



Dr. Harun Nasrudin, M.S.

Position	Chemistry Education Lecturer			
	Lecturer in Chemistry Education			
Academic Career	Degree	University	Year	
	Bachelor Degree (Chemistry Education)	IKIP Surabaya	1984	
	Master Degree (Physical Chemistry)	Universitas Gadjah Mada	1990	
	Doctoral Degree (Science 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	Rp. 10.000.000,00
	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	Rp. 10.000.000,00

	<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>			
	Pengembangan Sumber Belajar Digital Sebagai Sarana Memotivasi Perkuliahan Kimia Fisika Selama Masa <i>Study From Home</i> (SFH) (<i>Development of Digital Learning Resources as a Means to Motivate Physical Chemistry Lectures During the Study From Home (SFH) Period</i>)	2020	PNBP Melalui FMIPA	
	Kemampuan Argumentasi Mahasiswa Kimia Dalam Menilai Fenomena Viral Dari Jejaring Sosial (<i>The Argumentation Ability of Chemistry Students in Assessing Viral Phenomenon Of Social Networking</i>)	2020	Penelitian Guru Besar, Dana PNBP Melalui LPPM	
Community Service Over The Last 5 Years	Title	Year	Partner/Funder	Amount of Financing (million)
	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>)	2016	PKM Dana PNBP FMIPA Unesa	Rp. 7.500.000,00
	Peningkatan Kompetensi Profesional Guru Kimia Di Kabupaten Blitar Melalui Pelatihan Integrasi Strategi <i>Conceptual</i>	2017	PKM Dana PNBP FMIPA Unesa	Rp. 7.500.000,00

	<i>Change Dalam Model-Model Pembelajaran Inovatif (Increasing the Professional Competence of Chemistry Teachers in Blitar Regency through Training on Integration of Conceptual Change Strategies in Innovative Learning Models)</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>)	2018	PKM Dana PNB FMIPA Unesa	Rp. 7.500.000,00
	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 Competence of Chemistry Teachers in Sumenep Regency</i>)	2019	PKM Dana PNB FMIPA Unesa	Rp. 7.500.000,00
	Pelatihan Media Virtual Untuk Pembelajaran Daring sebagai Akibat Wabah Covid-19 Pada Guru	2020	PKM Dana PNB FMIPA Unesa	

	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>)			
Industry Collaborations Over The Last 5 Years				
Patents and Proprietary Rights	Title	Patent ID	Year	
	Buku Asesmen (<i>Assessment Book</i>)	Copyright Registration Number: C00201602919	2016	
	Buku Kimia Dasar (<i>Basic Chemistry Book</i>)	Copyright Registration Number: C00201602908	2016	
	Buku Energetika (<i>Energetics Book</i>)	Copyright Registration Number: C00201603488	2016	
	Instrumen Tes Pelacakan Konsepsi untuk Memprevensi Miskonsepsi Mahasiswa dalam Perkuliahan Kimia Dasar (<i>Conception Tracking Test Instrument for Preventing Student Misconceptions in Basic Chemistry Lectures</i>)	Copyright Registration Number: C00201702815	2017	
	Student Worksheet Oriented Problem Solving Model In Acid Base Matter To Train Creative Thinking Skills (Bilingual)	Copyright Registration Number: EC00201941477	2019	

**Important
Publication Over
The Last 5 Years**

1. Y. Sugiarti and **Harun Nasrudin**. 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). *Unesa Journal of Chemical Education Vol. 4, No. 1, pp. 18-26, Januari 2015. ISSN: 2252-9454.*
2. D. M. Rohmah and **Harun Nasrudin**. 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 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 Kesetimbangan 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. Utia Azizah and **Harun Nasrudin**. 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.
12. Utia Azizah and **Harun Nasrudin**. 2016. Instrumen Tes Pelacakan Konsepsi untuk Memprevensi 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 Nopember 2016
13. 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.*
14. C. Firdausichuuriyah 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.*
15. F. Erza and **Harun Nasrudin**. 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.*

16. 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.*
17. 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.*
18. **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 Change
19. Integration on innovative Learning Model to Enhance Blitar District Chemistry Teacher Professional Competence). *Jurnal Abdi, Vol 3 No 2 pp:57-62*
20. 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*
21. 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*
22. 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*
23. Pungky Dilaka Putri, Tukiran, and **Harun Nasrudin**. 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 8th Annual Basic Science International Conference, ISSN: 2338-0128, 6-7 March 2018.*
24. **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
25. 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)
 26. 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*
 27. **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.
 28. Utiya Azizah, **Harun Nasrudin** 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.
 29. Utiya Azizah, **Harun Nasrudin** 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.*
 30. Utiya Azizah, **Harun Nasrudin** and Mitarlis. 2019. The Validity of Problem-Solving Based Teaching Materials for the Exploration of Conceptual Change and Metacognitive Skills. *Proceedings of the 7th Mathematics, Science, and Computer Science International Seminar, MSCEIS 2019, 12 October 2019, Bandung, West Java, Indonesia. (European Union Digital Library/EUDL)*
 31. Taufiq Ansori, Wasis, and **Harun Nasrudin**. 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.
 32. Choirun Nikmah, Tukiran, and **Harun Nasrudin**. 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.
 33. Suyono, **Harun Nasrudin**, Bertha Yonata. 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. Publication date 31 December 2019. pp 222-224.*

34. Choirun Nikmah, Tukiran, and **Harun Nasrudin**. 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. Publication date 31 December 2019. pp 106-108.
35. Suyono, Harun Nasrudin, and Bertha Yonata. 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. Publication date January 2020. pp 188-194
36. **Harun Nasrudin** and Utiya Azizah. 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.
37. Fitroh Annisaul Mubarakah, Tukiran, and **Harun Nasrudin**. 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.
38. Choirun Nikmah, Tukiran, and **Harun Nasrudin**. 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.
39. Fitroh Annisaul Mubarakah, Tukiran, and **Harun Nasrudin**. 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.

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