



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

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STAFF HANDBOOK

A. Personal Identity

1.	Full Name	Dr.Drs.Crys Fajar Partana , M.Si
2.	Functional Position	Lektor Kepala
3.	NIP	196312301989011001
4.	Place and Date of Birth	Yogyakarta, 30 Desember 1963
5.	Phone	-
6.	Office Address	Juridik Kimia FMIPA UNY Karangmalang Yogyakarta 55281
7.	Telephone/ Fax	(0274)548203
8.	E-mail	fajar_partana@uny.ac.id
9.	Specific expertise	Kimia Komputasi
10.	Subjects taught	a. Komputasi Kimia
		b. Dinamika Molekuler
		c. Kimia Kuantum
		d. Kewirausahaan
		e. Ikatan Kimia
		f. Topik Khusus Kimia Fisiks dan Kimia Anorganik
		g. Visualisasi dalam Pendidikan Kimia

B. Educational Background

Program	S1	S2	S3
1. Institution Name	IKIP Yogyakarta (UNY)	UGM	UGM
2. Major	Pendidikan Kimia	Ilmu Kimia	Ilmu Kimia
3. Year of Entry	1982	1992	2009
4. Graduation Year	1988	1995	2015
5. Title of Undergraduate Thesis/ Master Thesis/ and Dissertation	Pengaruh Minat dan Motivasi Belajar Terhadap Prestasi Belajar Ilmu Kimia di SMA 2 Wonosari Gunungkidul	Persamaan Keadaan emulsi Minyak dalam Air	Struktur dan Dinamika solvasi ion scandium singlet dan triplet dalam air, amoniak, dan campuran air-amoniak

			menggunakan simulasi QM/MM MD
6. Promotor	<ul style="list-style-type: none"> • Prof Dr. Sukardjo 	<ul style="list-style-type: none"> • Dr. Djoko Sasmita • Dr. M. Utoro Yahya M.Sc. 	<ul style="list-style-type: none"> • Dr. rer.nat Ria Armunanto • Prof. Dr. Harno D. Pranowo • Prof. Dr Utoro Yahya, M.Sc

C. Training Experiences

No	Training Field	Organizer	Year	Certificate
1				
2				

D. Research Experiences

No	Year	Research Title	Funding	
			Source	Amount (Million Rp)
1	2014	Struktur dan Dinamika Skandium triplet dalam amoniak	Hibah Doktor	30 juta
2	2015	Struktur dan Dinamika ion Sc singlet dan triplet dalam air, amoniak dan campuran amoniak-air menggunakan simulasi QM/MM MK	Penelitian Doktor	Mandiri
3	2016	Model Kurikulum Kimia Terintegrasi Konteks Kejuruan untuk SMK Teknik Otomotif	Penelitian Sosial, Humaniora dan Pendidikan	130 juta
4	2016	Analisis Keterampilan 5M Siswa SMA di Kabupaten Sleman dalam Penerapan Scientific Approach dengan teknik POE pada Pembelajaran Kimia	DIPA UNY	5 Juta
5	2017	Struktur dan Dinamika ion logam golongan II dalam air, menggunakan simulasi QM/MM MK	DIPA UNY	6 Juta
6	2018	Struktur dan Dinamika ion air Raksa dalam air, amoniak dan campuran amoniak-air menggunakan simulasi QM/MM MK	DIPA UNY	15 Juta
7	2019	Struktur dan Dinamika ion Timbal dalam air, amoniak dan campuran amoniak-air menggunakan simulasi QM/MM MK	DIPA UNY	16 Juta

E. Community Service Experiences

No	Year	Community Service Title	Funding	
			Source	Amount (Million Rp)
1	2016	Pelatihan Pengembangan Pembelajaran Kimia terintegrasi konteks Kejuruan untuk meningkatkan Profesionalisme Guru SMK di Sleman	DIPA - UNY	5

No	Year	Community Service Title	Funding	
			Source	Amount (Million Rp)
2	2016	Pelatihan Guru-guru SMP dalam menghadapi Olimpiade IPA tahun 2016	Dikpora Kabupaten Gunungkidul	6
3	2017	Pelatihan Pembuatan sabun Herbal Ibu-Ibu PKK di Kabupaten Magelang	DIPA UNY	5
4	2018	Pelatihan Pembuatan sabun Herbal PKBM Al Mustajab Jambatan Banguntapab Bantul	DIPA UNY	5
5	2019	Pelatihan Pembuatan sabun Herbal Ibu-Ibu PKK Ploso Weta Muntilan di Kabupaten Magelang	DIPA UNY	5
6	2016	Pelatihan Pengembangan Pembelajaran Kimia terintegrasi konteks Kejuruan untuk meningkatkan Profesionalisme Guru SMK di Sleman	DIPA - UNY	5

F. International Seminar/ Workshop/ Convention Experiences

No	International Seminar/ Workshop/ Convention	Year	Position (Participant/ Presenter/ Keynote Speaker)
1	Basic Science International Conference 2013 UNIBRAW Malang	2013	Presenter
2	ICRIEMS	2016	Presenter
3	ICRIEMS	2017	Presenter
4	ICCHEM	2018	Presenter
5	ICONPROCS 2019	2019	Presenter

G. Local and National Seminar/ Workshop/ Convention Experiences

No	Local and National Seminar/ Workshop/ Convention	Year	Position (Participant/ Presenter/ Keynote Speaker)
1	Seminar Nasional FMIPA UGM	2014	Presenter
2			
3			

H. Publication on International Journals

No	Title	Year	Journal Name and Edition
1	Exploring Metacognitive Judgment of Chemistry Teacher Candidates on Chemical Reading Activity	2018	<i>International Journal of Instruction</i> October 2018, Vol.11, No.4 p-ISSN: 1694-609X pp. 75-92
2	Exploration of Procedural Knowledge of Bilingual Students in Chemical Equilibrium Problem Solving	2018	EDUCATUM JSMT Vol. 5 No. 1 (2018)

No	Title	Year	Journal Name and Edition
2	Structure and dynamics of Hg 2+ in aqueous solution: an Ab Initio QM/MM molecular dynamics study	2019	Journal of Physics Conference Series 01/2019; 1156(1):012012
3	Automotive engineering chemistry module: Exploring acid base and electrochemistry topic in vehicle context	2019	Journal of Physics Conference Series 01/2019; 1156(1):012023
4	Chemistry in context: The development of hydrocarbon chemistry and petroleum module based on vehicle case	2019	Journal of Physics Conference Series 01/2019; 1156:012021.
5	Development Of Android Based Chemical Learning Media For High School Students	2019	International Journal on New Trends in Education and Their Implications April 2019 Volume: 10 Issue: 2 ISSN 1309-6249
6	Students' Learning Outcome In Chemistry Learning Using Android Application	2019	International Journal on New Trends in Education and Their Implications April 2019 Volume: 10 Issue: 2 ISSN 1309-6249
7	Android Application Supplement Strengthening Technology For Chemistry Learning Construction Of Metacognition Ability	2019	European Journal of Education Studies Volume 6 , Issue 2 , 2019

I. Publication on National Journals

No	Title	Year	Journal Name and Edition
1			

J. Book Writing Experience

No	Year	Title	Number of pages	Publisher
1				

K. Structural Position Experience

No	Position	Year	Description

L. Professional Experience

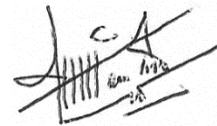
No	Position	Year	Description
1			
2			

M. Professional Organizational Membership

No	Professional Organizational Name	Year	Position
1			
2			

Thus this biodata made in truth to use properly.

Yogyakarta, February 28th, 2019



Dr. Drs. Crys Fajar Partana, M.Si.
NIP. 196312301989011001