

## STAFF HANDBOOK



<b>Name</b>	<b>Prof. Dr. Harun Nasrudin, M.S.</b>		
<b>Position</b>	<b>Lecturer in Chemistry Education</b>		
<b>Academic Career</b>	<b>Degree</b>	<b>University</b>	<b>Year</b>
	Bachelor Degree (Chemistry Education)	IKIP Surabaya	1984
	Master Degree (Physical Chemistry)	Universitas Gadjah Mada	1990
	Doctoral Degree (Science Education)	Universitas Negeri Surabaya	2016
<b>Employment</b>	<b>Position</b>	<b>Employer</b>	
	Professor	Universitas Negeri Surabaya – Indonesia	
<b>Research and Development Project Over the Last 5 Years</b>	<b>Title</b>	<b>Funder</b>	<b>Year</b>
	Pembelajaran Praktikum Kimia Dasar Berwawasan Green Chemistry Berbasis Bahan Sekitar untuk Menunjang Kegiatan Praktikum di Era Pandemi Covid 19	PNBP	2021
	Pelatihan Media Virtual Untuk Pembelajaran Daring sebagai Akibat Wabah Covid-19 Pada Guru Kimia Di Surabaya Raya <i>(Virtual Media Training for Online Learning as a result of the Covid-19 Outbreak in Chemistry Teachers in Greater Surabaya)</i>	PNBP FMIPA Unesa	2020
	Pelatihan Penyusunan Lembar Kerja Peserta Didik (LKPD) Berbasis Model-Model Pembelajaran Inovatif Untuk Meningkatkan Kompetensi Profesional Guru Kimia Kabupaten Sumenep <i>(Student Worksheet (LKPD) Based on Innovative Learning Models to Improve the Professional</i>	PNBP FMIPA Unesa	2019

	<i>Competence of Chemistry Teachers in Sumenep Regency)</i>		
	Pengabdian Kepada Masyarakat Guru MGMP Kimia Kediri Melalui Pelatihan Model Pembelajaran Berbasis Keterampilan Proses <i>(Community Service for Chemistry MGMP Teachers in Kediri through Training in Process Skills-Based Learning Models)</i>	PNBP FMIPA Unesa	2018
	Peningkatan Kompetensi Profesional Guru Kimia Di Kabupaten Blitar Melalui Pelatihan Integrasi Strategi <i>Conceptual Change</i> Dalam Model-Model Pembelajaran Inovatif <i>(Increasing the Professional Competence of Chemistry Teachers in Blitar Regency through Training on Integration of Conceptual Change Strategies in Innovative Learning Models)</i>	PNBP FMIPA Unesa	2017
	Pelatihan Model-model Pembelajaran Inovatif sebagai Upaya Peningkatan Kompetensi Guru Kimia di Banyuwangi <i>(Training on Innovative Learning Models as an Effort to Improve the Competence of Chemistry Teachers in Banyuwangi)</i>	PNBP FMIPA Unesa	2016
<b>Community Service Over The Last 5 Years</b>	<b>Title</b>	<b>Funder</b>	<b>Year</b>
	Pelatihan Keterampilan Argumentasi bagi Guru Kimia MGMP Sampang sebagai upaya Persiapan Keterampilan Abad 21	PNBP	2021
	Pelatihan Media Virtual Untuk Pembelajaran Daring sebagai Akibat Wabah Covid-19 Pada Guru Kimia Di Surabaya Raya <i>(Virtual Media Training for Online Learning as a result of the Covid-19 Outbreak in Chemistry Teachers in Greater Surabaya)</i>	PNBP Unesa	2020
	Pelatihan Penyusunan Lembar Kerja Peserta Didik (LKPD) Berbasis Model-Model Pembelajaran Inovatif Untuk Meningkatkan Kompetensi Profesional Guru Kimia Kabupaten Sumenep <i>(Student Worksheet (LKPD) Based on Innovative Learning Models to Improve the Professional</i>	PNBP Unesa	2019

	<i>Competence of Chemistry Teachers in Sumenep Regency)</i>		
	Pengabdian Kepada Masyarakat Guru MGMP Kimia Kediri Melalui Pelatihan Model Pembelajaran Berbasis Keterampilan Proses <i>(Community Service for Chemistry MGMP Teachers in Kediri through Training in Process Skills-Based Learning Models)</i>	PNBP Unesa	2018
	Peningkatan Kompetensi Profesional Guru Kimia Di Kabupaten Blitar Melalui Pelatihan Integrasi Strategi <i>Conceptual Change</i> Dalam Model-Model Pembelajaran Inovatif <i>(Increasing the Professional Competence of Chemistry Teachers in Blitar Regency through Training on Integration of Conceptual Change Strategies in Innovative Learning Models)</i>	PNBP Unesa	2017
	Pelatihan Model - model Pembelajaran Inovatif sebagai Upaya Peningkatan Kompetensi Guru Kimia di Banyuwangi <i>(Training on Innovative Learning Models as an Effort to Improve the Competence of Chemistry Teachers in Banyuwangi)</i>	PNBP Unesa	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>
	Student Worksheet Oriented Problem Solving Model In Acid Base Matter To Train Creative Thinking Skills (Bilingual)	EC00201941477	2019
	Instrumen Tes Pelacakan Konsepsi untuk Mencegah Miskonsepsi Mahasiswa dalam Perkuliahan Kimia Dasar <i>(Conception Tracking Test Instrument for Preventing Student Misconceptions in Basic Chemistry Lectures)</i>	C00201702815	2017
	Buku Asesmen <i>(Assessment Book)</i>	C00201602919	2016
	Buku Kimia Dasar <i>(Basic Chemistry Book)</i>	C00201602908	2016
	Buku Energetika <i>(Energetics Book)</i>	C00201603488	2016

**Important  
Publications  
Over the Last 5  
Years**

1. Saekawati, R., and **Nasrudin, H.** (2021). Effectiveness of Guided Inquiry-Based on Blended Learning in Improving Critical Thinking Skills. *Jurnal Penelitian Ilmu Pendidikan (JPIP)*, Vol. 14, No. 1, pp. 53-68 p-ISSN: 1979-9594.
2. Muhan, L. A., and **Nasrudin, H.** (2021). The Correlation Analysis between Critical Thinking Skills and Learning Outcomes through Implementation of Guided Inquiry Learning Models. *Jurnal Pendidikan Sains (JPS)*, Vol. 9, No. 1, pp. 33-41, p-ISSN: 2339-0786.
3. Suyono, **Nasrudin, H.**, and Yonata, B. (2020). Consistency and Relevance of Structured Lecture Materials in Physical Chemistry 3 Subjects. *Advances in Social Science, Education and Humanities Research*. Volume 390. ISBN: 978-94-6252-881-9. pp 188-194
4. **Nasrudin, H.**, and Azizah, U. (2020). Overcoming Misconception In Energetic Topics Through Implementation Of Metacognitive Skills-Based Instructional Materials: A Case Study in Student of Chemistry Department, Universitas Negeri Surabaya *Jurnal Pendidikan IPA Indonesia (Indonesian Journal of Science Education)*, Q2, SJR 2019: 0.45. Vol 9. No.1, March 2020.
5. Mubarokah, F. A., Tukiran, and **Nasrudin, H.** 2020. Validation of Learning Media Using Learning Cycle 9E Model. *International Journal of Innovative Science and Research Technology (IJISRT)*. Volume 5. Issue 6. June 2020 pp 185-188. ISSN: 2456-2165.
6. Nikmah, C., Tukiran, and **Nasrudin, H.** (2020). Improvement of Self Efficacy and Student Learning Outcomes Using Argument Driven Inquiry Learning Model. *Jurnal Pendidikan Sains. Sinta 3. Vol.8. No.2.* 2 October 2020. pp 133-138. ISSN print: 2339 – 0786; ISSN online 2502 – 1443.
7. Mubarokah, F. A., Tukiran, and **Nasrudin, H.** (2020). Improvement of Self-Efficacy and Student Learning Outcomes on Acid Base Material Using 9E Learning Cycle Model. *Advances in Engineering Research*. 2020. *Proceeding International Joint Conference on Science and Engineering (IJCSE)*, Volume 196. ISBN: 978-94-6239-276-2. ISSN: 2352-5401. Publication date 24 November 2020. pp 199-202.
8. Azizah, U., **Nasrudin, H.**, and Mitarlis. (2019). Metacognitive Skills: A Solution in Chemistry Problem Solving. *IOP onf. Series: Journal of Physics: Conference Series (JPCS)*, volume 1417, Number 1, (2019) 012084. doi:10.1088/1742-6596/1417/1/012084.
9. Azizah, U., **Nasrudin, H.**, and Rusmini. (2019). Problem-Solving based Teaching Materials: an Important Role in Enhancing Undergraduate Students Thinking Skills. *Atlantis Highlights in Chemistry and Pharmaceutical Science*. volume 1. ISSN: 2590-3195, ISBN: 978-94-6252-877-2.
10. Azizah, U., **Nasrudin, H.**, and Mitarlis. (2019). The Validity of Problem-Solving Based Teaching Materials for the Exploration of Conceptual Change and Metacognitive Skills. *Proceedings of the 7<sup>th</sup> Mathematics, Science, and Computer Science International Seminar, MSCEIS 2019, 12 October 2019*, Bandung, West Java, Indonesia. (European Union Digital Library/EUDL)
11. Ansori, T., Wasis, and **Nasrudin, H.** (2019). Development of Physics Learning Instrument with Model Project Based Learning to Train Students' Critical Thinking Skills. *International Journal of Multicultural and Multi religious Understanding (IJMMU)*, Vol. 6, No 5, October 2019, pp. 74 – 79. ISSN 2364-5369.

12. Nikmah, C., Tukiran, and **Nasrudin, H.** (2019). Validation of Learning Media Using Argument Driven Inquiry (ADI) Learning Model. *International Journal of Scientific and Research Publication (IJSRP)*, Volume 9, Issue 11, November 2019. pp. 97-101. ISSN 2250-3153.
13. Suyono, **Nasrudin, H.**, Yonata, B. (2019). Chemical Education Student Science Process Skills, in Specific and in General Content. *Atlantis Highlights in Chemistry and Pharmaceutical Science. Volume 1.* ISSN: 2590-3195, ISBN: 978-94-6252-877-2. pp 222-224.
14. Nikmah, C., Tukiran, and **Nasrudin, H.** (2019). Effectiveness of Learning Media Using Argument Driven Inquiry (ADI) Learning Model to Increase Students' Learning Outcomes and Self Efficacy. *Atlantis Highlights in Chemistry and Pharmaceutical Science. Volume 1.* ISSN: 2590-3195, ISBN: 978-94-6252-877-2. pp 106-108.
15. **Nasrudin, H.**, Azizah, U., and Yonata, B. (2018). Integrasi Strategi Conceptual Change dalam Model Pembelajaran Inovatif untuk Meningkatkan Kompetensi Profesional Guru Kimia Kabupaten Blitar (Conceptual Change Integration on innovative Learning Model to Enhance Blitar District Chemistry Teacher Professional Competence). *Jurnal Abdi, Vol 3 No 2 pp:57-62*
16. Yonata, B., and **Nasrudin, H.** (2018). Laboratory Activity Worksheet to Train High Order Thinking Skill of Student on Surface Chemistry Lecture. *Journal of Physic: Conf. Ser. 947 012027*
17. Azizah, U., and **Nasrudin, H.** (2018). Empowerment of Metacognitive Skills through Development of Instructional Materials on the Topic of Hydrolysis and Buffer Solutions. *IOP Conf. Series: Journal of Physics: Conference Series (JPCS), Vol. 953, doi:10.1088/1742-6596/953/1/012199*
18. Putri, P. D., Tukiran, and **Nasrudin, H.** (2018). The Effectiveness of Problem-Based Learning (PBL) Models Based on Socio-Scientific Issues (SSI) to Improve the Ability of Science Literacy on Climate Change Materials *Jurnal Penelitian Pendidikan Sains. JPPS, Vol. 7, No.2 p-ISSN: 2089-1776. e-ISSN: 2549-1597*
19. Putri, P. D., Tukiran, and **Nasrudin, H.** (2018). Validity of Knowledge Test to Improve The Ability of Science Literacy on Global Warming Material Based on Socio-Scientific Issues (SSI). *The Proceeding Book of the 8<sup>th</sup> Annual Basic Science International Conference, ISSN: 2338-0128, 6-7 March 2018.*
20. **Nasrudin, H.**, and Azizah, U. (2018). Shifting Patterns of Pre-Service Teachers' Conceptions on Material of Colligative Properties of Solutions. *Advances in Engineering Research, Atlantis Press, vol. 171, Publication date October 2018) (ISSN: 2352-5401, ISBN: 978-94-6252-591-7*
21. Virginia, O. A., Sanjaya, I. G. M., and **Nasrudin, H.** (2018). Learning Instrument of Guided Discovery Model to Increase Science Literacy on Hydrocarbon Learning Students. *Advances in Intelligent System Research (AISR), Atlantis Press, Vol. 157) (ISSN: 1951-6851, ISBN: 978-94-6251-601-3)*
22. Azizah, U., and **Nasrudin, H.** (2018). Development of chemistry instructional materials based on Cooperative Group Investigation (CGI) to Empower Thinking Skills. *IOP Conf. Series: Journal of Physics: Conf. Series 1108 (2018) 012122 doi:10.1088/1742-6596/1108/1/012122*
23. **Nasrudin, H.**, Azizah, U., and Muchlis. (2018). The Validity Of Textbook Based On Reading, Questioning And Answering (RQA) For Leading

- Students In Assessment Course At Chemistry Department UNESA. *Journal of Chemistry Education Research/JCER*, Vol 2, No 2 December 2018, pp. 45 – 48 ISSN: 2549-1644.
24. Titari, I., and **Nasrudin, H.** (2017). Keterlaksanaan Strategi Konflik Kognitif untuk Mereduksi Miskonsepsi Siswa Kelas XI SMA Negeri 1 Kertosono Pada Materi Laju Reaksi (Implementation of Cognitive Conflict Strategy to Reduce Students' Misconceptions on Reaction Rate Topic at Kertosono 1 Senior High School Grade XI MIA). *Unesa Journal of Chemical Education* Vol. 6, No. 2, pp. 144-149. ISSN: 2252-9454.
  25. Firdausichuuriyah C., and **Nasrudin, H.** (2017). Keterlaksanaan Penerapan Model Pembelajaran Inkuiri Terbimbing untuk Meningkatkan Keterampilan Berpikir Kritis Siswa Materi Larutan Elektrolit dan Non Elektrolit Kelas X SMAN 4 Sidoarjo (Implementation of Guidied Inquiry Learning to Increase Students' Critical Thinking Skill on Electrolyte and Non-Electrolyte Solutions at Sidoarjo 4 Senior High School Grade X). *Unesa Journal of Chemical Education* Vol. 6, No. 2, pp. 184-189. ISSN: 2252-9454.
  26. Erza, F., and **Nasrudin, H.** (2017). Capaian Keterlaksanaan Strategi Predict Discuss Explain Observe Discuss Explain (PDEODE) untuk Mereduksi Miskonsepsi Siswa pada Materi Keseimbangan Kimia Kelas XI SMAN 1 Krembung Sidoarjo (Implementation Achievement of Predict Discuss Explain Observe Discuss Explain (PDEODE) Strategy to Reduce Students' Misconceptions on Chemistry Equilibrium Topic at Krembung 1 Senior High School Grade XI, Sidoarjo). *Unesa Journal of Chemical Education* Vol. 6, No. 2, pp. 190-195, May 2017. ISSN: 2252-9454.
  27. Sholikha, M., and **Nasrudin, H.** (2017). Kevalidan Lembar Kegiatan Siswa Berbasis Problem Solving untuk Melatihkan Keterampilan Proses sains pada Materi Asam Basa (Validity of Problem Solving-Based Student Activity Sheets for Practicing Science Process Skills on Acid Base Materials). *Unesa Journal of Chemical Education* Vol. 6, No. 3, pp. 413-417, May 2017. ISSN: 2252-9454.
  28. Muchlis, Agustini, R., and **Nasrudin, H.** (2017). Pelatihan Penilaian Keterampilan Proses Sains Bagi Guru SMA Mapel Kimia Di Kabupaten Banyuwangi (Science Process Skills Assessment Training for Mapel Chemistry High School Teachers in Banyuwangi Regency). *Jurnal Abdi*, Vol 2 No 2 pp: 72-82.
  29. Khomaria, I. N., and **Nasrudin, H.** (2016). Penerapan Model Pembelajaran ECIRR untuk Mereduksi Miskonsepsi pada Materi Keseimbangan Kimia Kelas XI MIA di SMA Negeri 1 Pacet (Implementation of ECIRR Learning Model to Reduce Misconceptions on Chemical Equilibrium Topic at Pacet 1 Senior High School Grade XI MIA). *Unesa Journal of Chemical Education* Vol. 5, No. 1, pp. 98-106. ISSN: 2252-9454.
  30. Hikmah, A., and **Nasrudin, H.** (2016). Implementation of Guided Inquiry Learning Model to Practice Critical Thinking Skill on Chemical Equilibrium Material at SMA Negeri 1 Probolinggo. *Unesa Journal of Chemical Education* Vol. 5, No. 1, pp. 159-166. ISSN: 2252-9454.
  31. Rahmawati, D., and **Nasrudin, H.** (2016). Implementation of Problem Solving Learning Model to Train Critical Thinking Skills on Electrolyte and Non-electrolyte Solution Materials. At Grade SMAN 12 Surabaya. *Unesa Journal of Chemical Education* Vol. 5, No. 1, pp. 286-294. ISSN: 2252-9454.

32. Indriyani, S. H., and **Nasrudin, H.** (2016). Penerapan Model Pembelajaran Guided Inquiry untuk Meningkatkan Ketuntasan Hasil Belajar pada Materi Asam Basa di SMA Negeri 1 Sumenep. *Unesa Journal of Chemical Education Vol. 5, No. 3, pp. 571-579. ISSN: 2252-9454.*
33. Rachmawati, A., and **Nasrudin, H.** (2016). Development of Student Worksheet with Inquiry-Based to Train Students Critical Thinking Skill on Equilibrium Shift Matter Grade XI. *Unesa Journal of Chemical Education Vol. 5, No. 3, pp. 662-670. ISSN: 2252-9454.*
34. Azizah, U., and **Nasrudin, H.** (2016). Pemberdayaan Keterampilan Berpikir Mahasiswa Melalui Pengembangan Perangkat Perkuliahan Kimia Dasar Berbasis Metakognitif (Empowerment of student's thinking skills through development instructional materials basic chemistry based metacognitive. *Prosiding Seminar Nasional Kimia dan Pembelajarannya.* ISBN: 978-602-0951-12-6. 17 September 2016.
35. Azizah, U., and **Nasrudin, H.** (2016). Instrumen Tes Pelacakan Konsepsi untuk Mencegah Miskonsepsi Mahasiswa dalam Perkuliahan Kimia Dasar (Conception Tracking Test Instrument to Prevent Student Misconceptions in Basic Chemistry Lectures). *Prosiding Seminar Nasional Hasil Penelitian dan Pengabdian Kepada Masyarakat 2016 (SEMNAS PPM 2016).* ISBN: 978-602-0951-05-8. 27 November 2016.

Activities in Specialist Bodies Over the Last 5 Years	Organization Role	Position	Period
	Perkumpulan Pendidik IPA Indonesia (PPII)	Member	2017-Now