

## STAFF HANDBOOK



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<b>Position</b>	<b>Lecturer on Chemistry Education</b>		
<b>Academic Career</b>	<b>Degree</b>	<b>University</b>	<b>Year</b>
	Bachelor Degree (Chemistry)	Unesa Surabaya – Indonesia	1999-2004
	Master Degree (Science Education)	Unesa Surabaya – Indonesia	2006-2008
	Doctoral Degree (Chemistry Education)	Universitas Negeri Malang-Indonesia	On Process
<b>Employment</b>	<b>Position</b>	<b>Employer</b>	
	Senior Assistant	Unesa Surabaya-Indonesia	
	Assistant Professor on Chemistry Education	Unesa Surabaya-Indonesia	
	Member of the management team of the excellent class of the Faculty of Mathematics and Natural Sciences Unesa	Unesa Surabaya-Indonesia	
	Journal of Chemistry Education and Reserach (JCER) editorial team	Unesa Surabaya-Indonesia	
<b>Research and Development Project Over the Last 5 Years</b>	<b>Title</b>	<b>Funder</b>	<b>Year</b>
	Development of FMIPA as a Center for Distance Learning in the PSBB Period in Surabaya	Faculty of Mathematics and Natural Sciences Research Project	2020
	The Effectiveness of English Course in Improving English Ability of Excellent Class Students in the Faculty of Mathematics and Natural Sciences	Faculty of Mathematics and Natural Sciences Research Project	2019
	Train Ecopreneurship through Designing Games as a Media for Learning Chemistry in Chemistry Game Media Lectures	Faculty of Mathematics and Natural Sciences Research Project	2018
	Skills Enhancement Science Process Students With Using the Laboratory Visual in Learning Acid-Base-Salt	Faculty of Mathematics and Natural Sciences Research Project	2017
	Development of Chemistry Practicum Book Accompanied Inorganic With Material Safety Data Sheet	Faculty of Mathematics and Natural Sciences Research Project	2016

<b>Community Service Over The Last 5 Years</b>	<b>Title</b>	<b>Funder</b>	<b>Year</b>
	Pelatihan dan Workshop Pembuatan E-modul Interaktif sebagai Inovasi Bahan Ajar di Era Society 5.0	Faculty of Mathematics and Natural Sciences Research Project	2021
	Training Production of Media As A Remote Learning Solution In The Era Of Covid-19	Faculty of Mathematics and Natural Sciences Research Project	2020
	Training on the Development of KPS Assessment Instruments for High School Teachers in Mapel Kimia in Sumenep City	Faculty of Mathematics and Natural Sciences Research Project	2019
	Training on Writing Scientific Articles Based on Classroom Action Research (PTK) for High School Chemistry Teachers at Chemistry MGMP SMA Kediri City	Faculty of Mathematics and Natural Sciences Research Project	2018
	Strengthening the Professional Competence of Chemistry Teachers in Chemistry MGMP SMA Blitar City	Faculty of Mathematics and Natural Sciences Research Project	2017
	Training on the Use of Virtual Laboratory as Chemistry Learning Media for Teachers in Chemistry MGMP Banyuwangi City	Faculty of Mathematics and Natural Sciences Research Project	2016
<b>Industry Collaborations Over the Last 5 Years</b>	<b>Title</b>	<b>Partner</b>	<b>Year</b>
<b>Patents and Property Right</b>	<b>Title</b>	<b>Patent ID</b>	<b>Year</b>
	Chemistry Adventure, Computer Program	EC00202018375	2020
	Inorganic Chemistry of Transition Elements, Book	EC00201941479	2019
	Inorganic Chemistry of the Main Group Elements, Book	C00201603462	2016
<b>Important Publications Over the Last 5 Years</b>	<ol style="list-style-type: none"> <li><b>Hidayah, R.,</b> Fajaroh, F., and Narestifuri, R.E. (2021). Pengembangan Model Pembelajaran Collaborative Problem Based Learning Pada Pembelajaran Kimia di Perguruan Tinggi. <i>QALAMUNA: Jurnal Pendidikan, Sosial, dan Agama</i> 13 (2), 503-520.</li> <li><b>R Hidayah.</b> (2021). Training Training on Making Media (Chemistry Online Learning) as a Distance Learning Solution. <i>Warta Pengabdian</i> 15 (2), 52-66.</li> <li><b>R Hidayah,</b> Dasna, I.W., Parlan, P., Fajaroh, F. (2021). Collaborative Problem Based Learning to Improve Metacognitive of Chemistry Students: Systematic Literature Review. <i>Preprints.</i></li> <li>Lutfi, A., <b>Hidayah, R.,</b> Sukarmin, S., and Dwiningsih, K. (2021). Chemical bonding successful learning using the "Chebo collect game": A case study. <i>Journal of Technology and Science Education</i> 11 (2), 474-485.</li> <li>Muchlis, M., and <b>Hidayah, R.</b> (2021). Pelatihan Pengembangan Instrumen Penilaian KPS bagi Guru SMA Mapel Kimia di Kabupaten Sumenep. <i>Jurnal ABDI: Media Pengabdian Kepada Masyarakat</i> 7 (1), 30-35.</li> <li><b>Hidayah, R.,</b> and Lutfi, A.. (2021). Applying gamification to improve the</li> </ol>		

- quality of teaching and learning of Chemistry in high schools: A case study of Indonesia. *Asia-Pacific Forum on Science Learning and Teaching* 20 (2), 1-17.
7. Lutfi, A., and Hidayah, R. (2021). Gamification for Learning Media: Learning Chemistry with Games Based on Smartphone. *Journal of Physics: Conference Series* 1899 (1), 012167.
  8. **Hidayah, R.**, Lutfiana, L., Kurniawan, A.B., and Ishma, E.F. (2021). Implementation of Techno-Ecopreneurship Worksheet to Train Scientific Literacy Ability among Students in Thermochemistry Topic. *Anatolian Journal of Education* 6 (1), 17-28.
  9. **Hidayah, R.**, Lutfi, A., and Novita, D. (2021). Designing Chemistry Learning Media to Train Ecopreneurship. *Journal La Edusci* 2 (1), 14-19
  10. Ayona, V., and **Hidayah, R.** (2021). Practicality of an Android Based Chemistry Adventure Game as a Chemical Bond Learning Media. *EduChemia (Jurnal Kimia dan Pendidikan)* 6 (1), 67-77.
  11. Lutfi, A., **Hidayah, R.** (2021). Gamification for Science Learning Media Challenges of Teacher and Expectations of Students. *International Association of Online Engineering*.
  12. Fadhilah, R.A.N, and **Hidayah, R.** (2020). The Validity of Student Worksheet Oriented Blended Learning to Improve Science Literacy Skills in Redox Material. *Jurnal Pendidikan dan Pembelajaran Kimia* 9 (3), 126-138.
  13. Praptiwi, R.A., Kurniawan, R.D., and **Hidayah, R.** (2020). The Effect of Chemiclfe Media on Chemical Bond Material Based on Completeness and Student Learning Outcomes. *International Joint Conference on Science and Engineering (IJCSE 2020)*, 172-175.
  14. Kurniawan, A.B., and **Hidayah, R.** (2020). Validitas Permainan Zuper Abase Berbasis Android Sebagai Media Pembelajaran Asam Basa. *Jurnal Pendidikan Dan Pembelajaran Kimia* 9 (1), 63-70.
  15. **Hidayah, R.** (2020). Pelatihan Penulisan Artikel Ilmiah Berbasis Penelitian Tindakan Kelas (PTK) Bagi Guru Kimia SMA di MGMP Kimia SMA Kabupaten Kediri. *Jurnal ABDI: Media Pengabdian Kepada Masyarakat* 5 (2), 107-110.
  16. **Hidayah, R.**, Rahmawati, A., and Fatimah, N. (2020). Lembar Kerja Siswa Berbasis Inkuiri Pada Kurikulum 2013 Materi Asam Basa. *Orbital. Jurnal Pendidikan Kimia* 4 (2), 170-182
  17. Destari, T.Y., **Hidayah, R.** (2019). The Effectiveness of Scrapmod as A Learning Media to Improve Students'learning Outcomes. *JTK (Jurnal Tadris Kimiya)* 4 (2), 216-225.
  18. Qona'atun, M., Lutfi, A., **Hidayah, R.** (2019). Chemmo Configuration Game As Learning Media On Periodic System Of Element Matter. *National Seminar on Chemistry*, 168-174.
  19. Lutfi, A., **Hidayah, R.**, and Hidayah, I.A. (2019). Use of Computerized Games on Chemistry Learning. *Mathematics, Informatics, Science, and Education International Conference 2019*.
  20. **Hidayah, R.**, Destari, T.Y. (2019). The Practicality of Scrap-mod as a Learning Media on Molecular Geometry. *Mathematics, Informatics, Science, and Education International Conference 2019*.
  21. Lutfi, A., **Hidayah, R.**, Qona'atun, M. (2019). Application of Chemmo Configuration Play as a Learning Media of Elements Periodic System. *National Seminar on Chemistry 2019 (SNK-19)*, 235-238
  22. **Hidayah, R.** (2019). Efektivitas Lembar Kerja Peserta Didik (LKPD) Berbasis Contextual Teaching and Learning untuk Melatihkan

- Keterampilan Berpikir Kritis pada Materi Larutan Elektrolit dan Nonelektrolit. *Jurnal Zarah* 7 (2), 35-39.
23. Rahmanah, A., **Hidayah, R.**, Yonata, B. (2019). Validity of Simple NOMIC Game Based Android as Learning Media on Nomenclature of Inorganic Compounds. *Prosiding Seminar Nasional Kimia 2019*, 5.
  24. Maharani, D.K., Dwiningsih, K., **Hidayah, R.** (2019). Development of Inorganic Chemistry of Transitional Chemistry Materials in Chemistry Department. *JCER (Journal of Chemistry Education Research)* 3 (1), 15-21.
  25. Ningsih, R.K., and **Hidayah, R.** (2019). The Effectiveness of Chemical Practicum Kit to Train Science Process Skill in 10<sup>th</sup> Grade. *JCER (Journal of Chemistry Education Research)* 3 (1), 1-8.
  26. Lutfi, A., Suyono, S., Erman, E., and Hidayah, R. (2019). Edutainment with computer game as a chemistry learning media. *JPPS (Jurnal Penelitian Pendidikan Sains)* 8 (2), 1684-1689.
  27. **Hidayah, R.**, and Rahmanah, A. (2019). Kepraktisan Permainan Simple NOMIC Berbasis Android sebagai Media Pembelajaran pada Materi Tata Nama Senyawa Anorganik Sederhana. *EduChemia (Jurnal Kimia dan Pendidikan)* 4 (2), 195-203.
  28. **Hidayah, R.** (2019). Efektivitas Lembar Kerja Peserta Didik (LKPD) Dengan Strategi Mind Mapping Pada Materi Ikatan Kimia Kelas X SMA. *Inovasi-Jurnal Diklat Keagamaan* 13 (2), 23-29.
  29. **Hidayah, R.** (2019). The Effect Of Using Atomic Models Interactive Multimedia Flash Based On Students Learning Outcomes. *National Seminar on Chemistry 2019 (SNK-19)*, 139-142.
  30. **Hidayah, R.**, Poedjiastoeti, S., Muchlis, M. (2018). Pemantapan Kompetensi Profesional Guru Kimia Di MGMP Kimia SMA Kabupaten Blitar Melalui Pelatihan Pembuatan Perangkat Pembelajaran Berbasis Inkuiri. *Jurnal ABDI: Media Pengabdian Kepada Masyarakat* 4 (1), 41-44.
  31. Wulandari, G.E., Sukarmin, S., and **Hidayah, R.** (2018). Development Of Anti Miskim Software To Reduce Misconception With Conceptual Change Text Strategy Students Of Class X In Chemical Bonding Material. *Seminar Nasional Kimia-National Seminar on Chemistry (SNK 2018)*, 218-222
  32. Nur, F.M., **Hidayah, R.** (2018). Development of Student Worksheet Based Guided Inquiry to Practice Scientific Literacy in Thermochemical Chapter of XI Grade in Senior High School. *Proceedings of the Seminar Nasional Kimia* 171, 147-150.
  33. Lutfi, A., Novita, D., and **Hidayah, R.** (2018). Build Ecopreneurship College Student Through Design Game As Learning Media of Chemistry On Media Lecture Game of Chemistry. *Seminar Nasional Kimia-National Seminar on Chemistry (SNK 2018)*, 234-238.
  34. Dwiningsih, K., Sukarmin, S., Muchlis, M., and **Hidayah, R.** (2018). Pembelajaran Kimia Anorganik Berbasis Web Lite Course. *Molucca Journal of Chemistry Education (MJoCE)* 8 (2), 94-102.
  35. **Hidayah, R.**, and Maharani, D.K. (2018). Pengembangan Buku Petunjuk Praktikum Kimia Anorganik yang Disertai dengan Material Safety Data Sheet. *J-PEK (Jurnal Pembelajaran Kimia)* 3 (1), 13-23.
  36. **Hidayah, R.**, and Anggraeni, L. (2018). The Effectiveness of Guided Inquiry-Based Students Practicum Worksheet to Promote Science Process Skills In Reaction Rate. *Proceedings of ICST 2018* 1, 11-13.
  37. **Hidayah, R.**, Lailiy, N. (2018). Guided inquiry model to promote science process skill students on acid-base. *Advances in Intelligent System*

*Research 157, 96-97.*

38. Maharani, D.K., **Hidayah, R.**, and Sugiarto, B. (2018). The Development of Experimental Guidance Book of Inorganic Chemistry with Material Safety Data Sheet. *International Journal of Education and Research* 6, 59
39. Lutfi, A., and **Hidayah, R.** (2018). Activating Student to Learn Chemistry using Chemmy Card 6-1 Game as an Instructional Medium in IUPAC Nomenclature of Inorganic Compounds. *Journal of Physics: Conference Series* 953 (1), 012198.
40. Yonata, B., and **Hidayah, R.** (2017). Implementation of Science Character Values with Green Chemistry Insight Integrated on Basic Chemistry Course by Using Project Based Learning. *Advanced Science Letters* 23 (12), 11943-11947
41. Maharani, D.K., **Hidayah, R.**, and Khasanah, L. (2017). Qualitative Study of Antibacterial Activity of Chitosan-ZnO/Al<sub>2</sub>O<sub>3</sub> Nanocomposites. *Advanced Science Letters* 23 (12), 11948-11951
42. **Hidayah, R.**, Suprianto, S., and Rahmawati, A. (2017). Permainan "Kimia Kotak Katik" sebagai Media Pembelajaran pada Materi Sistem Periodik Unsur. *JTK (Jurnal Tadris Kimiya)* 2 (1), 91-96.
43. **Hidayah, R.**, Sukarmin, S., and Lutfi, A. (2017). Pelatihan Penggunaan Laboratorium Virtual Sebagai Media Pembelajaran Kimia Bagi Guru di MGMP Kimia Kabupaten Banyuwangi. *Jurnal ABDI: Media Pengabdian Kepada Masyarakat* 2 (2), 87-90.
44. Lutfi, A., and **Hidayah, R.** (2017). Training Science Process Skills Using Virtual Laboratory On Learning Acid, Base, And Salt. *Journal of Chemistry Education Research* 1 (1), 49-54.
45. Imran, Y.A., Rosdiana, L., and **Hidayah, R.** (2016). Efektivitas Perangkat Pembelajaran Berorientasi Model Pembelajaran Learning Cycle 7E Pada Materi Suhu dan Perubahannya. *Jurnal Pendidikan Sains* 2 (2).

Activities in Specialist Bodies Over the Last 5 Years	Organization	Position	Period