

## STAFF HANDBOOK



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| <b>Name</b>                                                   | Dr. Dyah Astriani, S.Pd.,M.Pd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                   |                                                                                                 |
| <b>Position</b>                                               | Lecturer at Science Education, Universitas Negeri Surabaya (UNESA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                   |                                                                                                 |
| <b>Academic Career</b>                                        | Bachelor Degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Biological Education, Universitas Negeri Surabaya | Graduated 2002                                                                                  |
|                                                               | Master Degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Science Education, Universitas Negeri Surabaya    | Graduated 2006                                                                                  |
|                                                               | Doctoral Degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Biological Education, Universitas Negeri Malang   | Graduated 2021                                                                                  |
| <b>Employment</b>                                             | Lecturer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Universitas Negeri Surabaya                       | 2008 - now                                                                                      |
| <b>Research and Development Project over the last 5 years</b> | <ol style="list-style-type: none"> <li>1. Implementation of Socio-Scientific Inquiry-Based Blended Learning (SSIBBL) to Improve Science Literacy of Science Teacher Students: Efforts to Create Citizens who Are Knowledge-Literate and Responsible for Various Global Problems (Autor: Ahmad Fauzi Hendratmoko, Fikky Dian Roqobih, Sapti Puspitarini, <b>Dyah Astriani</b>, Hasan Subekti, &amp; Fasih Bintang Ilhami)</li> <li>2. Competency Model: Implementation of Structured Assignments for Developing TPACK-Based Teaching Modules for Prospective Science Teachers</li> <li>3. Blended Learning Design to Optimize Independent Learning and Independent Campus (MBKM) Activities in Higher Education</li> <li>4. Blended Learning Design to Optimize Independent Learning and Independent Campus (MBKM) Activities in Higher Education</li> <li>5. Implementation of Conditional Activity Mode in LMS on Student Participation in Hybrid Learning</li> <li>6. Integrating STEAM-Project-Based Learning (PjBL) to Train Critical Thinking Skills in Prospective Science Teachers</li> <li>7. Students' Mental Models of Thermodynamics: A Guided Inquiry Perspective</li> <li>8. Implementation of <i>Team-Based Projects</i> with Heutagogy Approach to Develop the Capabilities of Prospective Science Teachers: MB-KM CoE Model</li> </ol> |                                                   | <p>2025</p> <p>2024</p> <p>2024</p> <p>2023</p> <p>2023</p> <p>2022</p> <p>2021</p> <p>2021</p> |
| <b>Industry Collaborations</b>                                | <ol style="list-style-type: none"> <li>1. Speakers at the PKM activity on Empowering Science Teachers To Design Innovative Learning Based On Gender-Responsive And Inclusive Deep Learning.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                   | 2025                                                                                            |



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|     | Score. <i>International Journal of Interactive Mobile Technologies</i> , 18(6).                                                                                                                                                                                                                                         |      |
| 9.  | Susiyawati, E., Erman, E., <b>Astriani, D.</b> , & Rahayu, D. A. (2024). Facilitating Flexible Learning: A Study of Students' Perceptions of Synchronous and Asynchronous Blended Learning. <i>Journal of Education and e-Learning Research</i> , 11(2), 422-434.                                                       | 2024 |
| 10. | Susiyawati, E., Erman, E., <b>Astriani, D.</b> , & Rahayu, D. A. (2024). Blended Learning in Science Classroom: Its Impact on Preservice Teachers' Science Process Skills. <i>KnE Social Sciences</i> , 398-412.                                                                                                        | 2024 |
| 11. | Roqobih, F. D., & Astriani, D. (2024). Distance Learning Experience: Unleashing the Power of Peardeck for Post-Pandemic Education. <i>Jurnal Pijar Mipa</i> , 19(3), 386-390.                                                                                                                                           | 2024 |
| 12. | Purnomo, A. R., Mahdiannur, M. A., Sari, D. A. P., Budiyanto, M., & <b>Astriani, D.</b> (2024, May). The Effectiveness of Mind-Map as A Pedagogical Tool In Enhancing Conceptual Understanding Of Photosynthesis. In AIP Conference Proceedings (Vol. 3116, No. 1, p. 100015). AIP Publishing LLC. <a href="#">Link</a> | 2024 |
| 13. | <b>Astriani, D.</b> , Rosdiana, L., Fauziah, A. N. M., & Purnomo, A. R. (2023). STEAM-Project Based Learning (PjBL): Efforts to Train Critical Thinking Skills for Prospective Science Teacher. <i>Jurnal Penelitian Pendidikan IPA</i> , 9(10), 7909-7915.                                                             | 2023 |
| 14. | Mahdiannur, M. A., <b>Astriani, D.</b> , Rosdiana, L., & Maulida Fauziah, A. N. (2024). Prospective Science Student Teachers' Online Learning Environment Experiences: Measurement Based on the Net Promoter Score. <i>International Journal of Interactive Mobile Technologies</i> , 18(6).                            | 2023 |
| 15. | Anisa, V. M., & <b>Astriani, D.</b> (2022). Implementation of PhET simulation with discovery learning model to improve understanding of dynamic electricity concepts. <i>Jurnal Pijar Mipa</i> , 17(3), 292-301.                                                                                                        | 2022 |
| 16. | Nisa, C. C., & <b>Astriani, D.</b> (2022). Application of the guided inquiry learning model to increase student learning motivation. <i>Jurnal Pijar Mipa</i> , 17(4), 475-479.                                                                                                                                         | 2022 |
| 17. | <b>Astriani, D.</b> , Nurita, T., Rosdiana, L., & Hidayati, S. N. (2021). Student Worksheets Based on Virtual Labs: Efforts to Optimize Science Practicum in Pandemic Time. <i>SEJ (Science Education Journal)</i> , 5(2), 117-127.                                                                                     | 2021 |
| 18. | Nurita, T., Fauziah, A. N., Astriani, D., Erman, E., & Susiyawati, E. (2021, December). Mental Model Students on Thermodynamics in the Application of                                                                                                                                                                   | 2021 |

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|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|                                                              | <p>Guided Inquiry. In <i>International Joint Conference on Science and Engineering 2021 (IJCSE 2021)</i> (pp. 390-394). Atlantis Press.</p> <p>19. <b>Astriani, D.</b>, Susilo, H., Suwono, H., Lukiati, B., &amp; Purnomo, A. (2020). Mind mapping in learning models: A tool to improve student metacognitive skills. <i>International Journal of Emerging Technologies in Learning (iJET)</i>, 15(6), 4-17. <a href="#">Link</a></p> | 2020      |
| <b>Activities in specialist bodies over the last 5 years</b> | Members of the Indonesian Science Educators Association                                                                                                                                                                                                                                                                                                                                                                                 | 2024-2029 |