Syarofa Eko Widodo, Asri Widowati, and Widodo Setiyo Wibowo	Development of Science Comic Learning Media as Resource For Independent Learning of Human Respiratory System Materials

Room : I

Moderator: Tias Ernawati, M.Sc

	Author(s)	Title
I 1 12.45-12.55	Sameer Kumar	International Student Mobility between Southeast Asia and EU: Case of Indonesia, Vietnam, and Malaysia
I 2 12.55-13.05	Sri Mulyanti, Asep Kadarohman, dan Ratnaningsih Eko S.	Green Chemistry Based: Development of Substitution Reactions Experiments
I 3 13.05-13.15	Ade Apriani, R. Ferina Intan Lusia, Hadi Purwanto	Students' Awareness of Green School Implementation to Support ESD (Education For Sustainable Development)
I 4 13.15-13.25	Arina Zaida Ilma, Asri Widowati, and Sariyah	Content Analysis of Science Curriculum on Plant Subjects in Different Countries: Indonesia, Malaysia, Singapore, and Caribbean
I 5 13.25-13.35	Laily Rochmawati Listiyani Ani Widyawati, Astuti Wijayanti, Tias Ernawati, Susanti	Processing Waste Into Compost And Plant Nutrients Through Outdoor Learning Based Eduprener Science
I 6 13.35-13.45	Ariska Mifianita, Slamet Suyanto, Tien Aminatun	Analysis of the Quality of Visual Representation of Electronic School Books for Class XII 2013 Curriculum on Cell Metabolism Matters
I 7 13.45-13.55	Sariyah, Asri Widowati, and Arina Zaida Ilma	Animal Subjects on Science Curriculum in ASEAN Countries: Indonesia, Singapore, Malaysia, Thailand, and Philippines
I 8 13.55-14.05	Supardi, Nur Kadarisman and Agus Purwanto	The Exposure Effect of Manipulated Dundubia Manifera Sound with Peak Frequency 4500 Hz on the Growth of Corn Plants
I 9 14.05-14.15	Indra Fardhani	Preservice Science Teacher Attitudes Regarding Post Pandemic Online Teaching and Learning in Indonesia
I10 14.15-14.25	Laifa Rahmawati1,a and Dewi Irianti	Frequency & Sound Intensity Analysis In Three Types Of Cultivation Cricket Singing (Gryllus Mitratus Burm)
I11 14.25-14.35	Rika Ruslindawati, Alma Fauziah, Fera Yenita, Desi Suryanti, Berry Kurnia Vilmala	Sustainability Awareness Profile of Junior High School Students in Riau Province

Room : J

Moderator: Dr. Laifa R

	Author(s)	Title
J 1 12.45-12.55	Muhamad Taufiq*1, Arief Agoestanto2, Ni Luh Tirtasari3 and Muhammad Iqbal4	Comparative Analysis of Augmented Reality-Based Virtual Science Laboratory (VSL) and Its Use in Science Education
J 2 12.55-13.05	A.Halim, Zainuddin, A.Hamid1, Irwandi, and Lilia Halim4	The Impact of Smartphones on Students' Interests and Achievement Index
J 3 13.05-13.15	A.Halim, Elmi Mahzum, Susanna, Irwandi, and Lilia Halim	Impact of Problem Solving Exercises with Minnesota Strategy on Learning Outcomes and Critical Thinking Skills
J 4 13.15-13.25	Sigit Sujatmika, Ani Widyawati, Tias Ernawati, Purwanti Widhy H	Gambier's Product (*Uncaria gambir Roxb*.) as Learning Material to Enhance Critical Thinking
J 5 13.25-13.35	PW Hastuti, I Wilujeng, Susilowati, T Nurmadhani	Integration Local Potential "Desa Wisata Ketingan" in Science Learning to Enhance Critical Thinking and Science Literacy based on Nature of Science Framework
J 6 13.35-13.45	Anatri Desstya, Yunita Wisandari	Analysis of Natural Intelligence in First Grade Student's Book Theme7: Object, Anlimals and Plants Around me by Sonya Sinyanyuri and Lubna Assagaf
J 7 13.45-13.55	Susanti, Asri Widowati	The Potential of LKPD "Circulatory System" Through Nature of Science (NOS) Within Inquiry Based Learning Approach for Improving Creative Thinking
J 8 13.55-14.05	E. Emma Widyaningsih, M.Pd	Building Character Through Science Learning In The Covid-19 Pandemic Era
J 9 14.05-14.15	Wiwin Rosiningtias, Sugiyanto, and Agung Mulyo Setiawan	Development of Digital 3D-Based Learning Media Light Materials and Optical Instruments Utilizing Holography Technology to Improve Students' Concept Understanding
J10 14.15-14.25	Nurrana Fitria Luthfi, Supahar, Laila Puspita	Online Learning Program: Pedagogical Competence on Learning Motivation Students in Biology Lesson
J11 14.25-14.35	Laifa Rahmawati and Dewi Irianti	Analysis of Science Literacy Ability of Semester V Science Education Study Program Students in terms of Ability to Answer Minimum Competency Assessment (AKM) Questions for Class VII Junior High School
J12 14.35-14.45	Diah Mulhayatiah, Hilda Sulasi Ayuningrat, Herni Yuniarti Suhendi, and Chaerul Rochman	Work and Energy: How Relationship between Learning Style and Critical Thinking Skill through Hybrid Learning?