



## Dr. Prima Retno Wikandari, M.Si.

Position	Organic Chemistry Lecturer			
	Lecturer on Biochemistry			
Academic Career	Degree	University	Year	
	Bachelor Degree (Chemistry)	ITB, Indonesia	1988	
	Master Degree (Food Science)	IPB, Indonesia	1994	
	Doctoral Degree (Food Science)	UGM, Indonesia	2011	
Employment	Position	Employer	Period	
	Associate Professor	Universitas Negeri Surabaya		
Research and Development Projects Over The Last 5 Years	Title	Year	Partner/Funder	Amount of Financing (million)
	Acidification Activity Test as Antihypertensive (In Vivo)	2015	Penelitian Fundamental (Tahun II)	
	Effectiveness of Fructooligosaccharides Yacon Bulbs ( <i>Smallanthus sonchifolia</i> (Poepp.et Endl.) H. Robinson) as Prebiotics and Sinbiotics: Variations in Storage and Boiling Periods (Year II)	2015	Penelitian Fundamental (Tahun II)	
	FOS Yacon Bulbs [ <i>Smallanthus Sanchifolla</i> (Poepp.et Endl.) H.Robinson] as Prebiotic and Sinbiotic to Inhibit the Growth of Pathogenic Bacteria (Year I)	2016	PUPT-IDB	

	Optimization of Yacon Pellet ( <i>Smallanthus Sonchifolius</i> ) Fermentation Time with <i>Lactobacillus Plantarum</i> B1765 Starter Culture as Alternative Alternative for Probiotic Functional Food	2017	Penelitian Kebijakan FMIPA Unesa	10
	Optimization of Manufacture and Development of Rambutan Beans Processed Food Products as Industrial Scale Pilot Plans Towards Food Security Superiority of the Java Economic Corridor (Year I)	2017	MP3EI	125
	Optimization of Manufacture and Development of Rambutan Beans Processed Food Products as Industrial Scale Pilot Plans Towards Food Security Superiority of Java Economic Corridor (Year II)	2018	MP3EI	125
	Quality Testing of Drinking Water in Unesa Production Packaging	2018	Penelitian Dana PNBPFMIPA Unesa	10
	Maintaining the Bioactive Component Level of Yacon Root [ <i>Smallanthus sanchifolia</i> (Poepp.et Endl.) H. Robinson] through Variations in Height of the Planting Area and Harvest Time and Natural Inhibitors	2018	DIPA Unesa-Pasca	
	Single Pikel Garlic ( <i>Alium sativum</i> ) Product Development as a Synbiotic Functional Food Innovation	2019	PNBPFMIPA Unesa	100
<b>Industry</b>				

<b>Collaborations Over The Last 5 Years</b>			
<b>Patents and Proprietary Rights</b>	<b>Title</b>	<b>Patent ID</b>	<b>Year</b>
<b>Important Publication Over The Last 5 Years</b>	<p><b>Prima Retno Wikandari.</b> 2015. Pelatihan Pembuatan Produk Ikan Olahan di Desa Canditunggal-Kalitengah Lamongan (Author) (Training on Making Processed Fish Products in Canditunggal-Kalitengah Village Lamongan (Author)). Jurnal Abdi. Vol. 1 No. 1, pp: 40–46</p> <p><b>Prima Retno Wikandari.</b> 2016. Pelatihan Budidaya Cacing Tanah (<i>Lumbricus rubellus</i>) bagi Para Tani Desa Sumberdukun, Ngariboyo, Magetan (Co-Author) (Earthworm Cultivation (<i>Lumbricus rubellus</i>) Training for Farmers in Sumberdukun Village, Ngariboyo, Magetan (Co-Author)). Jurnal Abdi. Vol 1 No 2 pp: 114-120</p> <p><b>Prima Retno Wikandari.</b> 2016. Pengaruh Degradasi Enzim Proteolitik Terhadap Aktivitas ACE Inhibitor Bekasam Dengan <i>Lactobacillus plantarum</i> B1765 (Author) (The Effect of Proteolytic Enzyme Degradation on ACE Inhibitor Activity of Acidification with <i>Lactobacillus plantarum</i> B1765 (Author)). Jurnal AGRITECH, Fakultas Teknologi Pertanian, UGM. Vol 36 No 2</p> <p><b>Prima Retno Wikandari.</b> 2016. Pengaruh Jenis Kultur Starter Bakteri Asam Laktat terhadap Karakteristik Soyghurt (Author) (Effect of Lactic Acid Bacteria Starter Culture on Soyghurt Characteristics (Author)). UNESA Journal of Chemistry. Vol. 5 No.1</p> <p><b>Prima Retno Wikandari.</b> 2016. Penentuan Aktivitas-Glukosidase pada Fermentasi Sari Kedelai dengan Kultur Starter <i>Lactobacillus plantarum</i> B1765 (Author) (Determination of Glucosidase Activity in Soybean Juice Fermentation with Starter Culture <i>Lactobacillus plantarum</i> B1765 (Author)). UNESA Journal of Chemistry. Vol.5 No.2</p> <p><b>Prima Retno Wikandari.</b> 2017. Budidaya dan Pemanfaatan Tanaman Yacon (<i>Smallanthus sonchifolius</i>) Untuk Meningkatkan Potensi Alam dan Pemberdayaan Masyarakat Desa Argosari, Kecamatan Senduro, Kabupaten Lumajang (Co-Author) (Yacon (<i>Smallanthus sonchifolius</i>) Cultivation and Utilization to Increase Natural Potential and Community Empowerment of Argosari Village, Senduro District, Lumajang Regency (Co-Author)). Jurnal Abdi. Vol. 2 No. 2 pp: 23-29</p> <p><b>Prima Retno Wikandari.</b> 2017. Resistensi Antibiotik Amoksisilin pada Strain <i>Lactobacillus plantarum</i> B1765 sebagai Kandidat Kultur Probiotik (Author) (Amoxicillin Antibiotic Resistance in <i>Lactobacillus plantarum</i> B1765 Strains as Probiotic Culture Candidates (Author)). UNESA Journal of Chemistry. Vol. 6 No. 1</p>		

**Prima Retno Wikandari.** 2017. Pengaruh Lama Fermentasi Bakteri Asam Laktat *Lactobacillus plantarum* B1765 terhadap Mutu Pikel Umbi Yakon (*Smallanthus sonchifolius*) (Author) (Effect of *Lactobacillus plantarum* B1765 Lactic Acid Bacteria Fermentation Time on the Quality of Pellets of Yakon Bulbs (*Smallanthus sonchifolius*) (Author)). *UNESA Journal of Chemistry*. Vol. 6, No. 2

**Prima Retno Wikandari.** 2017. Pengikatan Garam Empedu oleh Bekasam Bandeng (*Chanos chanos*) yang Difermentasi dengan *Lactobacillus plantarum* B1765 secara In Vitro (Author) (Binding Salt Bile by Former Milkfish (*Chanos chanos*) Fermented with *Lactobacillus plantarum* B1765 by In Vitro (Author)). *UNESA Journal of Chemistry*. Vol. 6, No. 1

**Prima Retno Wikandari.** 2018. The Potential of Yacon Root [*Smalanthus sonchifolius* (Poepp.et Endl.) H.Robinson] as Prebiotics to Stimulate Growth of *Lactobacillus plantarum* B1765 (Co-Author). *Advances in Engineering Research*, Atlantis Press. Vol. 171

**Prima Retno Wikandari.** 2018. The Effect of Storage and Boiling Point of Yacon Tubers to SCFA and Lactic Acids Concentration by Bifido Bacterium Longum Reuter ATCC 17707 and *Lactobacillus acidophilus* IFO 23951 (Co-Author). *Rasayan Journal Chemistry*. Vol. 11 No. 4, pp: 1634-1642

Activities in Special Institution	Organization	Position	Period