



Dr. Harun Nasrudin, M.S.

Position	Chemistry Education Lecturer			
	Lecturer on Chemistry Education			
Academic Career	Degree	University		Year
	Bachelor Degree (Chemistry Education)	IKIP Surabaya		1984
	Master Degree (Physical Chemistry)	Universitas Gadjah Mada		1990
	Doctoral Degree (Natural Sciences Education)	Universitas Negeri Surabaya		2016
Employment	Position	Employer		Period
	Associate Professor	Universitas Negeri Surabaya – Indonesia		
Research and Development Projects Over The Last 5 Years	Title	Year	Partner/Funder	Amount of Financing
	Pengembangan Panduan Praktikum Kimia Fisika IV Berbasis Inkuiri untuk Melatih Keterampilan Berpikir Tingkat Tinggi Mahasiswa <i>(Development of Inquiry-Based Physics Chemistry IV Practicum</i>	2016	BOPTN	Rp. 10.000.000,00

	<i>Guide Based to Train Students' Higher Order Thinking Skills)</i>			
	Pengembangan Perangkat Perkuliahan Kimia Dasar Berbasis Metakognitif Untuk Membangun Kemandirian Belajar dan Memprevensi Miskonsepsi Mahasiswa ( <i>Development of Basic Chemistry Learning Tools based on Metacognitive for Building Learning Independence and Preventing Student Misconceptions</i> )	2016	Penelitian Hibah Bersaing	Rp. 50.000.000,00
	Pengembangan Buku Ajar Kimia Zat Padat Berbasis Artikel Ilmiah dan Buku Referensi dalam Rangka Penerapan Kurikulum KKNI ( <i>Development of Solid State Chemistry Textbooks Based on Scientific Articles and Reference Books for Implementing the INQF Curriculum</i> )	2017	Penelitian Kebijakan FMIPA Unesa	
	Pengembangan Perangkat Perkuliahan Kimia Dasar Berbasis Metakognitif Untuk Membangun Kemandirian Belajar dan Memprevensi Miskonsepsi Mahasiswa ( <i>Development of Basic Chemistry Learning Tools based on Metacognitive for Building</i>	2017	Penelitian Produk Terapan Lanjutan	Rp. 55.321.000,00

	<i>Learning Independence and Preventing Student Misconceptions)</i>			
	Pemberdayaan Kemampuan Berpikir Mahasiswa Unggulan Melalui Pengembangan Buku Ajar Asesmen Berbasis Pembelajaran Reading, Questioning, and Answering(RQA) <i>(Empowerment of Excel Students' Thinking Ability Through the Development of Assessment Textbooks Based on Reading, Questioning, and Answering (RQA) Learning)</i>	2018	Penelitian Dana PNBPFMIPA Unesa	Rp. 10.000.000,00
	Pengembangan Bahan Ajar Kimia Dasar I Berbasis Problem Solving secara Blended Learning dalam Upaya Meningkatkan Keterampilan Berpikir Mahasiswa <i>(Development of Basic Chemistry I Teaching Materials Based on Problem Solving by Blended Learning as Effort to Improve Students' Thinking Skills)</i>	2018	Penelitian Dana PNBPFMIPA Unesa	Rp. 10.000.000,00
	Pengembangan Perangkat Pembelajaran Berbasis Blended Learning pada Materi Struktural Kristal <i>(Development of Learning Tools Based on Blended Learning for</i>	2018	Penelitian Dana PNBPFMIPA Unesa	

	<i>Crystal Structure Material Topic)</i>			
	Eksplorasi Perubahan Konseptual dan Keterampilan Metakognitif dalam Pembelajaran Berbasis Problem-Solving pada Mahasiswa Kimia <i>(Exploration of Conceptual Changes and Metacognitive Skills in Problem-Solving-Based Learning Chemistry Students)</i>	2019	Penelitian Dasar, Dana PNBP Melalui LPPM	Rp. 40.000.000,00
	Pengembangan Bahan Kuliah Terstruktur pada Mata Kuliah Kimia Fisika 3 Untuk Memfasilitasi Keterampilan Proses Sains, Berargumentasi, dan Pemecahan Masalah <i>(Development of Structured Lecture Material in Physical Chemistry 3 Course to Facilitate Science Process Skill, Argumentation, and Problem Solving)</i>	2019	Penelitian Guru Besar, Dana PNBP Melalui LPPM	Rp. 40.000.000,00
Upaya Peningkatan Keterampilan Berpikir Mahasiswa Melalui Implementasi Bahan Ajar Kimia Dasar I Berbasis Problem Solving secara Blended Learning <i>(Efforts to Improve Students' Thinking Skills Through the Implementation of Basic Chemistry I Material Based on Problem</i>	2019	PNBP Melalui FMIPA	Rp. 10.000.000,00	

	<i>Solving Based on Blended Learning)</i>			
<b>Industry Collaborations Over The Last 5 Years</b>				
<b>Patents and Proprietary Rights</b>	<b>Title</b>	<b>Patent ID</b>		<b>Year</b>
	Buku Asesmen <i>(Assessment Book)</i>	Copyright Registration Number: 082604		2016
	Buku Kimia Dasar <i>(Basic Chemistry Book)</i>	Copyright Registration Number: 083838		2016
	Buku Energetika <i>(Energetics Book)</i>	Copyright Registration Number: 082938		2016
	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>	Copyright Registration Number: 088012		2017
<b>Important Publication Over The Last 5 Years</b>	<ol style="list-style-type: none"> <li>1. Y. Sugiarti and <b>Harun Nasrudin</b>. 2015. Penerapan Model Pembelajaran Predict Discuss Explain Observe Discuss Explain (PDEODE) Terbimbing untuk Mereduksi Miskonsepsi Siswa pada Materi Laju Reaksi SMA Negeri 1 Sumber Rejo Bojonegoro (Implementation of Guided Predict Discuss Explain Observe Discuss Explain (PDEODE) Learning Model to Reduce Students' Misconceptions on Reaction Rate Topic at Sumber Rejo 1 Senior High School Bojonegoro). <i>Unesa Journal of Chemical Education Vol. 4, No. 1, pp. 18-26, Januari 2015. ISSN: 2252-9454.</i></li> <li>2. D. M. Rohmah and <b>Harun Nasrudin</b>. 2015. Implementasi Model Pembelajaran Kooperatif Tipe Numbered Heads Together (NHT) untuk Melatihkan Keterampilan Berpikir Kritis Siswa pada Materi Stoikiometri di SMAN 3 Lamongan (Implementation of Numbered Heads Together (NHT) Type</li> </ol>			

Cooperative Learning Model to Practice Students' Critical Thinking Skills on Stoichiometry Topic at Lamongan 3 Senior High School). *Unesa Journal of Chemical Education Vol. 4, No. 2, pp. 218-223. ISSN: 2252-9454.*

3. M. W. Sari and **Harun Nasrudin**. 2015. Penerapan Model Pembelajaran Conceptual Change untuk Mereduksi Miskonsepsi Siswa pada Materi Ikatan Kimia Kelas X SMA Negeri 4 Sidoarjo (Implementation of Conceptual Change Learning Model to Reduce Students' Misconceptions in Chemistry Bonds Topic at Sidoarjo 4 Senior High School Grade X). *Unesa Journal of Chemical Education Vol. 4, No. 2, pp. 315-324. ISSN: 2252-9454.*
4. N. Imama and **Harun Nasrudin**. 2015. Penerapan Model Pembelajaran Inkuiri untuk Melatihkan Keterampilan Berpikir Kritis Siswa pada Materi Laju Reaksi di Kelas XI SMAN 1 Sreseh Sampang (Implementation of Inquiry Learning Model to Practice Students' Critical Thinking Skills on Reaction Rate Material in Grade XI of Sreseh 1 Senior High School Sampang). *Unesa Journal of Chemical Education Vol. 4, No. 2, pp. 212-217. ISSN: 2252-9454.*
5. A. N. Hidayah and **Harun Nasrudin**. 2015. Development of Student Worksheet with Scientific Approach Oriented to Practice Problem-Solving Skill on Reaction Rate Topic. *Unesa Journal of Chemical Education, Vol 4 No 3.*
6. I. N. Khomaria and **Harun Nasrudin**. 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.*
7. A. Hikmah and **Harun Nasrudin**. 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.*
8. D. Rahmawati and **Harun Nasrudin**. 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.*
9. S. H. Indriyani and **Harun Nasrudin**. 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.*
10. A. Rachmawati and **Harun Nasrudin**. 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.*

11. I Titari and **Harun Nasrudin**. 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.*
12. C. Firdausichuuriah and **Harun Nasrudin**. 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.*
13. F. Erza and **Harun Nasrudin**. 2017. Capaian Keterlaksanaan Strategi Predict Discuss Explain Observe Discuss Explain (PDEODE) untuk Mereduksi Miskonsepsi Siswa pada Materi Kesetimbangan 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.*
14. M. Sholikha and **Harun Nasrudin**. 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.*
15. Muchlis, R Agustini and **Harun Nasrudin**. 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.*
16. **Harun Nasrudin**, U. Azizah and B. Yonata. 2018. Integrasi Strategi Conceptual Change dalam Model Pembelajaran Inovatif untuk Meningkatkan Kompetensi Profesional Guru Kimia Kabupaten Blitar (Conceptual Chang Integration on innovative Learning Model to Enhance Blitar District Chemistry Teacher Professional Competence). *Jurnal Abdi, Vol 3 No 2 pp:57-62*
17. B. Yonata and **Harun Nasrudin**. 2018. Laboratory Activity Worksheet to Train High Order Thinking Skill of Student on Surface Chemistry Lecture. *Journal of Physic: Conf. Ser. 947 012027*
18. U. Azizah and **Harun Nasrudin**. 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
19. P. D. Putri, Tukiran and **Harun Nasrudin**. 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
20. **Harun Nasrudin** and U. Azizah. 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. O. A. Virginia, I G. M. Sanjaya and **Harun Nasrudin**. 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. U. Azizah and **Harun Nasrudin**. 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. **Harun Nasrudin**, U. Azizah 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.

Activities in Special Institution	Organization Role	Position	Period
	Perkumpulan Pendidik IPA Indonesia (PPII)	Member	2017-Now