**STAFF HANDBOOK**



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| **Name** | Dr. Wahono Widodo, M.Si |
| **Position** | Lecturer at Science Education, Universitas Negeri Surabaya (UNESA) |
| **Academic Career** | Bachelor Degree | Physics education, IKIP Surabaya | Graduated 1992 |
| Master Degree | Physics, UGM | Graduated 1999 |
| Doctoral Degree | Science Education, UPI | Graduated 2011 |
| **Employment** | Lecturer | Universitas Negeri Surabaya  | 1993 - now |
| **Research and Development Project over the last 5 years** | 1. Implementation of Online Learning for Device-Based Interactive Media Development during the Covid 19 pandemic
2. Development of Online Lectures in the Condition of The Covid-19 Pandemic to Improve The Critical Thinking Ability of Unesa Postgraduate Students
3. Development of a Smartphone Integrated Physical Distancing Detector to Reduce the Spread of Covid-19
4. Strengthening Tolerance Attitudes towards Diversity in Science Teacher Candidates through Lectures in the Field of Study
5. Development of Interactive Multimedia for Android-Based Natural Science Learning to Improve Elementary School Students' Science Literacy Ability
6. Development of Local Wisdom-Based Elementary Natural Science Teaching Materials (members)
7. Development of Blended Learning Teaching Materials in Integrated Science Learning Courses for Prospective Science Teachers
8. Development of Interactive Multimedia for Device-Based Science Learning to Improve Students' Science Literacy Ability
9. Strengthening Tolerance Attitudes towards Diversity in Science Teacher Candidates through Lectures in the Field of Study
10. Development of Student Worksheets for Subjects Review the Curriculum in Featured Classes to Prepare Prospective Science Teachers
11. Application of Natural Science Learning Discovery-Problem Posing to Improve Elementary School Student KPS
12. Development of Student Worksheets Movement and Change Oriented Science Integration to Practice Problem Solving Skills for Prospective Science Teachers
13. Cultivating Pancasila Values ​​Through Lectures in the Field of Science for Prospective Teachers at Surabaya State University
14. Implementation of Integrated Science Lectures at the Unesa Science Education Study Program
15. Development of Curriculum Prototype

Indonesian National Qualification Framework Oriented to Improve Professional and Pedagogical Competencies of Science Education Teacher Candidates1. Development of Learning Tools to Practice Problem Solving Skills
2. Tracing Study of Graduates of S1 Science Education
 | 20202020202020192019201920192019201820182018201820172017201620162015 |
| **Industry Collaborations over the last 5 years** | Preparation for PPL PPG Pre-Service 2020 Candidates and Teachers (Core Facilitator), GTK , KemdikbudIndonesian Student Competency Assessment (AKSI) Technical Guidance, Directorate of PSMP KemdikbudTechnical Guidance on the Development of Assessment Instruments for Indonesian SATAP Teachers 2019, Directorate of PSMP KemdikbudDevelopment of “Special Region Teacher” Teaching Materials, 2019, Directorate of Teachers and Education Personnel (GTK), KemdikbudStudent Books and Science Teacher Books Class VII Curriculum 2013, Kemdikbud | 202020192019201920192017 |
| **Patents and Property right** | Berpikir Tingkat Tinggi Problem SolvingID : C00201604486Kategori : hak cipta | Tahun Permohonan :2016Patent Holder : Prof. Dr. Muchlas, Prof. Dr. Luthfiyah Nurlaela, M.Pd, Dr. Wahono Widodo, Inzanah Inventor : * [WAHONO WIDODO](http://sinta.ristekbrin.go.id/authors/detail/?id=5993257&view=overview)

Model Pembelajaran ALLR (Active Based Ã¢â‚¬â€œ Lesson Learn Ã¢â‚¬â€œ Reflection) untuk Penguatan Sikap Toleransi dan Keadilan SosialID : EC00201939806Kategori : hak cipta | Tahun Permohonan :2019Patent Holder : Lembaga Penelitian dan Pengabdian Kepada Masyarakat (LPPM) Universitas Negeri Surabaya (UNESA) Inventor : * [WAHONO WIDODO](http://sinta.ristekbrin.go.id/authors/detail/?id=5993257&view=overview)

SSI Tekanan ZatID : EC00201941493Kategori : hak cipta | Tahun Permohonan :2019Patent Holder : Lembaga Penelitian dan Pengabdian Kepada Masyarakat (LPPM) Universitas Negeri Surabaya (UNESA) Inventor : * [WAHONO WIDODO](http://sinta.ristekbrin.go.id/authors/detail/?id=5993257&view=overview)
 | 201620192019 |
| **Important Publications over the last 5 years** | The Effectiveness ff Gadget-Based Interactive Multimedia In Improving Generation Z’s Scientific Literacy Jurnal Pendidikan IPA Indonesia, Vol. 9 (2) (2020)Guided Discovery Problem-Posing: An Attempt to Improve ScienceProcess Skills in Elementary School*International Journal of Instruction, July 2020* ***●*** *Vol.13, No.3*Development of Cartoon Concept Based Student Worksheet with Structured Inquiry Approach to Train Science Process SkillsInternational Journal of Educational Research Review, Vol. 4 (4)Education Program of Pre-Service Professional Teacher: What Do Students and Lecturers Feel About the Program?[https://doi.org/10.2991/icesshum-19.2019.58](https://dx.doi.org/10.2991/icesshum-19.2019.58)[Advances in Social Science, Education and Humanities Research](https://www.atlantis-press.com/proceedings/series/assehr); [1st International Conference on Education Social Sciences and Humanities (ICESSHum 2019)](https://www.atlantis-press.com/proceedings/icesshum-19)The effectiveness of congklak traditional game to improve students’ learning motivation in human excression system materialsDOI: <http://dx.doi.org/10.26740/jppipa.v4n1.p8-13>JPPIPA[Vol 4, No 1 (2019)](https://journal.unesa.ac.id/index.php/jppipa/issue/view/465)Pengembangan lembar kerja mahasiswa (lkm) mata kuliah dasar-dasar ipa berbasis model allr (activity based-lesson learn-reflection) untuk meningkatkan keterampilan proses sains dan pendidikan karakter calon guru IPADOI: <http://dx.doi.org/10.26740/jppipa.v3n2.p58-66>JPPIPA [Vol 3, No 2 (2018)](https://journal.unesa.ac.id/index.php/jppipa/issue/view/388)Process Skill Assessment Instrument: Innovation to measure student’s learning result holisticallyDOI: 10.1088/1742-6596/947/1/012026 [Journal of Physics Conference Series](https://www.researchgate.net/journal/1742-6588_Journal_of_Physics_Conference_Series) 947(1):012026 · January 2018 *with* 474 Reads Analysis of expert validation on developing integrated science worksheet to improve problem solving skills of natural science prospective teachersdoi :10.1088/1742-6596/1006/1/012026Journal of Physics: Conf. Series **1006** (2018) 012026

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|  | Revealing Student s Multiple-Misconception on Electric Circuits  |

doi :10.1088/1742-6596/1108/1/012088Journal of Physics: Conf. Series **1108** (2018) 012088

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|  | [Fostering students thinking skill and social attitude through STAD cooperative learning techniqu](https://www.scopus.com/record/display.uri?eid=2-s2.0-85048710071&origin=resultslist)eJournal of Physics: Conference Series | vol: 1006 | issue : 1 | 2018-04-25 |

How Does E-Learning Help The Achievement of IQF? The Analysis of E-Learning Task of Creating Temporal Evolution Chart and The Ability to Solve the Problems in The Symptoms of Vibrations and Waves1. Unnes Science Education Journal
2. [Vol 6 No 2 (2017): July 2017](https://journal.unnes.ac.id/sju/index.php/usej/issue/view/1014)

[Effectiveness of the INQF-based learning on a general physics for improving student’s learning outcome](http://www.mendeley.com/research/effectiveness-inqfbased-learning-general-physics-improving-students-learning-outcomes)Journal of Baltic Science Education, vol. 15, issue 4 (2016) pp. 441-451 Published by Scientific Methodical Center[The Development of Guided Inquiry Science Learning Materials to Improve Science Literacy Skill of Prospective Mi Teachers](http://www.mendeley.com/research/development-guided-inquiry-science-learning-materials-improve-science-literacy-skill-prospective-mi)JPII, vol. 5, issue 1 (2016) pp. 83-93The Effectiveness of CBL Model oo Improve Analytical Thinking Skills the Students ff Sport ScienceInternational Education Studies ISSN 1913-9020 (Print), ISSN 1913-9039 (Online)[Vol 9, No 4 (2016)](http://www.ccsenet.org/journal/index.php/ies/issue/view/1566) | 20202020201920192019201920182018201820182017201620162016 |
| **Activities in specialist bodies over the last 5 years** | Seminar PPII Jatim 2020Pengembangan Literasi Sains pada Pandemi Covid-19Zoom, 2020STEACH 2018Socio-scientific issues in gadget: interactive multimedia to increase z-generation science literacySurabaya, 2018ICST - IJCSTEnhancing Problem Solving Skills of Pre-Service Teachers by Integrating 21st Century Interdisciplinary Theme Into Science ClassBali, 2018IJCSTRevealing Students’ Multiple-Misconception on Electric CircuitsBali, October 2017Konaspi VIIPenanaman Nilai-nilai Pancasila dalam Perkuliahan Non-Pancasila (Perkuliahan Bidang IPA): Persepsi DosenJakarta, Oktober 2016 | 20202018201820172016 |