STAFF

HANDBOOKS

(SCOPUS) (SINTA)

Name	Dr. Vina Serevina, MM
Position	Lecturer in Physics Education, state University Jakarta
Educational Backgrounds	1. Bachelor's degree Physics Education, University Country Jakarta 2. Master's degrees Management, Foundation homeland Indonesia 3. Doctoral degrees Management Education, University Country Jakarta
Academic Career (Employment)	-
Research and Development project over the last 5 years	1. 2022-Influence of Website-Based E-Learning in the Pandemic Era: Improving Students' Creative Thinking Skills through Educational Management 2. 2022-The Validity of Learning Implementation Plans of Independent Learning in Online Learning using Direct Learning Models on Thermodynamics Subject 3. 2022-Student responses to the development of on line learning devices based guided inquiry in mechanics waves matter 4. 2022-Development of Edmodo-Based On line Learning Media Devices Based on Modified Free Inquiry (MFI) on Electric CircuitsMaterials For Distance Learning (PJJ) 5. 2022-Development of Distance Learning Tools Based on Problems Solving Laboratory (PSL) on Work and Energy Materials

	6. 2022-Development of Interactive Ludo Games on Earth and Space Science Learning Material as High School Exercise Media 7. 2022-Development of On line Learning Tools for Elasticity Materials Using the 7E Learning Model in Class XI Senior High School 8. 2022-Development of Physics Learning Interactive Multimedia Integrated with Students Worksheets on the Subject of Vibration forHigh School Students 9. 2022-The effectiveness of discovery learning models on exoplanets materials in distance learning 10. 2022-The Effect of Telescope Use on High School Students Understanding and Learning Motivation 11. 2022-The Effect of Active Learning in The Flipped Classroom Learning Model on 6th Grade Science Subjects of Elementary School 12. 2022-Development of online learning implementation plan (LIP) based entrepreneurship-based learning on static fluid materials 13. 2022-Improving The Quality Of Education Through Effectiveness Of E-Module Based On Android For Improvising The Critical Thinking. 14. 2022-Development of online learning devices based on project based learning (PjBL) in optical materials 15. 2022-Quick Response (QR) Code Assisted Learning Media on Systems Materials for Distance Learning Sky Coordinates 16. 2022-Innovation Business of Unique Wall Clock as an Effort for Utilizing Cardboard Waste 17. 2022-Development Book Enrichment Knowledge Electronic Tectonic Earthquakes from a Physics Point of View for Students SMA/MA 18. 2021-Improving the Quality of Education in the Covid-19 Era Through the Implementation of Online Learning Resources With Poe2We Model on Parabolic Motion 19. 2021-The development of electronic module based on problem based learning on balance and rotation dynamic topic to improve science literacy of senior high school. 20. 2021-Development of E-Learning Videos Using a Contextual Approach to Distance Learning Static Fluid Discussion 21. 2021-Learning media development based on virtual experiment to improve high school students' critical thinking skills in circular motion concept 22. 2021-The Biomass Briquette Business as a Means of Reduction Material Burn Fossils And Reduce Waste 23. 2021-Question items material symptoms of global warming in the form of a description test to train ideation thinking in student high school class XI

	24. 2021-Development of online learning devices based on PDEODE (predict-discuss I-explain I-observe-discuss II-explain II) on the material doppler effect in the covid-19. 25. 2021-Development of Flash-Based Learning Media on Static and Dynamic Fluid Materials for Class XI High Schools 26. 2021-Development of Miniatures Teaching Aids Conversion of Motion Energy into Electrical Energy as a Learning Media for High School/Vocational Physics in Jakarta 27. 2021-Phet Simulation Media Training for Distance Learning Far 28. 2021-Training Utilization Waste Saw And Shell Egg Chicken For Open Business Biomass Briquettes 29. 2020-The development of E-learning media to improve students' science literacy skills in Senior High School 30. 2020-The development of flip book contextual teaching and learning-based to enhance students' physics problem solving skills 31. 2020-Development of website on General Physics subject to increase analytical skills of students 32. 2020-Development of connected massive open on line course (cMOOCs) based on multimedia for thermodynamics subject to improve students' self-directed learning … 33. 2020-Development Module Electronic Physics Based I-Sets Helpful Articulate Storyline On Material Light Waves 34. 2020-Application of a Guided Inquiry Model to Improve the Learning Outcomes of Class XI Physics Students 35. 2020-E-Learning Based Discovery Learning Use Schoology 36. 2019-Media Learning Ebook Based 3d Pageflip On Temperature and Heat Material Using the Discovery Learning Model Learning 37. 2019-Student Electronic Worksheets Equipped with Videos Animation Based Guided Discovery On Material Motion HarmoniousSimple 38. 2019-Student Electronic Worksheet Equipped with Simulation Phet Based Inquiry Guided For Increase Mastery Physics Concept in high school students 39. 2019-Sheet Work Electronic Participant Educate With Model Learning Based Problem For Increase Ability Higher Level Thinking 40. 2019-Development Media Learning Physics In the form of Monopoly Game on the Subject of Rotational Dynamics and Equilibrium Rigid Objects Class XI SMA 41. 2019-Learning Cycle 5E Use E-Learning Based Schoology On the subject of elasticity and Hooke's law 42. 2018- Development of performance assessment instrument based on contextual teaching and learning (CTL) on simple harmonics motion

	43. 2018- Relationship between time management and students' learning outcomes at grade XI - Science on fluid statics subject
Industry collaboration/ Community Services over the last 5 years	*1.* 2022-Training on Making Physics Learning Designs for the 20th Century 21 for MGMP Physics Teachers throughout East Jakarta at MAN 2 Jakarta *2.* 2021-Physics Learning Media Training Using PHET SIMULATION In State High School 59 Jakarta *3.* 2019-Training E-Commerce For MGMP PADEGLANG, Banten – 2019
Patents and Intellectual Property Right (IPR)	1. 2019- development set tool practice transformer steps up And Ardwino based step down 2. 2019- entrepreneurship education 3. 2019- module electronic on principal discussion wave mechanic with quantum teaching model for class students XI IPA 4. 2019- refraction light based inquiry guided withPHET simulation 5. 2019- module refraction practice light 6. 2019- student worksheet mobile learning 7. 2019- Harmonious movement simple discovery learning 8. 2019- business physics book and energy 9. 2019- evaluation book and assessment and learning 10. 2019- knowledge enrichment book transportation physics 11. 2019- nuclear enrichment book 12. 2019- high school physics book temperature and heat 13. 2019- application android media learning sound waves 14. 2018- physics in popcorn 15. 2018- mica and lunar eclipse 16. 2018- mica in fairyland 17. 2018- creativity week student 18. 2018- temperature and heat
Important publications over the last 5 years	1. 2022- The Effect of Active Learning in the Flipped Classroom Learning Model on 6th Grade Science Subjects of Elementary School 2. 2022- Development of online learning devices based on project based learning (PjBL) in optical materials 3. 2022- Development of online learning implementation plan (LIP) based entrepreneurship-based learning on static fluid materials 4. 2022- Development of Online Learning Tools Based on Computer Assisted Instruction Material for Newton's Law of Gravity 5. 2022- Learning Application Design Using Physics of Geography and Science Edition: Solar Systems for High School 6. 2022- Development of Edmodo-Based On line Learning Media Devices Based on Modified Free Inquiry (MFI) on Electric CircuitsMaterials for Distance Learning (PJJ)

	7. 2022- The Effect of Telescope Use on High School Students Understanding and Learning Motivation 8. 2021- Development of discovery learning-based on on line learningtools on momentum and impulse 9. 2021-The development of electronic module based on problem based learning on balance and rotation dynamic topic to improve science literacy of senior high school students 10. 2021- Development of online learning devices based on PDEODE (predict - Discuss i - - discuss II - Explain II) on the material doppler effect in the covid-19 pandemic era 11. 2021- Development of on line learning devices based on demonstration models on heat transfer materials 12. 2021- MIX reality based media prototype for learning physics of gravity and Kepler's law 13. 2020- Development of website on General Physics subject to increase analytical skills of students 14. 2020- The development of E-learning media to improve students' science literacy skills in Senior High School 15. 2020- Analysis of student's learning achievements using PhET interactive simulation and laboratory kit of gas kinetic theory 16. 2019- Effect of Engine Speed on the Performance of Automotive Water Conditioning Systems Using R134a and R152a US Refrigerants 17. 2019- Developing E-Module for fluids based on problem-based learning (PBL) for senior high school students 18. 2019- Developing practicum devices using magnetic sensors for circular motion at Senior High School 19. 2019- Developing high order thinking skills (HOTS) assessment instruments for fluid static at senior high school 20. 2018- Development of student performance assessment based on scientific approaches for a basic physics practicum in simple harmonics motion materials
Activities in Professional organizational over the last 5 years	1. Member of Physical Society of Indonesia (PSI)