

**KEMENTERIAN RISET, TEKNOLOGI, DAN PENDIDIKAN TINGGI****UNIVERSITAS NEGERI YOGYAKARTA**

Jalan Colombo No. 1, Yogyakarta 55281

Telp. (0274) 586168 Hunting, Fax. (0274) 565500; Rektor Telp./Fax.: (0274) 512192

WR I Telp./Fax.: (0274) 561634; WR II Telp./Fax. : (0274) 512851; WR III Telp./Fax. :

(0274) 548205; WR IV Telp./Fax. : (0274) 555782

Homepage : <http://www.uny.ac.id>, E-mail : [humas@uny.ac.id](mailto:humas@uny.ac.id)**STAFF HANDBOOK****A. Personal Information**

1.	Full Name	Anna Rakhmawati, M.Si.
2.	Functional Position	Senior Lecturer
3.	NIP (ID Number)	19770102 200112 2 002
4.	Place/Date of Birth	Wonosobo, 2 January 1977
5.	Address	Perumahan Jaban Asri Kavling 4 RT 01 RW32 Jaban Tridadi Sleman Daerah Istimewa Yogyakarta
6.	Home/Fax	-
7.	Mobile	081328076689
8.	Office Address	Kampus Karangmalang Yogyakarta
9.	Office/Fax	0274-586168/0274-548203
10.	E-mail	<a href="mailto:anna_rakhmawati@uny.ac.id">anna_rakhmawati@uny.ac.id</a> ; <a href="mailto:wannawijaya@yahoo.com">wannawijaya@yahoo.com</a>
11.	Field of Expertise	Microbiology
12.	Subjects Taught	a. Microbiology
		b. Practicum of Microbiology
		c. Mycology
		d. Practicum of Mycology
		e. Industrial Microbiology
		f. Practicum of Industrial Microbiology
		g. General Biology
		h. Practicum of General Biology
		i. Basic Sciences
		j. Microteaching

**B. Educational Background**

Program	S1 (Bachelor)	S2 (Master)	S3 (Doctorate)
1. University	Universitas Gadjah Mada	Universitas Indonesia	Universitas Gadjah Mada
2. Major	Microbiology	Microbiology	Microbiology
3. Year Admitted	1995	2000	2017
4. Year Graduated	1999	2004	Currently enrolling

5. Thesis/Dissertation Title	Pengaruh Penambahan Garam Dan Tepung Tapioka terhadap Akhuitas BAL pada Fermentasi Limbah Ikan	Isolasi, Identifikasi, Seleksi Kapang dan Fermentasi Limbah Kelapa Sawit	Fisiologi dan Dasar Molekular Toleransi terhadap Timbal (pb) pada Bakteri Termofil
6. Advisor/Promoter	Dra. Sri Juni Nastiti Dra. Th. Tri Suharni	Dr. Yantyati Widyastuti Dr. Wardoyo Mangunwardoyo	Prof. Ir. Triwibowo Yuwono, Ph.D.; Prof. Endang Tri Wahyuni, M.S.

### C. Training Experiences

No	Training	Organizer	Year	Certification
1.	Workshop Penulisan Naskah Jurnal dan Pemanfaatan Manajemen Referensi	IndoCEISS dan DIKE FMIPA UGM	2017	Participant
2	Workshop Kurikulum Berbasis Stakeholder	Prodi Bioteknologi, F.Saintek Unviersitas Aisyiyah Yogyakarta	2018	Stakeholder
3	Pelatihan Teknik Sitogenetika dan Genetika Molekuler dan Bioinformatika	Fakultas Biologi	2018	Participant
4	Nature Research Academic Workshop	UNY	2018	Participant

### D. Research Experiences

No	Year	Topic	Funding	
			Source	Amount (Million IDR)
1.	2010	Chicken rations fortification with lactic	World	338
2.	2010	Pengembangan hasil penelitian isolasi dan	DIPA UNY	3
3.	2011	Identifikasi Bakteri Selulolitik Dari	DIPA UNY	4
4.	2011	Keanekaragaman genetik bakteri resisten	DIPA UNY	50
5.	2011	Eksplorasi bakteri termofilik pasca erupsi	DIPA UNY	10
6.	2011	Isolasi dan uji aktivitas enzim amilase	DIPA UNY	4

7.	2012	Aplikasi Nanopartikel Perak pada Komposit	DIPA UNY	50
8.	2012	Isolasi dan uji aktivitas enzim	DIPA UNY	4
9.	2012	Tinjauan Mikrobiologis dan Seleksi Mikroba	DIPA UNY	7,5
10.	2013	Pengembangan Bakteri Termofilik	DIKTI	50
11.	2013	Bioprospeksi bakteri thermofilik penghasil	DIKTI	40
12.	2013	Pengembangan Material Penutup Luka	RISTEK	180
13.	2014	Optimasi Enzim Selulase Kapang	DIPA UNY	10
14.	2014	Optimasi Produksi Senyawa Antimikrobia	DIPA UNY	5
15.	2015	Bioprospeksi Bakteri Termofilik Pasca Erupsi	DIPA UNY	20
16.	2016	Keanekaragaman Organisme	DIPA UNY	20
17.	2016	Modifikasi <i>self cleaning textile</i> sebagai Bahan	Kemenriste	50
18.	2017	Pengembangan Minyak Cengkeh sebagai	DIPA UNY	20

#### E. Community Services

No	Year	Activity	Funding	
			Source	Amount (Million IDR)
1.	2010	Pelatihan pembuatan media bioplastik	DIPA UNY	3
2.	2010	Aplikasi metode numerik-fenetik untuk	DIPA UNY	10
3.	2012	Workshop penyusunan menu makanan	DIPA UNY	17,5
4.	2012	Simulasi Pengemasan Jajan Siswa dengan	DIPA UNY	4
5.	2013	Pelatihan Identifikasi	DIPA UNY	4
6.	2013	Pelatihan higiene, sanitasi, dan penyiapan	DIPA UNY	4
7.	2014	IbM Workshop Penyusunan Program dan	DIPA UNY	41,5
8.	2014	Pelatihan Identifikasi Jajanan Sekolah yang Mengandung Bahan Tambahan makanan Berbahaya bagi Guru Pengelola Kantin Sekolah Playgroup dan Taman Kanak-Kanak Budi Mulia Dua	DIPA UNY	4
9.	2015	Pelatihan Produksi Telur Asin Untuk Meningkatkan	DIPA UNY	4
10.	2015	Peningkatan Potensi Gizi Dan Nilai Ekonomis Produk Mie Lethek Berdasar Teknologi Fermentasi Bakteri Amilolitik	DIPA UNY	10
11.	2016	Pelatihan Identifikasi Potensi hazard Bahan Pangan sebagai Upaya Pencegahan Keracunan	DIPA UNY	4
12.	2016	Pelatihan Produksi Telur Asin Aneka Rasa untuk Menambah Penghasilan Keluarga	DIPA UNY	4
13.	2017	Pelatihan Produksi Telur Asin Asap sebagai Upaya Peningkatan Pendapatan Keluarga	DIPA UNY	4
14.	2017	Pelatihan Identifikasi Potensi Hazard bahan Pangan sebagai Upaya Pencegahan Keracunan Jajanan Anak Sekolah	DIPA UNY	4

**F. International Conferences/Workshops/Seminars**

No	International Conference/Workshop/Seminar	Year	Attending as
1.	The Internasional Post Graduate Conference On Science and Mathematics Bacterial Cellulose From Rice Waste With Addition of Chitosan	2013	Paper Presenter
2.	The 2 <sup>nd</sup> International Conference of the Indonesian Chemical Society Cellulose From Sweet Potato Waste With Addition of Chitosan and Glycerol	2013	Paper Presenter
3.	International Conference On Research, Implementation And Education Of Mathematics And Sciences Antimicrobial Activity Of Extra Celullar Protein Derived From Six Isolated Thermophilic Bacteria	2014	Paper Presenter
4.	10th International Joint Conference on Chemistry, Sebelas Maret University Surakarta Effect of Chitosan and Glycerol to Bacterial Cellulose Composite From Rice Waste Water Deposited Nanoparticle as Antimicrobial Material	2015	Paper Presenter
5	3rd International Conference on Research Implementation and Education of Mathematics and Science (ICRIEMS)  Anticancer Property of Rotein Isolated from Thermophilic Bacteria against Breast T47D Cancer Cell Lines	2016	Paper Presenter
6	AIP Conference Proceedings 1868 (1),  Screening and Characterization of Phosphate Solublizing Bacteria from Isolate of Thermophilic Bacteria	2017	Paper Presenter

**G. Local and/or National Conventions/Workshop/Seminars**

No	Local and/or National Convention/Workshop/Seminar	Year	Attending as
1.	Seminar nasional dalam rangka Dies Natalis UNY Ke-50 Pelatihan Identifikasi Potensi Hazard Bahan Pangan Sebagai Optimalisasi Penyiapan Nutrisi Tumbuh Kembang Anak Usia Dini	2014	Paper Presenter

2.	Semnas “Pengembangan Aktivitas Penelitian dan Pemberdayaan Penelitian Melalui Manajemen Kegiatan Penelitian Biologi Beserta Pembelajarannya” Tinjauan Mikrobiologis dan Seleksi Mikroba Amilolitik Indigenous pada Proses Pembuatan Mie Lethek	2014	Paper Presenter
3.	Semnas “Pengembangan Aktivitas Penelitian dan Pemberdayaan Penelitian Melalui Manajemen Kegiatan Penelitian Biologi Beserta Pembelajarannya” Isolasi dan Uji Aktivitas Enzim Amilase Termotabil dari Bakteri Termofilik Pasca Erupsi Merapi	2014	Paper Presenter
4.	Seminar nasional dalam rangka Dies Natalis UNY Ke-51 IBM Workshop Penyusunan Program dan Penyiapan Menu Makanan Tambahan Anak Sekolah bagi Guru SD Inklusif DIY	2015	Paper Presenter
5.	Prosiding Seminar Nasional Penelitian dan Pengabdian kepada Masyarakat dalam Memulihkan Martabat Manusia “ Resistensi Bakteri Termofilik Pasca Erupsi Merapi terhadap Logam Berat	2016	Paper Presenter
6	Semnas Penelitian, Pendidikan, dan Penerapan Biologi untuk Mendukung Pencapaian SDGs	2017	Participant
7	#2 <sup>nd</sup> Biotechnology Seminar “Getting close to Microbes-Biotechnology”	2018	Participant

#### H. Publications in International Journals

No	Title	Year	Journal/Edition
1	Application of Terminalia catappa in Preparation of Silver Nanoparticles to Develop Antibacterial Nylon	2017	Oriental Journal of Chemistry Vol. 33 No. 6

2	Bacterial Activity of Nanoparticles Produced by Ethanol Extrat of <i>Boesenbergia rotunda</i> Rhizome Loaded with Chitosan and Alginic Acid Againts <i>Streptococcus mutans</i> by In Vitro	2017	International Journal of Drug Delivery Technology Vol. 7 No.3
3	Study of Potential Phenolic Compounds from Stems of <i>Dendrophthoe falcata</i> (Loranthaceae) Plant as Antioxidant and Antimicrobial Agents	2018	Oriental Journal of Chemistry Vol. 34 No. 5
4	Standard Quality and Antibacterial Activity Tests of Clove Oil in Solid Soap Production Against <i>Staphylococcus aureus</i> , <i>Staphylococcus epidermidis</i> and <i>Escherichia coli</i>	2018	Oriental Journal of Chemistry Vol. 34 No. 5
5	Potential Bioactive Compounds Isolated from <i>Boesenbergia rotunda</i> as Antioxidant and Antimicrobial agents	2018	Pharmacognosy Journal, Vol 10, Issue 3

#### I. Publications in National Journals

No	Title	Year	Journal/Edition
1	Isolasi dan Uji Aktivitas Enzim Lipase Termotabil dari Bakteri Termofilik Pasca Erupsi Merapi	2014	Jurnal Sains Dasar; Vol 3, No 1, April 2014
2	Seleksi Bakteri Termofilik Selulolitik Pasca Erupsi Merapi	2014	Kaunia; Vol X, No 2 ISSN : 1829-5266
3	Kemudahan Biodegradasi Selulosa Bakteri dari Limbah Cucian Beras dengan Penambahan Gliserol, Kitosan, dan Nanopartikel Perak	2016	Jurnal Kimia Valensi, Volume 2, No. 1
4	Bacterial cellulose from rice waste water and its composite which are deposited nanoparticle as an antimicrobial material	2016	Alchemy, volume 2, No. 1,
5	Bacterial Cellulose from Rice Waste Water with Addition Chitosan, Glycerol, and Silver Nanoparticle	2016	Molekul 11(1), 9-24 (Index: DOAJ, CAS, Google Scholar, CrossRef, EBSCO)
6	Bacterial Celulose from Waste Water and its Composite whih are Deposited Nanoparticle as an Antimicrobial Material	2016	Jurnal Penelitian Kimia Vol. 12 No.1
7	Optimation of Antimicrobial Substance Production in Cell Free Extract from Thermophylic Bacteria Fermentation after Merapi Eruption	2016	Jurnal Sains Dasar Vol.. 4 No. 2

8	The Hydrophobicity and The Antibacterial Activity of Polyester Modified with Silver Nanoparticle and Hexadecyltrimethoxysilane	2017	Molekul 12(1), 78-87 (Index:DOAJ, CAS, Google Scholar, CrossRef, EBSCO)
9	Pelatihan Identifikasi Potensi Hazard Bahan Pangan Sebagai Upaya Pencegahan Keracunan Jajanan Anak Sekolah	2017	J. Pengabdian Masyarakat MIPA dan Pendidikan MIPAVolume 1 (2), hal 62-69, 2017

#### J. Books Published

No	Year	Title	Page Count	Publisher
1.	2011	Mikrobiologi	90	Diktat (FMIPA UNY)
2.	2012	Mikologi	40	Diktat (FMIPA UNY)

#### K. Structural Positions Held

No	Position	Year	Additional Notes
1.	Sekretaris Jurusan Pendidikan Biologi FMIPA UNY	2011 - 2015	

#### L. Professional Experiences

No	Position	Year	Additional Notes
1.	Reiewer PKM di FMIPA UNY	2017	Reviewer

#### M. Professional Organization Memberships

No	Organization	Year	Position
1.	PBI	2016 - now	Member
2.	PAI	2016 - now	Member
3.	HPBBI	2016 - now	Member

Yogyakarta, 2 July 2019

Anna Rakhmawati, M. Si.  
NIP 197701022001122002