



**MINISTRY OF RESEARCH, TECHNOLOGY, AND HIGHER EDUCATION
UNIVERSITAS NEGERI YOGYAKARTA**

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STAFF HANDBOOK

A. Personal Identity

1.	Full Name	Dr. Retno Arianingrum, M.Si
2.	Functional Position	Lektor Kepala
3.	NIP	19681215 199802 2 001
4.	Place and Date of Birth	Sukoharjo, 15 Desember 1968
5.	Home Address	Jl. Perumnas CT XV No. 239 A Yogyakarta 55281
6.	Telephone/Fax	0274 (484638)
7.	Phone	-
8.	Office Address	Jurdik Kimia FMIPA UNY Karangmalang Yogyakarta 55281
9.	Telephone/Fax	(0274)586168 Psw 217; 310 atau 0274565411/ Fax : (0274) 548203
10.	E-mail	arianingrum@uny.ac.id
11.	Specific Expertise	BioKimia Fisik
12.	Subjects taught	a. Biokimia
		b. Teknik Rekayasa Genetik
		c. Enzimologi
		d. Kimia Pangan
		e. Biokimia Fisik
		f. Praktikum Biokimia

B. Educational Background

Program	S1	S2	S3
1. Institution Name	UGM	UGM	UGM
2. Field	Kimia	Bioteknologi	Bioteknologi
3. Year of Entry	1987	1999	2010
4. Graduation Year	1993	2002	2017
5. Title of Undergraduate Thesis/ Master Thesis/ and	Analisis Kalsium dan Oksalat dalam Urin Penderita Batu Ginjal dan Normal Secara	Biosynthesis of $\Delta^{6,7}$ -Anhydroerythromycin Melalui Pengham-batan Reduksi Enoil Oleh	Kajian Potensi <i>p</i> -Hidroksi- <i>m</i> -Metoksi-Kalkon Sebagai Agen Antikanker dan Ko-

Program	S1	S2	S3
Disertation	Speltofotometri	Isoniazid Pada Fermentasi <i>Sac. Erythraea</i> ATCC 11635	Kemoterapi Doksorubisin Pada Sel Kanker Payudara T47D dan MCF-7
6. Promotor	a. Drs. Mudjiran b. Dr. Farid Uzer	a. Prof. Umar Anggara Jenie, M.Sc., Apt b. Prof. Dr. Retno S.Sudibyo	a. Prof. Dr. Retno Sunarminingsih, M.Sc., Apt. b. Prof. dr. Sofia Mubarika, M.Med., Sc., Ph.D c. Prof. Edy Meiyanto, M.Si., Apt.

C. Training Experience

No	Training Field	Organizer	Year	Certificate
1.	Pelatihan Pemanfaatan Hasil Penelitian, Pengabdian Pada Masyarakat yang Berpotensi Paten.	Ristekdikti-ITY	19-21 April 2018	-
2.	Pelatihan Asesor Kompetensi,	LSP UNY & BNSP	10-13 Desember 2017	93000241900641412017

D. Research Experience

No	Year	Research Title	Funding	
			Source	Amount (Milion Rp)
1.	2019	Penelusuran Mekanisme Aksi Kalkon-IRA Sebagai Agen Antikanker pada Sel Kanker Payudara secara Invitro dan Invivo	DIKTI	
2.	2019	Karakterisasi dan Pengembangan Potensi Bawang Putih Lokal dan Hasil Fermentasinya Sebagai Antioksidan, Analgesik, dan Antikanker	Research Group UNY	24
3.	2018	Uji Aktivitas p-hidroksi-m-metoksi-kalkon dan kombinasinya dengan Doksorubisin sebagai antioksidan	Penelitian Pasca Doktor UNY	15
4.	2017 & 2016	Sintesis DerivatKalkon Bersubstituen Bromo Menggunakan Katalis Basa dan Uji Potensinya Sebagai Agen Antikanker Secara Invitro dan Studi Molecular Docking (Anggota)	Penelitian Fundamental	108,12
5.	2016 & 2015	Pengembangan Aplikasi Senyawa Derivat Kalkon Bersubstituen Bromo Pada Kanker Leher Rahim dan Kanker Payudara Melalui	Penelitian Hibah	105

No	Year	Research Title	Funding	
			Source	Amount (Milion Rp)
		Pendekatan Kombinasi dengan Agen Kemoterapi (Ketua)		
6.	2016 & 2015	Pengembangan Produk Nanopartikel Fraksi Aktif Rimpang Tumbuhan Kunci Pepet (<i>Kaempferia Rotunda</i>) serta Uji Aktivitasnya Terhadap Sel Kanker Payudara T47D (Anggota)	Penelitian Fundamental	105
7.	2016	Sintesis Derivat Kalkon Bersubstituen Bromo Menggunakan Katalisa Basa dan Uji Potensinya Sebagai Agen Antikanker secara <i>In Vitro</i> dan Studi <i>Molecular Docking</i> (Anggota)	Penelitian Fundamental	50
8.	2015	Tinjauan Potensi Beberapa Mono Para Hidroksi Kalkon Sebagai Antibiotik : Sintesis, Uji Aktivitas dan Pengembangan Aplikasinya melalui Kombinasi (Ketua)	Insinas Ristek	100
9.	2014	Kajian pHmMK sebagai Agen Antikanker dan Agen Ko-kemoterapi Doksorubisin Pada Sel Kanker Payudara T47D secara invitro (Ketua)	Hibah Desertasi	30

E. Community Service Experience

No	Year	Community Service Title	Funding	
			Source	Amount (Milion Rp)
1.	2019	Pembuatan Sabun Mandi Alami dari Lidah Buaya (ALOE VERA) Untuk Meningkatkan Minat Wirausaha Masyarakat	UNY	9
2.	2018	Pembuatan Sabun Antibakteri Alami dari Tumbuhan Obat Tradisional Untuk Menumbuhkan Budaya Kearifan Lokal dan Minat Wirausaha Masyarakat	UNY	9
3.	2014-2015	IbPE : Industri Keramik Kerajinan Keramik di Daerah Pundong dan Kasihan, Kabupaten Bantul, DIY (Anggota)	DIKTI	200

F. International Seminar/Workshop/Convention Experience

No	International Seminar/Workshop	Year	Position (Participant/Presenter/Keynote Speaker)
1.	International Conference of Chemistry (ICCHEM), Departement of Chemistry Education, FMIPA, UNY 28-29 September 2018	2018	Presenter
2.	The 2 nd International Conference on	2018	Presenter

No	International Seminar/Workshop	Year	Position (Participant/Presenter/ Keynote Speaker)
	Chemistry, Chemical Process and Engineering, (IC3PE) , UII, Yogyakarta 14 Agustus 2018.		
3.	Pharmacy International Conference & Indonesian Society of Cancer Chemoprevention, Universitas Muhammadiyah Purwokerto, October, 13-14 2017.	2017	Presenter
4.	The 1 st International Conference on Chemistry, Chemical Process and Engineering, (IC3PE) , UII, Yogyakarta 15-16 Nopember 2016.	2016	Presenter
5.	International Science and Technology Conference (ISTEC), Vienna Austria, 13-15 Juli 2016.	2016	Presenter
6.	The 3 rd International Conference on Research Implementation, and Education of Mathematic and Sciences (ICRIEMS), UNY Yogyakarta, 16-17 Mei, 2016.	2016	Presenter
7.	The 2 nd International Conference on Research Implementation, and Education of Mathematic and Sciences (ICRIEMS), UNY Yogyakarta, 17-19 Mei 2015.	2015	Presenter
8.	ICB-Pharma II Conference Universitas Muhammadiyah Surakarta, 31 Oktober 2015	2015	Presenter
9.	The International Conference on Research Implementation, and Education of Mathematic and Sciences (ICRIEMS), UNY Yogyakarta, 18-21 Mei, 2014	2014	Presenter

G. Local and National Seminar/Workshop/Convention Experience

No	Local and National Seminar/ Workshop/ Convention	Year	Position (Participant, Presenter, Keynote Speaker)
1.	Seminar Nasional: "Penguatan Peran Kimia di Era Industrialisasi 4.0: Launching Program Studi Magister Kimia", 23 Januari 2019	2019	Participant
2.	Nature Research Academies Workshop, UNY-Springer Nature, 18-19 Desember 2018	2018	Participant
3.	Workshop "How to Determine the Research Topic", UII,	2018	Participant

No	Local and National Seminar/ Workshop/ Convention	Year	Position (Participant, Presenter, Keynote Speaker)
	30 Oktober		
4.	Workshop: " Application of Inductively Coupled Plasma for Boron Microdistribution", Farmasi UGM, 8-10 Agustus 2018	2018	Participant
5.	Workshop Penyusunan Dokumen Mutu Laboratorium, LPPMP UNY, 23 Mei 2018	2018	Participant
6.	Seminar Nasional Kimia; "Optimasi Ilmu Kimia dalam Pengolahan Bahan Pangan Lokal (Hasil Pertanian), HIMAKI, FMIPA, UNY, 21 April 2018	2018	Moderator
7.	Workshop of Science Communication, UNY, 7 Nop 2017	2017	Participant
8.	Seminar Nasional: " Mengembangkan Pemikiran Keilmuan Prof. Dr. Umar Anggara Jenie, M.Sc. Apt. (Alm.) Membangun Iptek Bermanfaat: Etos, Etik, dan Strategi", Farmasi UGM, 21 Agustus 2017	2017	Participant

H. Publication on International Journal

No	Title	Year	Journal Name and Edition
1.	Charaterization of Nanoparticles Produced by Chloroform Fraction of Kaemferia Rotunda Rhizome Loaded with Alginic Acid and Chitosan and its Biological Activity (co-author)	2017	Asian J Pharm Clin Res. Vol 10, Issue 5, 2017, 399-403
2.	Cytotoxic and Apoptotic Effects of <i>para</i> -Hydroxy <i>meta</i> Methoxy Chalcone (<i>pHmMC</i>) on T47D Breast Cancer Cells (first-author).	2016	International Journal of Pharmacy and Clinical Research (IJPCR), ISSN-0975 1556/8(5)/2016
3.	Synthesis Nanoparticles of Chloroform Fraction from Kaempferia rotunda Rhizome Loaded Chitosan and Biological Activity as an Antioxidant (co-author)	2015	International Journal of Drug Delivery Technology, ISSN-09754415; 5(4); 138-142, 2015
4.	Anticancer Activity of Bioactive Compounds from Kaempferia rotunda Rhizome Against Human Breast Cancer (co-author)	2015	International Journal of Pharmacognosy and Phytochemical Research, ISSN 0975-4873 ; 7(2); 262-269, 2015

I. Publication on National Journal

No	Title	Year	Journal Name and Edition
1.	Pengaruh p-Hidroksi-m-metoksi-Kalkon (pHmMK) terhadap Ekspresi Protein Bcl-2 dan Bax Pada Sel Kanker Payudara MCF-7.	2016	Jurnal Saintek, Vol 21. No. 1. April 2016, 10-20.

J. Book Writing Experience

No	Year	Title	Number of pages	Publisher
1				
2				

K. Structural Position Experience

No	Position	Year	Description
1			
2			

L. Professional Experience

No	Position	Year	Description
1			
2			

M. Professional Organization Membership

No	Professional Organizational Name	Year	Position
1.	Himpunan Kimia Indonesia (HKI)		Secretary
2.	International Society for Cancer Chemoprevention (ISCC)		Member

Thus this biodata made in truth to use properly.

Yogyakarta, Februari 28th 2019

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