

PARALLEL SESSIONS SCHEDULE FOR PHYSICS

Day 1, 7 May 2018

Room: Magnolia

Code and Time	Author(s)	Institution	Paper Title
P1 13.00-13.15	A D Munaqi and M A Majidi	University of Indonesia	Dynamical Mean-Field Algorithmic Formulation for Studying Metal-Insulator Transition and Collosal Magnetoresistance in Manganites
P2 13.15–13.30	Andi Mutia Fitri, Susilawati, Erin Riyantin Gunawan	Mataram University	Synthesis of Magnetite and Hematite based Iron Sand by Using Coprecipitation Method
P3 13.30-13.45	P. Prasetyo, S. A. Saptari, A. Tjahjono, B. Kurniawan	UIN Syarif Hidayatullah	Investigation of Structure and Magnetic Properties of Polycrystalline $\text{La}_{0,7}\text{Ba}_{0,21}\text{Ca}_{0,09}\text{Mn}_{1-x}\text{Ni}_x\text{O}_3$ ($x = 0,1; 0,2; 0,3$) by Sol-Gel Method
P4 13.45-14.00	Susilawati, Aris Doyan, Muhammad Taufik, Wahyudi, Eryn Ryantin Gunawan	Mataram University	The Electrical and Magnetic Properties of $\text{BaFe}_{12-2x}\text{Zn}_x\text{Mn}_x\text{O}_{19}$ as a Micro Wave Absorbent Material
P5 14.00–14.15	Anggraeni Shita Nirmala and Heru Kuswanto	Physic Education Departement, Faculty of Mathematic and Natural Science, Universitas Negeri Yogyakarta,	The Effect Temperature of the Fiber Optic's Output Signal which has been Inserted Silver Nanoparticle (AgNP)
P6 14.15-14.30	Azka Fathia and Wipsar Sunu Brams Dwandaru	Universitas Negeri Yogyakarta	Study on the Synthesis of GO-AgNP Mixture Assisted by AgNP Based on UV-Vis Spectrophotometer, SEM-EDX, XRD, and FTIR
P7 14.30-14.45	Aris Doyan, Susilawati Yanika Diah Imawanti, Muhammad Taufik	Mataram University	Synthesis And Characterization Thin Film Nano Particle Of Aluminum Tin Oxide As Touch Screen
P8 14.45–15.00	Ichwan Abimanyu and Heru Kuswanto	Physics Education Department, Faculty of Mathematic and Natural Science, Universitas Negeri Yogyakarta	Fiber Optic Humidity Sensor Based on Polymer Optical Fiber Coated with Silver Nanoparticles
COFFEE BREAK			

Code and Time	Author(s)	Institution	Paper Title
P9 15.30-15.45	Amar Amrullah, Angga Fajar Setiawan, Dedi Sastradika, Armeta Dwi Safitri, Suparno	Yogyakarta State University	Selokan Mataram Water Filtering Using Active Carbon of Coconut Shell, Indrayanti Sand and Zeolit Stone
P10 15.45-16.00	Dadan Suhendar, Nofrijon Sofyan, Hidayatullah, Is Prima Nanda	Universitas Indonesia	Characteristics of Nanocarbon Pyrolyzed from Coconut Shell
P11 16.00-16.15	Siti Julia, Yessie Widya Sari and Nurlely	Department of Physics, Faculty of Mathematics and Natural Sciences, Universitas Indonesia, Depok, Indonesia	Physiochemicals Properties of Organic Material from <i>Osphronemus goramy</i> Scales and Cutticle of Chicken Feet
P12 16.15-16.30	Muhammad Taufik, Aris Doyan, Susilawati, Pathul Hapiz, Ahmad Pauzi	Mataram University	Acoustic Characteristics Board of Areca Nuts Fiber Composites
P13 16.30-16.45	Iwan Dahlan, Aris Doyan, Kosim	Mataram University	Mechanical Test Characteristics of Terminalia Catappa Fruit Fiber Composite Material
P28 15.45-16.00	Eleeyah Saniso, Adulsmann Sukeaw, Pattama Pisapak, Sommkorn Chaiwarakorn and Musammin Sulong and Panu Thainiramit	Physics Program, Faculty of Science Technology and Agriculture, Yala Rajabhat University	The Designing and Constructing of the Simplest Pico-hydropower Generator for the Rural Community
P15 17.00-17.15	Riska Rahmawati and Heru Kuswanto	Physics Education Department, Faculty of Mathematic and Natural Science, Universitas Negeri Yogyakarta	Sensitivity and Linearity Test Weight Sensors Based on Polymer Optical Fiber with Multi Bending Form and Silver Nanoparticles Layer as Buffer
P16 17.15-17.30	Yohana Putri Safitri and Heru Kuswanto	Physic Education Departement, Faculty of Mathematic and Natural Science, Universitas Negeri Yogyakarta,	Sensitivity and Linearity Test Weight Sensor Based on Polymer Optical Fiber with Circular Form and TiO ₂ Nanoparticles as a Coating on Cladding
POSTER PRESENTATION			
P14	Roseleena Jarawae and Maimoon Intan	Physics Program, Faculty of Science Technology and Agriculture, Yala Rajabhat University	Evaluation of thermal insulation efficiency from Areca palm fiber

Day 2, 8 May 2018

Room: Magnolia

Code and Time	Author(s)	Institution	Paper Title
P17 12.30-12.45	Arif Roziqin, Oktavianto Gustin	Politeknik Negeri Batam	Soil Erosion and Conservation in Kokap Yogyakarta: an Analysis using Geospatial Information
P18 12.45–13.00	Novia Nurul Khayati, Denny Darmawan, Bambang Ruwanto, Laila Katriani, Nugroho Budi Wibowo	Yogyakarta State University	Microtremor Survey In Landslide Zone Of Ngroto Purwosari Kulonprogo Yogyakarta
P19 13.00-13.15	Latifatul Cholifah, Tjipto Prastowo, La Ode Ngkoimani and La Ode Safiuddin	The State University of Surabaya	Analysis of Tsunami-Generated Magnetic Anomaly Signals for Prospective Tsunami Early Warning System
P20 13.15-13.30	Arif Roziqin, Oktavianto Gustin	Politeknik Negeri Batam	Abrasion and Accretion in Batam Island
P21 13.30–13.45	Sulastri, Buldan Muslim, Bambang Sunardi, Yusuf Hadi Perdana, Muzli, Susilo, Supriyanto Rohadi, Jonny Effendi	Research and Development Center of BMKG	A Possibility of Real Time Earthquake Source Determination using GPS for Tsunami warning System in Indonesia
P22 13.45-14.00	Muhammad Roslan Abdul Gani, Supriyanto Ardjo Pawiro, and Djarwani Soeharso Soejoko	Universitas Indonesia	Body Size and Organ Volume of Indonesian Patients Generated from CT Images: Preliminary Study
P23 14.00-14.15	Erlinda Ratnasari Putri, Prawito, Djarwani Soeharso Soejoko	Universitas Indonesia	Computerized Aided Diagnosis (CAD) CT Images for Abnormal Cervix Using Region-based Snake Model and Support Vector Machine (SVM)
P24 14.15–14.30	Sumarna, Dyah Kurniawati Agustika, Agus Purwanto, Juli Astono	Department of Physics Education, Universitas Negeri Yogyakarta	Feature extraction Optimization Of Phonocardiography Signal By Using Discrete Wavelet Transform
P25 14.30-14.45	Tumpal Pandiangan, Ika Bali, Alexander	Matana University	Early Lung Cancer Detection Using Artificial Neural Network
P26 14.45-15.00	Andreas T. E. Prasetya, Nur A. Wibowo, Bambang Susanto, Ferdy S. Rondonuwu	NIR Center, Faculty of Science and Mathematics, Satya Wacana	Determination of Total Quality Indonesia Tea Leaves Using Fourier Transform Near-Infrared Spectroscopy And Partial Least Square Regression

Code and Time	Author(s)	Institution	Paper Title
		Christian University	
COFFEE BREAK			
P27 15.30-15.45	Tjipto Prastowo and Madlazim	The State University of Surabaya	Nuclear Test Detection Using Broadband Waveform Analysis from Full Moment-Tensor Inversion Method
P29 16.00-16.15	Didik Nurhadiyanto, Mujiyono, Angger Gufita, Riyadi Prabowo Moect, Fatchurrohman Baihaqi	Yogyakarta State University	Design of the MCCIS on the Gas-Fuelled Motorcycle to Overcome Detonation in Engine Idling
P30 16.15-16.30	Silfia Mona Aryani, Ari Diana Susanti and Soepono Sasongko	Universitas Sebelas Maret	Effect of Courtyard Position in Creating Indoor Thermal Comfort
P31 16.30-16.45	Difia Esa Bunga and Ariyadi Wijaya	Graduate Program of Mathematics Education, Yogyakarta State University, Yogyakarta, Indonesia	Improving the Ability of Mathematical Reasoning and Communication Student of Vocational High School

PARALLEL SESSIONS SCHEDULE FOR PHYSICS EDUCATION

Day 1, 7 May 2018

Room: Heliconia

Code and Time	Author(s)	Institution	Paper Title
PE1 13.00- 13.15	M. Reza Dwi Saputra and Heru Kuswanto	Yogyakarta State University	Development of Physics Mobile (Android) Learning Themed Indonesian Culture (Hombo Batu) on the Topic of Newton's Law and Parabolic Motion for Class X SMA/MA
PE2 13.15- 13.30	Oktama Azarya Nanda, and Insih Wilujeng	Universitas Negeri Yogyakarta	Design A Simple Android App to Help Students Learn Optical Instruments
PE3 13.30- 13.45	Arif Billah	Institut Agama Islam Negeri Salatiga	The Development of Virtual Laboratory Learning Media for the Subject of Physical Optics
PE4 13.45- 14.00	Rahayu Dwisiwi SR, Surachman, Joko Sudomo, Yusman Wiyatmo	Yogyakarta State University	Developing Mitigation Techniques and Management of Natural Disaster (Earthquake) for Junior Secondary School Community in Bantul
PE5 14.00- 14.15	Yosaphat Sumardi, Asti Dwi Kusumawati	Department of Physics Education Sarjanawiyata Tamansiswa University of Yogyakarta, Indonesia	Developing Set of Physics Learning Based on Elaboration Learning (EL) to Increase Concept Comprehension and Scientific Attitude
PE6 14.15- 14.30	Sukardiyono, Dadan Rosana	Physics Education Study Program, and 2 Science Education Study Program, Faculty of Mathematics and Science, Yogyakarta State University	Megabiodiversity Utilization Model For Science Material To Improve Technology Literacy And Patriotism Character

Code and Time	Author(s)	Institution	Paper Title
PE7 14.30-14.45	Melkyanus Kaleka	Universitas Flores	Effect Of Free Inquiry Models To Learning Achievement And Character Of Student Class Ix
PE8 14.45–15.00	L Hakim, A Setiawan, and P Sinaga	Universitas PGRI Palembang	The Effect of Adaptive E-Learning in Enhancing Pre- and In- Service Physics Teachers’ Professionals Competences on Electricity and Magnetism
COFFEE BREAK			
PE9 15.30-15.45	Arneta Dwi Safitri Suparwoto	Universitas Negeri Yogyakarta	Enhancing Senior High School Students’ Creative Thinking Using Project Based E-Learning
PE10 15.45-16.00	Eko Susilowati, Tantri Mayasari	Lambung Mangkurat University	Scaffolding Learning for Supporting Habits of Mind in Physics Education
PE11 16.00-16.15	Susanti Rahayu, Supriyono Koes-H, Siti Zulaikha Salis Ahda	Universitas Negeri Malang	Students’ Regulation of Cognition in Physics Problem Solving
PE12 16.15–16.30	Chairatul Umamah Herman Jufri Andi	Madura Islamic university	Development Of Project Based Learning As Learning Innovation In Applied Physics
PE13 16.30-16.45	JamiatulKhairunnisa Putri, and Supahar	Yogyakarta State University	Validity of Android Based Inquiry Tasks on Simple Harmonic Vibration Subject Matter as Learning Media
PE14 16.45-17.00	Mulinda Dewi Lestari, Heru Kuswanto	Yogyakarta State University	Development of Physics Instructional Media by The Cultural Theme (Rowboat) Based on Mobile Learning (Android) for Junior High School Students

Day 1, 7 May 2018

Room: Carnation

Code and Time	Author(s)	Institution	Paper Title
PE15 13.00- 13.15	Achmad Samsudin, Azura, Ida Kaniawati and Andi Suhandi	Universitas Pendidikan Indonesia	Unveiling Students' Misconceptions through Computer Simulation-Based PDEODE Learning Strategy on Dynamic Electricity
PE16 13.15- 13.30	Irwansyah, Sukarmin, Harjana	Universitas Sebelas Maret	Analysis Profile of Student Misconceptions on The Concept of Fluid Based Instrument Three-Tier Test
PE17 13.30- 13.45	Wilujeng Afifah Al Faizah, Suparmi, Nonoh Siti Aminah, Dewi Ratnasari	Universitas Sebelas Maret	Students' Conception on Momentum and Impulse toward Higher Order Thinking Skill
PE18 13.45- 14.00	Maida Khoirina, Cari, Sukarmin	Universitas Sebelas Maret	Identify Students' Scientific Reasoning Ability at Senior High School
PE19 14.00- 14.15	Johan Pamungkas, Supahar, Warsono, Jumadi	Yogyakarta State University	Developing Test Instrument (Essay) to Measure Diagram and Verbal Representation Skills of Students in Physics at Senior High School
PE20 14.15- 14.30	Anggita Permatasari, Wartono and Sentot Kusairi	State University of Malang	The Effect of Gender on Higher Order Thinking Skills Students in Subject of Work and Energy
PE21 14.30- 14.45	Septhi Ria Maulita, Sukarmin and Ahmad Marzuki	Universitas Sebelas Maret	Analysis Of Senior High School Students' Higher-Order Thinking Skills In Physics Learning
PE22 14.45- 15.00	Supahar and Dadan Rosana	Physics Education Study Program, and 2 Science Education Study Program, Faculty of Mathematics and Science, Yogyakarta State University	Desemination Of Authentic Assessment In Science Learning Based On Local Content To Achieve The Learning Outcomes Based On Nature Of Science
COFFEE BREAK			
PE23 15.30- 15.45	Jenny Resty Harjanti, Supahar, Warsono, Jumadi	Yogyakarta State University	Development of Objective Essay Test Instrument to Measuring Diagrams and Mathematical Representation Ability of High School Physics Students

Code and Time	Author(s)	Institution	Paper Title
PE24 15.45- 16.00	Edi Istiyono	Department of Physics Education, Faculty of Mathematics and Natural Science, Yogyakarta State University	IRT-Based Computer Adaptive Test as The Appropriate Model to Assess Physics Achievement: An Answer to 21st Century Challenge
PE25 16.00- 16.15	Syubhan An'nur, Khalid and Misbah	Universitas Lambung Mangkurat	The Effectiveness Of Physics Teaching Materials Based On The Local Wisdom Of Hulu Sungai Selatan Regency
PE26 16.15- 16.30	M Masrifah, A Setiawan, P Sinaga and W Setiawan	Universitas Pendidikan Indonesia	Profile of Senior High School In-service Physics Teachers' Technological Pedagogical And Content Knowledge (TPACK)
PE27 16.30- 16.45	Muhammad Minan Chusni, Rizki Zakwandi, Muhammad Fasha Nurfauzan, Resy Fauziyah Ratna Nurzaman, Aan Hasanah, Adam Malik	UIN Sunan Gunung Djati Bandung	Literacy of Science: How is it evolved to Pre-Service Physics Teacher?
PE28 16.45- 17.00	Sri Hartini, Thaybah and Mastuang	Universitas Lambung Mangkurat	Developing Physics Teaching Material Based On Scientific Literacy for Junior High School
PE29 17.00- 17.15	R. Cahyaningrum, A. Hidayat, Sutopo	Universitas Negeri Malang	Contrasting Cases Strategy to Overcome Students' Difficulties on The Magnetism Topic

Day 2, 8 May 2018

Room: Heliconia

Code and Time	Author(s)	Institution	Paper Title
PE30 12.30- 12.45	Eisty Delima, Warsono, Supahar, Jumadi	Universitas Negeri Yogyakarta	The Importance of Multimedia Learning Modules (MLMs) based on Local Wisdom as an Instructional Media of 21st Century Physics Learning
PE31 12.45- 13.00	Andalia Ayu Putry , Warsono, Supahar and Jumadi	Yogyakarta State University	Students and Teachers' Necessity toward Multimedia Learning Modules (MLMs) Based on Benthik Local Wisdom to Provide Students' Physics Initial Knowledge
PE32 13.00- 13.15	Lia Yuliati, Parno, Fitrika Yogismawati, Ika Khoirun Nisa,	Universitas Negeri Malang	Building Scientific Literacy and Concept Achievement of Physics Through Inquiry-based Learning for STEM Education
PE33 13.15- 13.30	Julianty Siska Tandibua Batong and Insih Wilujeng	Universitas Negri Yogyakarta	Develop Web-Student Worksheet Based Inquiry Training for Increase Science Literacy
PE34 13.30- 13.45	Ceria Putri Utami and Insih Wilujeng	Universitas Negri Yogyakarta	Development of Web Student Worksheet Based on Science, Technology and Society (STS) on Optic Material in Senior High School
PE35 13.45- 14.00	Rabya Mulyawati Ahmad and Insih Wilujeng	Universitas Negri Yogyakarta	Web Module with Image Representation and Mathematical as a Form of Optimization Ability of Creative Thinking and Conceptual Understanding
PE36 14.00- 14.15	Arif Rahmat Zain and Jumadi	Universitas Negri Yogyakarta	Effectiveness of Guided Inquiry based on Blended Learning in Phisycs Instruction to Improve Critical Thinking Skill of the Senior High School Student
PE37 14.15- 14.30	Bety Rahayu and Suparwoto	Universitas Negri Yogyakarta	Development and Validation of Subject Spesific Pedagogy (SSP) Physics with Discovery Model Assited by E-learning to Increase Scientific Reasoning and High Solution Skills
PE38 14.30- 14.45	Pri Ariadi Cahya Dinata and Suparwoto	Yogyakarta State University	Problem Based Learning with Jukung and Balogo to Improve Students' Mental Model In South Borneo

Code and Time	Author(s)	Institution	Paper Title
PE39 14.45– 15.00	Sudarmani, Dadan Rosana and Pujianto	Universitas Negeri Yogyakarta	Lesson Learned: Improving Students' Procedural Knowledge Through Physics Instruction with Media of Wave, Sound and Light
COFFEE BREAK			
PE40 15.30– 15.45	Shabrina	Universitas Negeri Yogyakarta	Increasing The Ability of Making A Graph Students of SHS Trough Discovery Learning Assisted Phet Media
PE41 15.45– 16.00	Dedi Sastradika and Jumadi	Yogyakarta State University	Development of Subject-Specific Pedagogy Based on Guided Inquiry about Newton's Law to Improve Senior High School Students' Scientific Literacy Ability
PE42 16.00– 16.15	Seftyan Agustihana, Suparno	Universitas Negeri Yogyakarta	Effectiveness of Physics Mobile Learning Media To Improve Higher Order Thinking Skills of Students In Thermodynamics
PE43 16.15– 16.30	Nani Mardiani, Heru Kuswanto	Universitas Negeri Yogyakarta	Developing the Android-Assisted Physics Interactive Learning Media Reduce Senior High School Students' Misconception About Physics and Improve Their Attitude Towards it

Day 2, 8 May 2018

Room: Carnation

Code and Time	Author(s)	Institution	Paper Title
PE44 12.30-12.45	Puspita Septim Wulandari, C.Cari, Nonoh Siti Aminah, and Jeffry Handhika	Universitas Sebelas Maret	Students' Understanding Level of Friction Force Direction Concept on Rolling Object
PE45 12.45-13.00	Indrawati Wilujeng and Faiz Hasyim	STKIP Al Hikmah	The Effect of Laboratory Based Learning in Developing Physics Teacher Candidates' Skills on Applying Measurement Instruments
PE46 13.00-13.15	Nunung Fadilah and Mundilarto	Department of Physics, Graduate School, Yogyakarta State University	The Content Validity of Two-Tier Multiple Choice Test of Physics in High School Students Based on Local Wisdom
PE47 13.15-13.30	Agista Sintia Dewi Adila, Sutopo and Wartono	State University of Malang	Students' Difficulty to Analyze P - V Diagram for Determining Temperature in Unfamiliar Process
PE48 13.30-13.45	Bayu Setiaji and Jumadi	Yogyakarta State University	Influence of E-learning on PBL Model in Physics Learning at Student's Scientific Literacy Skill and Analytical Thinking Skill
PE49 13.45-14.00	Dyane Putriera Anggraeni, Sukarmin and Fahru Nurrosyid	Sebelas Maret University	An Investigation of Physics Representational Competencies Using Representational Fluency Instrument
PE50 14.00-14.15	Geraldin Cintia Rosa, C.Cari, Nonoh Siti Aminah, Jeffry Handhika	Sebelas Maret University	Students' Understanding Level and Scientific Literacy Competencies Related to Momentum and Impulse
PE51 14.15-14.30	Shofwan Ridho, Nonoh Siti Aminah, Agus Supriyanto	Pendidikan Fisika Pascasarjana Uns	The Profile of Scientific Literacy Skill Student at SMA Batik 2 Surakarta
PE52 14.30-14.45	Desy Kumala Sari and Supahar	Universitas Negeri Yogyakarta	The Content Validity of Assessment Instruments for Measuring Analogical Transfer Ability
PE53	Aang Zainul Abidin and Edi	Department	The Design and Content Validity

Code and Time	Author(s)	Institution	Paper Title
14.45–15.00	Istiyono	of Physics Education, Graduate School, Yogyakarta State University	Testing of The PHYCALIS-Test: An Instrument for Measuring Physics Critical Thinking Skills of Senior High School Students
COFFEE BREAK			
PE54 15.30-15.45	Wahyuni Handayani, Wawan Setiawan, Parlindungan Sinaga and Andi Suhandi	UIN Sunan Gunung Djati Bandung	Students' Reading Comprehension of Science and Physics Texts
PE55 15.45-16.00	Alfan Cahya Pratama, Supahar, Warsono, Jumadi	Yogyakarta State University	The Development Physics Essay Test to Measure Vector and Mathematics Representation Ability in Senior High School
PE56 16.00-16.15	Revnika Faizah and Edi Istiyono	Department of Physics Education, Graduate School, Yogyakarta State University	Content validity of Physic Problem Solving Test with Aiken V for Mapping the ability of High Order Thinking of High School Students
PE57 16.15–16.30	Yohan Aurino Brian Patria and Edi Istiyono	Department of Physics, Graduate School, Yogyakarta State University	The Content Validity: Reasoning Multiple Choice to Measure HOTS of Marzano Version