

Name	Chomsin Sulistya Widodo, Ph.D		
Position	Associate Professor		
Scopus ID	55587976000		
Link google scholar	https://scholar.google.com/citations?hl=en&user=GS_y3KUAAAAJ		
Academic Career	Doctoral Degree	University	Year
	Physics	Kumamoto University, Japan	2012
	Master degree	University	Year
	Physics	Universitas Gadjah Mada	2000
	Undergraduate degree	University	Year
	Physics	Universitas Brawijaya	1995
Employment	Position	Employer	Period
	Lecturer	FMIPA	1995
Research and development projects over the last 5 years	Name of project or research focus	Funding Sources/amount of financing (in million rupiah)	Period
	Analisis Digital Citra Chest X-Rays untuk Klasifikasi Pneumonia dan Covid-19: Upaya Menuju Deteksi Dini Pasien dengan Covid-19	Ristekbrin / 370	2020
	Analisis T1 dan T2 pada Organ Hasil Citra MRI menggunakan Kontras Agen GADOLINIUM	PNBP UB / 50	2020
	Evaluasi Eksperimental Mekanisme Kerusakan Jaringan Sel Akibat Terkontaminasi Zat Beracun dan Paparan Radiasi Menggunakan Parameter Dispersi Impedansi Kelistrikannya	RISTEKDIKTI / 130	2020
	Studi Impedansi Biolistrik Medium Sel Kanker dan Medium Sel Berpotensi Anti Kanker	RISTEKDIKTI / 225.8	2019
	Evaluasi Eksperimental Mekanisme Kerusakan Jaringan Sel Akibat Terkontaminasi Zat Beracun dan Paparan Radiasi Menggunakan Parameter Dispersi Impedansi Kelistrikannya	RISTEKDIKTI / 130	2019

	Studi Impedansi Biolistrik Medium Sel Kanker dan Medium Sel Berpotensi Anti Kanker	RISTEKDIKTI / 130	2018
	Evaluasi Eksperimental Mekanisme Kerusakan Jaringan Sel Akibat Terkontaminasi Zat Beracun dan Paparan Radiasi Menggunakan Parameter Dispersi Impedansi Kelistrikannya	RISTEKDIKTI / 130	2018
	Pengembangan Jaringan Real-Time MultiSource Energy Meterring untuk Mendukung Ketahanan Energi Berbasis Sistem Tertanam	RISTEKDIKTI / 172	2018
	Identifikasi Keberadaan Radikal Bebas pada Organ dari Mencit yang Terpapar Obat Nyamuk One Push Aerosol	DPP-SPP / 11	2018
	Studi Impedansi Biolistrik Medium Sel Kanker dan Medium Sel Berpotensi Anti Kanker	RISTEKDIKTI / 243.27	2017
	Pengembangan Jaringan Real-Time MultiSource Energy Meterring untuk Mendukung Ketahanan Energi Berbasis Sistem Tertanam	RISTEKDIKTI / 172	2017
	Identifikasi Jenis Dan Kandungan Radikal Bebas Pada Bahan Makanan Secara Cepat Dan Presisi Menggunakan Instrumen ESR Termodifikasi	DPP-SPP / 11	2017
	Pengembangan Sistem Instrumentasi Untuk Identifikasi Sifat Kelistrikan Kompleks Suatu Jaringan Biologi Secara Cepat dan Presisi	RISTEKDIKTI / 225	2016
	Identifikasi Jenis dan Kandungan Radikal Bebas pada Bahan Makanan Secara Cepat dan Presisi Menggunakan Instrumen ESR- Termodifikasi	RISTEKDIKTI / 225	2016
	Partners, if applicable		
Published Books	Title	Publisher	Year
	Pengantar Biolistrik	UB Press	2019
	Pembuatan Modul Ajar Berbasis Kompetensi	Elexmedia	2008
Industry	Project Titles	Partners	Period

collaborations over the last 5 years			
Patents and proprietary rights	Titles		Year
	Instrumen pengukur impedansi listrik menggunakan multiprobe		2020
	Metode pengukuran impedansi listrik bahan cair berbasis gula		2017
	Detektor campuran lemak babi pada lemak pangan		2015
	Panduan pembelajaran daring saat kondisi darurat COVID-19		2020
	Pengantar biolistrik		2020
	Panduan menyusun bahan ajar berbasis kompetensi		2020
	Program jadwal		2020
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number): 20		
	1. Chomsin S. Widodo, 2020, Effect of Giving Mangrove Leaf Extract (Acanthus Ilicifolius) and Teak Leaf Extract (Tectona Grandis) on Iron (Fe) Beef Exposed to Gamma Radiation, International Research Journal of Advanced Engineering and Science, 5(3): 21-22, (DOI: http://www.irjaes.com/pdf/V5N3Y20IRJAES/IRJAES-V5N2P285Y20.pdf)		
	2. Chomsin S. Widodo, 2020, Exposure of 1800 MHz Radiofrequency with SAR 1,6 W/kg Caused a Significant Reduction in CD4+ T Cells and Release of Cytokines In-Vitro, Iran J Immunol, 17(2): 154-166, (DOI: https://doi.org/10.22034/iji.2020.84760.1671)		
	3. Chomsin S. Widodo, 2020, The Impact Of Exposure To Aerosol Mosquitoes Repellent Related To Free Radicals On The Organs Of Male Mice, International Journal of GEOMATE, 18(67): 78-83, (DOI: https://www.geomatejournal.com/sites/default/files/articles/78-83-5770-Unggul-March-2020-67.pdf)		
	4. Chomsin S. Widodo, 2020, A Study On Electrical Impedance In Ripening Ambon-Bananas (Musa Paradisiaca Var.Sapientum) Processes Stimulated By Ethrel (2Chloroethyl Phosphonic Acid), International Journal of GEOMATE, 18(67): 39-44, (https://www.geomatejournal.com/sites/default/files/articles/39-44-5659-%20Chomsin-March-202067.pdf)		
	5. Chomsin S. Widodo, 2020, Low-Cost, Compact, And Rapid Bio-Impedance Spectrometer With Real-Time Bode And Nyquist Plots, Applied Sciences, 10(3): 878, (DOI: https://doi.org/10.3390/app10030878)		
	6. Chomsin S. Widodo, 2019, Study on the Effect of Sugar Canes and Saccharin to the Value of Electrical Impedance of Apple Cider Manalagi (Malus sylvestris Mill), Journal of Physics: Conference Series, , (DOI: https://doi.org/10.1088/1742-6596/1153/1/012121)		
	7. Chomsin S. Widodo, 2019, The Effects of Transfluthrin as The Active Substance of One Push Aerosol Repellent on Organs Damage of Mice (Mus Musculus) (Case Study of Lung, Liver, Bloods, and Kidney) , International		

	Journal of GEOMATE, 16(55): 113-118, (DOI: http://www.geomatejournal.com/sites/default/files/articles/113-118-8260-Unggul-March-201955g.pdf)
	8. (Chomsin S. Widodo, 2019, Analysis of CD4 Cell Production Using PBMC Culture after Exposure to Radiofrequency Electromagnetic Waves, International Research Journal of Advanced Engineering and Science, 4(1), (DOI: http://www.irjaes.com/pdf/V4N1Y18IRJAES/IRJAES-V4N1P127Y19.pdf))
	9. (Chomsin S. Widodo, 2019, Effect Extract of Soursop Leaf (<i>Annona Muricata</i>) and Mangosteen Peel (<i>Garcinia Mangostana</i>) on SGPT Level in the Liver of Mice (<i>Mus Musculus</i>) Exposure to Gamma Radiation, International Research Journal of Advanced Engineering and Science, 4(1), (DOI: http://www.irjaes.com/pdf/V4N1Y18IRJAES/IRJAES-V4N1P249Y19.pdf))
	10. (Chomsin S. Widodo, 2019, Analysis of the Effect of NaCl Solution Concentration on the Properties of Impedance Solutions and Different Phases with a Gold Electrode Impedance Measurement System, International Research Journal of Advanced Engineering and Science, 4(2), (DOI: http://www.irjaes.com/pdf/V4N2Y19IRJAES/IRJAES-V4N2P581Y19.pdf))
	11. (Chomsin S. Widodo, 2019, Electrical Impedance Analysis of the Mixture of Lard in Beef Fat by Electrical Spectroscopy Method Using Four Probes, International Research Journal of Advanced Engineering and Science, 4(2), (DOI: http://www.irjaes.com/pdf/V4N2Y19IRJAES/IRJAES-V4N2P581Y19.pdf))
	12. (Chomsin S. Widodo, 2018, The Estimate of Instantaneous Solar Radiation Intensity Using Energy Conversion Method, Natural B, 4(3), (DOI: https://natural-b.ub.ac.id/index.php/naturalb/article/view/414))
	13. (Chomsin S. Widodo, 2018, Study of Thermal Neutron Flux and Generated Energy from Linac using CR-39 Detector in Liquid Medium, Natural B, 4(3), (DOI: https://natural-b.ub.ac.id/index.php/naturalb/article/view/417))
	14. (Chomsin S. Widodo, 2018, The Relationship Between Honey's Floral Origins and The Electrical Impedance of Honey Variants, Natural B, 4(4), (DOI: https://natural-b.ub.ac.id/index.php/naturalb/article/view/420))
	15. (Chomsin S. Widodo, 2017, Improvement of Traditional ESR Performance for Rapid Detection of Free Radicals in Materials, JEEST, 4(1), (DOI: HTTPS://JEEST.UB.AC.ID/INDEX.PHP/JEEST/ARTICLE/VIEW/89))
	16. (Chomsin S. Widodo, 2016, Electrical Impedance Value Analysis on Formalinized Tilapia Fish Meat, Natural B, 3(4), (DOI: https://naturalb.ub.ac.id/index.php/naturalb/article/view/335))
	17. (Chomsin S. Widodo, 2016, Determination of Neutron Spectrum at LINAC Using a Passive Single Sphere Spectrometer, Natural B, 3(4), (DOI: https://natural-b.ub.ac.id/index.php/naturalb/article/view/342))
	18. (Chomsin S. Widodo, 2016, Effects of Quadrifide Sterculia R. Br Extract on

	Potential of Membrane of Oreochromis Niloticus Egg Cell Resulting from Pb Contamination, Natural B, 3(4), (DOI: https://natural-b.ub.ac.id/index.php/naturalb/article/view/340)		
	19. (Chomsin S. Widodo, 2016, Double Layer Impedance Analysis On The Electrical Impedance Measurement Of Solution Using A Parallel Plate, JEEST, 3(1), (DOI: https://jeest.ub.ac.id/index.php/jeest/article/view/56))		
	20. (Chomsin S. Widodo, 2016, Analisis Nilai Impedansi Listrik pada Daging Ikan Nila yang Disimpan dalam Lemari Es, IJAP, 6(2): 117-124, (DOI: https://doi.org/10.13057/ijap.v6i02.1780))		
Activities in specialist bodies over the last 5 years	Organization	Role	Period
	Physics Society of Indonesia	Member	2017-now