**Bachelor of Education in Science STAFF HANDBOOK**

Email: ipa.fmipa@um.ac.id

Website: http://ipa.fmipa.um.ac.id/

|  |  |
| --- | --- |
| Name | Vita Ria Mustikasari, S.Pd., M.Pd. |
| Post | STEM, Etnoscience and Science Learning Assessment |
| AcademicCareer | S1 | Physics Education Universitas Negeri Malang | Graduated 2008 |
| S2 | Physics Education Universitas Negeri Malang | Graduated 2013 |
| Employment | Lecturer | Universitas Negeri Malang | 2013 - present |
| Research and development project over the last 5 year | Analysis of Understanding Concepts, Self Efficacy, and Self Regulation ofJunior High School Students through Inkuiri-Based Learning Strategies Integrated Web-formative Assessment | 2020 |
| Analysis of Scientific Literacy of Junior High School Students in Science Subjects through Problem-Based Learning Strategies | 2019 |
| Analysis of Student Creativity through Learning with STEM Approach to Biophysical Courses | 2018 |
| STEM Learning through Blended Learning in Biophysical Subjects | 2018 |
| Description of Understanding Concept in Vibration and Wave Materials ofStudents Science Education Study Program through Portfolio Assessment | 2017 |
| Analysis of Science Thinking Ability of Students Science Education Programis reviewed from the Score of National Examination for Senior High School | 2016 |
| Industry collaborations over the last 5 year | Workshop Improvement on Professional and Pedagogical Competency of Science Teachers through Activities Based on Professional Learning Community for Community of Junior High School Science Teacher inMalang City | 2020 |
| Training of Article Writing Based on Action Research for Community ofJunior High School Science Teacher in Kediri Regency | 2019 |
| Training of Article Writing Based on Action Research for Community ofJunior High School Science Teacher in Probolinggo Regency | 2019 |
| Workshop on Strengthening Science Materials and Science Learning Modelsfor Community of Junior High School Science Teacher in Lumajang Regency | 2018 |
| Workshop Development of High Order Thinking Skills Test for Communityof Junior High School Science Teacher in Banyuwangi Regency | 2018 |
| Workshop Analysis of Graduate Competency Standards for National Examination for Community of Junior High School Science Teacher in BlitarRegency | 2017 |
| Training Implementation of Learning Model based on Characteristics ofScience Competency for Community of Junior High School Science Teacher in Blitar Regency | 2016 |
| Patens and propriety right | No | Judul/Tema HAKI | Tahun | Nomor P/ID |
| 1 | High Order Thinking Skills Assessment Instrumentson Hearing System and Sonar Materials for Junior High School Students Grade VIII | 2020 | EC00202032146,10 September2020 |
| 2 | Learning Media Android-Based in Sound and Hearing Topics | 2020 | EC00202032148,10 September2020 |
| 3 | Optical Geometry : Formative AssessmentApplication Assisted Augmented Reality Integrated | 2020 | EC00202037628,5 October 2020 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | SIPEJAR In Wave And Optical Courses |  |  |
| 4 | Critical Thinking Skills Assessment Instruments inTemperature and Heat Materials for Junior High School Students Grade VII | 2019 | EC00201975263,10 October 2019 |
| 5 | Scientific Reasoning Test Instruments for Junior High School Students Grade VIII in PressureMaterials | 2019 | EC00201975264,10 October 2019 |
| 6 | Book of Augmented Reality-Based on the Topic of Plant Tissue Structure and Function | 2019 | EC00201984498,29 November2019 |
| 7 | Module of Practicum for Basic Physics II | 2019 | EC00201980648,8 November 2019 |
| Important publicati ons over the last 5 year | The Implementation of PjBL-STEM Model to Improve Eight Graders’Scientific Literacy; AIP Conference Proceedings; 2215, 040009 (2020); https://doi.org/10.1063/5.0000635 | 2020 |
| Improving Students’ Science Learning Outcomes through Joyful-inquiry Interactive Demonstration assisted by Game Android; AIP ConferenceProceedings; 2215, 040008 (2020); https://doi.org/10.1063/5.0000566 | 2020 |
| The improvement of Higher Order Thinking Skills through Learning Cycle7E on Analyzing Human Excretion; AIP Conference Proceedings 2215, 040006 (2020); https://doi.org/10.1063/5.0000588 | 2020 |
| Experimental Evidence of Enhancing Scientific Reasoning through Guided Inquiry Model Approach; AIP Conference Proceedings 2215, 050016 (2020);https://doi.org/10.1063/5.0000637 | 2020 |
| Evaluating the Effectiveness of Problem Based Learning in Enhancing Students’ Higher Order Thinking Skills; AIP Conference Proceedings 2215,050016 (2020); https://doi.org/10.1063/5.0000637 | 2020 |
| Development of Two-Tier Multiple Choice Test Instruments to Measure Higher Order Thinking Skills of Junior High School Students in Temperature and Heat Materials; JIPVA (JURNAL PENDIDIKAN IPA VETERAN); 3(2) (2019) ; <http://e-journal.ivet.ac.id/index.php/jipva/article/view/777> | 2019 |
| Integration of Formative Assessment in Learning through Scientific Approach to Understand Student Concepts; JIPVA (JURNAL PENDIDIKAN IPA VETERAN); 3 (1) (2019) ; [http://e-](http://e-/)journal.ivet.ac.id/index.php/jipva/article/view/778 | 2019 |
| Discovery Learning : Implementation in Science Learning assisted by Interactive Digital Teaching Materials to Improve Student Learning Achievement; JIPVA (JURNAL PENDIDIKAN IPA VETERAN); 3 (1)(2019) ; <http://e-journal.ivet.ac.id/index.php/jipva/article/view/770> | 2019 |
| Development of High Order Thinking Skills Assessment Instruments on Hearing System and Sonar Materials for Junior High School Students Grade VIII; JEP (Jurnal Eksakta Pendidikan); 2 (2) (2018);<http://jep.ppj.unp.ac.id/index.php/jep/article/view/212> | 2018 |
| Development of Scientific Literacy Test Instruments for Junior High School Students of Substance Pressure Materials and Application in Life; (Jurnal Pembelajaran Sains); 2 (2) (2018);<http://journal2.um.ac.id/index.php/jpsi/article/view/6650> | 2018 |
| Identification of Misconceptions of Substance Pressure Concept Students Grade VIII-C of Junior High School 1 Karangploso Malang Regency Year 2017-2018 Even Semester; (Jurnal Pembelajaran Sains); 1 (2) (2017);<http://journal2.um.ac.id/index.php/jpsi/article/view/2563> | 2017 |
| Activities in specialist bodies over the last5 year | Science Teacher Assosiation of Indonesia | Member | 2015 - 2020 |
| Science Teacher Assosiation of Indonesia | Member | 2020 - 2025 |