



Prof. Dr. Leny Yuanita, M.Kes.

Position	Biochemistry Lecturer			
	Professor in Biochemistry and Food Chemistry			
Academic Career	Degree	University	Year	
	Bachelor Degree (Chemistry Education)	IKIP Malang	1970-1975	
	Master Degree (Biochemistry/Basic Medical Science)	UNAIR- Surabaya	1991-1994	
	Doctoral Degree (Chemistry)	UNAIR-Surabaya	1998-2003	
Employment	Position	Employer	Period	
	Professor	Universitas Negeri Surabaya – Indonesia		
Research and Development Projects Over The Last 5 Years	Title	Year	Partner/Funder	Amount of Financing
	FOS Umbi Yacon [<i>Smallanthus sonchifolia</i> (Poepp.et Endl.) H.Robinson] sebagai Prebiotik dan Sinbiotik untuk Menghambat Pertumbuhan Bakteri Patogen - Thn I	2015	Head Researcher-PUPT-IDB	
	FOS Umbi Yacon [<i>Smallanthus</i>	2016	Head	

	<i>sonchifolia</i> (Poepp.et Endl.) H.Robinson] sebagai Prebiotik dan Sinbiotik untuk Menghambat Pertumbuhan Bakteri Patogen - Thn II		Researcher-PUPT-IDB	
	Mempertahankan Kadar Komponen Bioasktif Umbi Yacon [<i>Smallanthus sonchifolia</i> (Poepp.et Endl.) H.Robinson] Melalui Variasi Ketinggian Daerah Tanam dan waktu Panen Serta Inhibitor Alami	2018	Head Researcher-DIPA Unesa-Pasca	
	Penggunaan Karagenan- <i>Locust Bean Gum</i> pada Enkapsulasi Komponen Bioaktif Ekstrak Umbi Yacon [<i>Smallanthus Sonchifolia</i>]	2019	Head Researcher -DIPA Unesa- Penelitian Guru Besar	
	Meningkatkan Imunitas Seluler dan Humoral Melalui Penggunaan Inhibitor Alami pada Sirup Prebiotik Yacon (<i>Smallanthus sonchifolia</i>): Upaya Menghadapi Covid-19.	2020	Kebijakan Strategis Unesa-PNBP	
	Pengembangan Ekstrak dan Sirup Yacon [<i>Smallanthus sonchifolia</i> (Poepp.et Endl.) H.Robinson] untuk Kesehatan dan Kebugaran Atlit	2020	Pen Pusat Unggulan Iptek Unesa- PNBP	
Community Service Over The Last 5 Years	Title	Year	Partner/Funder	Amount of Financing (million)
	Budidaya dan Pemanfaatan Tanaman Yacon (<i>Smallanthus</i>	2016	Kemenristek Dikti	

	<i>sonchifolius</i>) Untuk meningkatkan Potensi alam dan Pemberdayaan Masyarakat Desa argosari, Kecamatan Senduro, Kabupaten Lumajang		KKNPPM	
	Pembuatan Produk Olahan yacon Sebagai Upaya Peningkatan kesejahteraan Masyarakat Kecamatan Senduro, Kabupaten Lumajang	2017	Kemenristek Dikti KKNPPM	
	Pengembangan Strategi pemasaran/marketing Umbui Yacon dan Cocktail Yacon Menuju Produk Unggulan Kota Lumajang	2018	DIPA Unesa-Offline	
	Pembuatan <i>Cocktail</i> Dan Pembudidayaan Yacon Sebagai Upaya Peningkatan Kesejahteraan Masyarakatkecamatan Plaosan Kabupaten Magetan	2019	DIPA Unesa-PNBP	
	Sirup Prebiotik Yacon untuk Meningkatkan Daya Tahan Tubuh dalam Menhadapi Covid-19	2020	Unesa- PNBP	
	Mengurangi Dampak EkonomiMasyarakat pada Masa Pandemi Covid-19 Melalui Bantuan Makanan Pokok	2020	Unesa-PNBP	
	Pelatihan Pembuatan Sari Kedelai Dharna Wanita FMIPA- Unesa	2020	Kebijakan Unesa-PNBP	
	Industry			

Collaborations Over The Last 5 Years			
Patents and Proprietary Rights	Title	Patent ID	Year
	Karbohidrat Dan Metabolisme	000127014	14 September 2017, di Surabaya Nomor dan tanggal permohonan EC00201857357, 5 Desember 2018
	Critical Inquiry Based Learning: Model Pembelajaran Untuk Meningkatkan Kemampuan Berpikir Kritis	000126871	16 Mei 2017, di Mataram Nomor dan tanggal permohonan : EC00201857139, 4 Desember 2018
	Buku Ajar Mahasiswa Mekanikan Fluida.	000126858	16 Mei 2017, di Mataram Nomor dan tanggal permohonan : EC00201857138, 4 Desember 2018
	Perangkat Pembelajaran Pendukung Model Critical Inquiry Based Learning (Cibl).	000127125	16 Mei 2017, di Mataram Nomor dan tanggal permohonan : EC00201857140, 4 Desember 2018
	Biokimia I: Struktur dan Fungsi	000143089	EC00201941495, 28 Mei 2019
	Modul Conceptual Change (Mcc) Berbasis Model Mental Pada Konsep Konfigurasi Elektron	000150431	EC00201950807, 15 Agustus 2019
	Modul Conceptual Change (Mcc) Berbasis Model Mental Pada Konsep Orbital	000150433	EC00201950812, 15 Agustus 2019
	Modul Conceptual Change (Mcc)	000150434	EC00201950808, 15 Agustus 2019

	Berbasis Model Mental Pada Konsep Tingkat Energi Elektron		
	Model CRBL untuk Meningkatkan Keterampilan proses Sains, Tanggung Jawab dan kreativitas ilmiah Mahasiswa	000151356	EC00201952116, 26 Agustus 2019
	Model Scientific Critical Thinking (SCT) Untuk Melatihkan Keterampilan Berpikir Kritis Dan Self Efficacy Mahasiswa Calon Guru Kimia	000165101	EC00201982934, 20 November 2019
	Creative Responsibility Based Learning: Kreatif Pendidiknya, Dahsyat Peserta Didiknya	000178587	EC00202005184, 6 Februari 2020
	Fisika Dasar Listrik dan Magnet . Creative Responsibility Based Learning	000188572	EC00202016332, 28 Mei 2020
	HKI: Sertifikat Merk Dagang Cocktail Yacon	IDM000715728	5 Desember 2018- 5 Desember 2028
	Important Publication Over The Last 5 Years	<ol style="list-style-type: none"> 1. PR Wikandari, L Yuanita. 2016. Pengaruh Degradasi Enzim Proteolitik terhadap Aktivitas Angiotensin Converting Enzyme Inhibitors Bekasam dengan Lactobacillusplantarum B1765 . Agritech- UGM, Vol 36 No 2 2. Binar Kurnia Prahani, WW Soegimin, Leny Yuanita. 2017. Effectiveness Of Physics Learning Material Through Guided Inquiry Model To Improve Student's Problem Solving Skills Based On Multiple Representation. International Journal of Education and Research, Vol. 4, No. 12 3. BK Prahani, M Nur, L Yuanita, dan I Limatahu. 2016. Validity of Group Science Learning Model: An Innovative Learning in Indonesia. <i>Vidha Karya.FKIP UNLAM. Vol 2, No.1.</i> 4. <i>Tri Santoso dan Leny Yuanita</i>. 2016. Pengembangan Bertanya Kritis Berbasis Inkuiri (BKBI) untuk Pembelajaran Kimia. Jurnal Pendidikan Sains, Vol 4, No 1, hal. 9-16 	

5. S Suyidno, M Nur, **L Yuanita**. 2016. Developing Worksheets Based on Scientific Creativity in Fundamental Physics Course. The 2nd International Seminar on Science Education. Graduate School. Yogyakarta State University, Vol 2.
6. **L Yuanita, et al.** 2016. Potential Of *Lactobacillus Plantarum* B1765 To Derive An Antihypertensive Effect And Improving The Product Quality Of *Bekasam*. AGRITECH, Vol. 36, No. 2
7. **L Yuanita, et al.**, 2016. Innovative Science Learning: Improve Students' Collaborative Problem Solving Skills And Self-Confidence. International Journal Of Environmental & Science Education, P 3406-3420
8. **L Yuanita, et al.**. 2017. The Role of FOS-Inulin of Yacon Tubers [*Smallanthus sonchifolia* (Poepp. et Endl.) H. Robinson] on the Binding of Bile Acids and Bile Salt Hydrolase Activities: Boiling Time Variation. Advanced Science Letters, Vol. 23, 11982–11985
9. T Santoso and L Yuanita. 2017. Metacognitive Analysis of Pre-Service Teachers of Chemistry in Posting Questions. The 3rd International Conference on Mathematics, Science and Education. IOP Conf. Series: Journal of Physics: Conf. Series 824 (2017) 012026
10. Suyidno Suyidno, Leny Yuanita, Mohamad Nur, and Kurnia Binar. 2017. Validity of Creative Responsibility Based Learning: An Innovative Physics Learning to Prepare the Generation of Creative and Responsibility. *IOSR Journal of Research & Method in Education (IOSR-JRME) e-ISSN: 2320-7388, p-ISSN: 2320-737X Volume 7, Issue 1 Ver. II (Jan. - Feb. 2017), PP 56-61*
11. Mr Suyidno, Dewi Dewantara, Mohamad Nur, Leny Yuanita. 2017. Maximizing Students' Scientific Process Skill within Creative Product Design: Creative Responsibility Based Learning. Advances in Social Science, Education and Humanities Research, volume 100. 5th South East Asia Development Research (SEA-DR) International Conference
12. S Prayogi, L Yuanita and Wasis. 2018. Critical Inquiry Based Learning: A Model of Learning to Promote Critical Thinking Among Prospective Teachers of Physic. Journal of TURKISH SCIENCE EDUCATION Volume 15, Issue 1, pp.43-56
13. Suyidno Suyidno, L Yuanita, M Nur, and Binar Kurnia P. 2018. Effectiveness Of Creative Responsibility Based Teaching (Crbt) Model On Basic Physics Learning To Increase Student's Scientific Creativity And Responsibility. Journal of Baltic Science Education, Vol. 17, No. 1, 2018 ISSN 1648-3898 /Print/ ISSN 2538-7138 /Online/ Pp. 136-151
14. T Santoso, L Yuanita and E Erman. 2017. The role of student's critical asking question in developing student's critical thinking skills. The 2nd International Joint Conference on Science and Technology (IJCST) 2017. IOP Conf. Series: Journal of Physics: Conf. Series 953 (2018) 012042 doi :10.1088/1742-

- 6596/953/1/012042
15. S Prayogi, L Yuanita and Wasis.2018. Critical-Inquiry-Based-Learning: Model of Learning to Promote Critical Thinking Ability of Pre-service Teachers. MISEIC IOP Publishing IOP Conf. Series: Journal of Physics: Conf. Series 947 (2018) 012013 doi :10.1088/1742-6596/947/1/012013
 16. R. P. Puspitawati, L. Yuanita, Y. S. Rahayu, S. Indana, E. Susiyawati.2018. Two Problem Solving Cycles To Achieve Learning Outcomes Of Thinking Skills And Plant Anatomy Concept Mastery. JPPII 7 (3) (2018) 312-321Jurnal Pendidikan IPA Indonesia, ISSN :2339-1286, ISSN online :2089-4392
 17. Rinie Pratiwi Puspitawati, Lenny Yuanita, Yuni Sri Rahayu .2018. The Innovative Problem Solving Strategy As The Model Of Teaching Problem Solving. Studies in Comparative Education Journal, ISSN (Paper) 2306-5532, ISSN (Online) 2312-1904
 18. L Yuanita, P R Wikandari, Isnawati, W B Sabtiawan and D A P Sari. 2018. The Effect of Yacon Tubers as Prebiotics and Sinbiotics against Salmonella typhimurium IFO 12529 on Rattus norvegicus. MISEIC 2018 IOP Publishing IOP Conf. Series: Journal of Physics: Conf. Series 1108 (2018) 012092 doi :10.1088/1742-6596/1108/1/012092
 19. Leny Yuanita, P. R. Wikandari, Isnawati, Wahyu Budi Sabtiawan. 2018. The Effect Of Storage And Boiling Time Of Yacon Tubers To Scfa And Lactic Acid Concentration By Bifidobacteriumlongum Reuter Atcc 15707 And Lactobacillus Acidophilus Ifo 13951. Rasayan J. Chem., 11(4), 1635-1642(2018). Vol. 11 | No. 4 |1635 - 1642| October - December | 2018. ISSN: 0974-1496 | e-ISSN: 0976-0083 | CODEN: RJCABP
 20. Atiek Winarti, Leny Yuanita, Moh. Nur.2019. The Effectiveness of multiple Intelligences based Teaching Strategy in Enhancing The Multiple Inteeigences and Science Process Skills of Junior High school Students. *Journal of Technology and science Education*. JOTSE, 2019-9(2): 122-135- Online ISSN: 2013-6374-Print ISSN: 2014-5349
 21. Rusmansyah, Leny Yuanita, Muslimin Ibrahim, Isnawati, Binar Kurnia Prahani. 2019. Innovative Chemistry learning model: Improving the Critical Thinking Skill and Self-efficacy of Pre-service Chemistry Teachers. *Journal of Technolpgy and Science Education JOTSE* 2019, Vol 9 No1
 22. WB Sabtiawan, L Yuanita, YS Rahayu. 2019. Effectiveness of Authentic Assessment: Performances, Attitudes, and Prohibitive Factors. *Journal of TURKISH SCIENCE EDUCATION*, Volume 16, Issue 2, June 2019

- 23. L Yuantita, P R Wikandari, W B Sabtiawan, and D A P Sari. 2019. Chlorogenic Acid Yacon Tubers [Smallanthus Sonchifolia (Poepp. Et Endl.) H.Robinson] on the Use of Natural Inhibitors and Storage Temperature Variations. Atlantis Press.
- 24. Fructooligosacharides of Yacon Tubers (Smallanthus Sonchifolia) on Variation in Height of Planting Area, Harvest Time and Storage with Natural Inhibitors. Atlantis Press. Proceedings of the International Joint Conference on Science and Engineering (IJCSE, 2020.)
- 25. The Correlation of Scientific Knowledge-Science Process Skills and Scientific Creativity Responsibility Based Learning. International Journal of Instruction July 2020 vol 13 No 3

Activities in Special Institution	Organization Role	Position	Period