

STAFF HANDBOOKS



[\(SCOPUS\)](#) [\(SINTA\)](#)

| | |
|---|--|
| Name | Bi Susanti, M.Pd |
| Position | Lecturer in Physics Education |
| Educational Backgrounds | <ol style="list-style-type: none"> 1. Bachelor's degree Physics Education, University Country Jakarta 2. Master's degree Science Education, University of EducationIndonesia |
| Academic Career (Employment) | TPJM UNJ Physics Education Study Program |
| Research and Development project over the last 5 years | <ol style="list-style-type: none"> 1. 2022- The effectiveness of discovery learning models on exoplanets materials in distance learning 2. 2022- Development of Edmodo-Based On line Learning Media Devices Based on Modified Free Inquiry (MFI) on Electric Circuits Materials for Distance Learning (PJJ) 3. 2021- Implementation of DVD Softball Technique Integrated with Momentum and Impulses Material towards Softball Hitting Skill and Improvement of Physics Knowledge 4. 2021- Measurement of strategic thinking abilities using essay tests on sound wave material for class XI senior high school 5. 2021- The effects of active learning model team quiz type assisted by animation videos on critical thinking abilities of high school students |

| | |
|---|---|
| | <ol style="list-style-type: none"> 6. 2021- (ISO) Media for improving learning quality using analysis RapidMiner 7. 2021- Product feasibility study: Development of e-learning media on schoology-based in problem based learning model on simple harmonious motion materials 8. 2021- Computer-Based Application for High School Physics Examsusing IRT Model 1P 9. 2021- The development of Android-based physics teaching materialson static fluids 10. 2021- Massive Open On line Simulation (MOOS) of physics concepts microscopic for improving creative thinking 11. 2021-The development of Android-based physics teaching materials on static fluids 12. 2021- Massive Open On line Simulation (MOOS) of physics concepts microscopic for improving creative thinking 13. 2020- The contribution of physics media laboratories managementtowards physics education courses 14. The effects of cooperative learning model think pairs share assistedby animation media on learning outcomes of physics in high school 15. Contributions of Physics Learning Laboratory on Laboratory Management Courses 16. 2019-Development of e-Handout materials physics based android for improving learning outcomes seniors high school students 17. 2019- Empirical abductive learning cycles model in improving college students' problem solving skills in basic physics 18. 2019- The development of virtual laboratory on fluid materials 19. 2018- Smart Aquarium US Physics Learning Media for RenewableEnergy |
| Industry collaboration/ Community Services over the last 5 years | <ol style="list-style-type: none"> 1. 2022-Learning Microsoft Excel Applications in Physics for Student High School in Ciracas Village, East Jakarta 2. 2021-PPM Improving the Quality of Learning Media for Teachers-Teacher middle school-high school Region City Tangerang South Through Training Making Media Learning Interactive Physics Helpful FLASH 3. 2020-Training Making Question Test Based Higher Orders Thinking Skills (HOTS) Assisted by Schoology LMS for Teachers High school teacher 4. 2019-Training on Designing Learning Tools Based on 21st Century Learning Skills High School Teachers in Pandeglang Regency |
| Patents and Intellectual Property Right (IPR) | |
| Important publications over the last 5 years | <ol style="list-style-type: none"> 1. 2022-The effectiveness of discovery learning model on exoplanet materials in distance learning |

| | |
|---|--|
| | <ol style="list-style-type: none"> 2. 2022-Development of Edmodo-Based On line Learning Media Devices Based on Modified Free Inquiry (MFI) on Electric Circuits Materials for Distance Learning (PJJ) 3. 2021-Implementation of DVD Softball Technique Integrated with Momentum and Impulses Material towards Softball Hitting Skill and Improvement of Physics Knowledge 4. 2021-Measurement of strategic thinking abilities using essay tests on sound wave material for class XI senior high school 5. 2021-The effects of active learning model team quiz type assisted by animation videos on critical thinking abilities of high school students 6. 2021-(ISO) Media for improving learning quality using analysis RapidMiner 7. 2021-Product feasibility study: Development of e-learning media on schoolology-based in problem based learning model on simple harmonious motion materials 8. 2021-Computer-Based Application for High School Physics Exams using IRT Model 1P 9. 2021-The development of Android-based physics teaching materials on static fluids 10. 2021-Massive Open On line Simulation (MOOS) of physics concepts microscopic for improving creative thinking 11. 2021-The development of Android-based physics teaching materials on static fluids 12. 2021-Massive Open On line Simulation (MOOS) of physics concepts microscopic for improving creative thinking 13. 2020-The contribution of physics media laboratories managementtowards physics education courses 14. The effects of cooperative learning model think pairs share assistedby animation media on learning outcomes of physics in high school 15. Contributions of Physics Learning Laboratory on Laboratory Management Courses 16. 2019-Development of e-Handout materials physics based android for improving learning outcomes seniors high school students 17. 2019-Empirical abductive learning cycles model in improving college students' problem solving skills in basic physics 18. 2019-The development of virtual laboratory on fluid materials 19. 2018- Smart Aquarium US Physics Learning Media for RenewableEnergy |
| <p>Activities in Professional organizational over the last 5 years</p> | <ol style="list-style-type: none"> 1. Member of Physical Society of Indonesia (PSI) |