

## DAFTAR RIWAYAT HIDUP



### I. IDENTITAS

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Status Perkawinan :  Menikah    Belum Menikah    Janda / Duda  
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Google scholar=19 (sitasi=1194)

### II. RIWAYAT PENDIDIKAN

No	Jenjang Pendidikan	Perguruan Tinggi	Bidang	Program Studi	Tahun Lulus
1	Doktoral (S3), Ph.D.	Keio University, Japan	Sains	Applied Chemistry	1999
2	Magister (S2), M.Eng	Keio University, Japan	Sains	Applied Chemistry	1993
3	Sarjana (S1), Drs.	UGM	MIPA	Kimia	1987
4	Sarjana Muda, B.Sc.	UGM	MIPA	Kimia	1986

### III. PENGALAMAN PELATIHAN/WORKSHOP (10 tahun terakhir)

No	Jenis Pelatihan/Workshop	Institusi Penyelenggara	Jangka Waktu	Tahun
1	Chemical Safety and Security Officer (CSSO), Bangkok.	Sandia Laboratory, USA	1 minggu	2010

2	Kursus Amdal C (Penilai Amdal)	PSLH-UGM	3 minggu	2010
3	Kursus Operasional Alat TEM	JEOL, Jepang	1 minggu	2011
4	TOT Chemical Safety and Security Officer (CSSO)	Sandia Laboratory, USA	1 minggu	2012

### III. PENGALAMAN KEPEMIMPINAN

No	Tingkat	Ruang Lingkup Jabatan	Jangka waktu
	<b>a. International</b>		
1	Steering Committee PARE Consortium Program, Hokkaido University	Konsorsium PT 3 negara: Jepang, Thailand dan Indonesia untuk Master Program	2012-sekarang
	<b>b. Nasional</b>		
1	Tim Pakar Kerjasama JSPS-DIKTI	Membuat panduan program, merencanakan pelaksanaan, memonitor dan mengevaluasi kerjasama ilmiah antara Japan Society for Promotion of Science (JSPS) dan DIKTI	2006-sekarang
2.	Tim Pakar <i>Program World Class Professor (WCP)</i> , DIKTI	Membuat panduan program, merencanakan pelaksanaan, memonitor dan mengevaluasi pelaksanaan program	2017-sekarang
3.	Tim Pakar (Koordinator) Program Magang Dosen ke Industri (MDI), DIKTI	Membuat panduan program, merencanakan pelaksanaan, memonitor dan mengevaluasi pelaksanaan program	2021-sekarang
4.	Tim Perumus (Koordinator) Program Insentif dan Pendampingan Jurnal Nasional, Ristek-BRIN	Merumuskan program membuat panduan, merencanakan pelaksanaan, memonitor dan mengevaluasi pelaksanaan program	2020-2021
	<b>c. PT/Lembaga</b>		
1	Kepala Laboratorium Kimia Analitik FMIPA UGM	Mengkoordinasikan pengembangan ilmu, riset, jasa analisis dan layanan praktikum	2003-2008
2	Sekretaris Senat FMIPA UGM	Membantu Ketua Senat Fakultas dalam pengambilan kebijakan akademik di fakultas	2004-2008
3	Ketua Senat FMIPA UGM	Memimpin para anggota senat dalam pengambilan kebijakan akademik dan policy pengembangan fakultas	2008-2009
4	Ketua Jurusan Kimia FMIPA UGM	Memimpin pelaksanaan dan arah pengembangan PBM, penelitian dan PKM di Jurusan Kimia FMIPA UGM	2008-2012
5	Wakil Dekan Bidang Penelitian, Pengabdian kepada Masyarakat dan Kerjasama	Membantu Dekan dalam pelaksanaan dan pengembangan tri dharma PT khususnya dalam bidang Penelitian, Pengabdian kepada Masyarakat dan Kerjasama	2012-2016

6	Ketua Senat FMIPA UGM	Memimpin para anggota senat dalam pengambilan kebijakan akademik dan policy pengembangan fakultas	2021-sekarang
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#### IV. PENGHARGAAN

No	Bentuk Penghargaan	Pemberi	Tahun
1	Scholarship Awards for Master Program in Japan	INPEX Scholarship Foundation, Japan	1990-1993
2	Dosen Teladan II UGM	Rektor Universitas Gadjah Mada (UGM)	1995
3	Scholarship Awards for Ph.D. Program in Japan	Hitachi Scholarship Foundation, Japan	1995-1999
4	Fujiwara Award for distinguished Graduated Ph.D. Student	Keio University, Japan	1999
5	Hitachi Research Fellowship awards for post-doctoral/visiting scholar in Japan ( <b>4 kali</b> )	Hitachi Scholarship Foundation, Japan	2000, 2003, 2005, 2007
6	Tanda Kehormatan Satyalancana Karya Satya 10 Tahun	Presiden Republik Indonesia	2003
7	Toray Science and Technology Award	Indonesia Toray Science Foundation (ITSF), Jakarta	2003
8	Penghargaan Publikasi Internasional Terbaik UGM ( <b>3 kali</b> )	Rektor Universitas Gadjah Mada (UGM)	2003, 2007, 2008
9	Jasso Follow-up Research Fellowship awards: for visiting professor (3 months)	Jasso Foundation, Japan	2008
10	Dosen Berprestasi III Tingkat Nasional	Mendiknas Republik Indonesia	2008
11	Tanda Kehormatan Satyalancana Karya Satya 20 Tahun	Presiden Republik Indonesia	2013
12	Hokkaido University Patner	President of Hokkaido Universty	2017

#### V. PENGALAMAN ORGANISASI

No	Jenis>Nama Organisasi	Jabatan/Jenjang Keanggotaan	Tahun
1	Senat Mahasiswa FMIPA UGM	Ketua	1985-1987
2	Ikatan Mahasiswa Kendal di Yogyakarta (ISMAKA)	Ketua	1985-1987
3	The Chemical Society of Japan (CSJ)	Anggota	1991-2000
4	American Chemical Society (ACS)	Anggota	1995-1999
5	Himpunan Kimia Indonesia (HKI)	Anggota	2010-sekarang

6	Royal Chemical Society (RSC), UK	Anggota	2013-sekarang
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#### VI. PENGALAMAN PROFESIONAL/JEJARING (10 tahun terakhir)

No	Bidang	Penyelenggara	Jangka Waktu
1.	Reviewer Penelitian RISPRO	LPDP, Kemenkeu	2015-Sekarang
2.	Reviewer Pendirian Prodi Baru	DIKTI, Kemendikbud	2014-2017
3.	Reviewer Penelitian	DP2M (DRPM)-DIKTI	2010-sekarang
4.	JSPS-DIKTI Joint research	Tim Pakar Dikdaya-DIKTI	2007-sekarang
5.	Reviewer LPPM UGM	LPPM UGM	2007-sekarang
7.	<i>Editor in Chief/Editor Journal</i>	Indonesian Journal of Chemistry	2003-sekarang
8.	Reviewer artikel Journal	Beberapa journal Elsevier	2011-sekarang
9.	TIM Penilaian Angka Kredit (PAK) Kenaikan Pangkat & Jabatan Dosen	LLDIKTI V, Yogyakarta	2013-sekarang
10.	<i>Editorial Board Journal International</i>	<i>Geology, Ecology and Landscapes (Taylor &amp; Francise online)</i>	2016-sekarang
11.	TIM PAK Kenaikan Pangkat & Jabatan Dosen	FMIPA UGM	2005-2016
12.	Tim Reviewer Penghargaan P2M	UGM	2004-2012
13.	Penerbitan Buku (Saintek)	Gajah Mada University Press	2004-2009

#### VII. PENGALAMAN PROFESIONAL LAIN ( 5 tahun terakhir)

No	Bidang	Penyelenggara	Jangka Waktu
1	Interviewer Beasiswa S2/S3	LPDP, Kemenkeu	2013-sekarang
2	Interviewer Beasiswa LN Dikti	DIKTI, Kemendikbudristek	2010-2019
3	Beasiswa S2 Afirmasi 3T	DIKTI, Kemendikbud	2014

#### VIII. PENGALAMAN KERJA

No	Institusi/Lembaga	Jabatan	Jangka Waktu	Tahun
1	P.T. Polysindo Eka Perkasa	Supervisor	1987-1988	1987
2	Universitas Gadjah Mada	Tenaga pengajar	1988-1993	1988
3	Universitas Gadjah Mada	Asisten Ahli Madya	1993-1996	1993
4	Universitas Gadjah Mada	Asisten Ahli	1996-1999	1996
5	Universitas Gadjah Mada	Lektor Muda	1999-2001	1999

6	Universitas Gadjah Mada	Lektor	2001-2002	2001
7	Universitas Gadjah Mada	Lektor Kepala	2002-2006	2002
8	Universitas Gadjah Mada	Guru Besar	2006-Sekarang	2006

**IX. PENGALAMAN RISET (10 tahun terakhir, Hanya sebagai Peneliti Utama)**

No	Judul Riset	Institusi Penyelenggara Riset	Tahun
1	Pemanfaatan adsorben murah abu layang dan abu dasar batubara untuk adsorpsi zat warna kationik metilen biru	Penelitian Damas FMIPA UGM	2021
2	Analisis QSAR Garam Ammonium Bis-Kuarternier menggunakan Metode MLR dan ANN serta Aplikasinya dalam perancangan senyawa antibakteri baru yang lebih poten	RTA-UGM	2021
3	Kajian pemanfaatan material limbah abu layang dan abu dasar batubara untuk adsorpsi polutan zat warna kationik dan anionik melalui pengaturan pH	PDUPT-DRPM, Kemendikbudristek	2021-2022
4	Material limbah abu layang dan abu dasar batu bara termodifikasi ditizon sebagai adsorben logam berat: Kajian kinetika, isoterm dan termodinamika adsorpsi	PD-DRPM, Kemendikbudristek	2021-2022
5	The Refinement Model of Acetylcholine Hydrolysis: A Computational Approach for Understanding Alzheimer's Disease through Density-functional Calculations	RKI-WCU 4 (empat) PTBHMN: UGM, UA, IPB dan ITB	2020
6	Analisis QSAR dan Perancangan Fungisida Baru Turunan 2-Aril-3,4-dihidroisokuinolin-2-ium (ADHIQ)	RTA-UGM	2020
7	Abu Layang Batubara Terlapis Ligan Ditizon untuk Adsorpsi Logam Berat Ni(II) dan Ag(I)	PTM-DRPM, Kemenristekdikti	2020
8	Adsorpsi Simultan Logam Berat Menggunakan Bentonit Alam Terimobilisasi Ligan Organik	WCR-DRPM, Kemenristekdikti	2019-2020
9	Modifikasi Abu Dasar Batubara dengan Immobilisasi Ligan Organik Ditizon dalam Medium Air/Basa untuk Adsorpsi Logam Berat	PMDSU-DRPM, Kemenristekdikti	2019-2021
10	Preparasi dan Studi Adsorpsi-Desorpsi Adsorben Logam Berat Berbasis Abu Layang Batubara (Coal Fly ash) Termodifikasi Ditizon	PTM-DRPM, Kemenristekdikti	2019
11	Desain Molekuler Senyawa Surfaktan Gemini Kationik Berdasarkan Pendekatan Kimia Komputasi	PDD-DRPM, Kemenristekdikti	2019-2020
12	Mikroenkapsulasi $\beta$ -Karoten dalam Matriks Pati Terhidrolisis/Kitosan	PDD-DRPM, Kemenristekdikti	2019-2020
13	Fundamental Mechanism Development of Biological Process on Cholinergic Hypothesis Lead to Alzheimer's Disease	RKI-WCU 4 (empat) PTBHMN: UGM, UA, IPB dan ITB	2018

14	Kinetika dan Isoterm Adsorpsi Logam Berat Berbahaya oleh Adsorben Selektif Berbasis Abu Dasar Batubara	PD DRPM, Kemenristekdikti	2018-2019
15	Interaksi Zat Warna Kationik Metil Hijau dengan DNA: Pengaruh Kekuatan Ion pada Konstanta Kesetimbangan Interaksi dan Denaturasi Termal	PDUPT DRPM, Kemenristekdikti	2018-2019
16	Adsorpsi Zat Warna Kationik Metilen Biru pada Abu Dasar Batubara Teraktivasi Asam Klorida	Penelitian BPPTNBH FMIPA UGM	2018
17	Abu Dasar Batubara Terimobilisasi Dithizon Untuk Adsorpsi Tembaga(Ii)	Penelitian BPPTNBH FMIPA UGM	2017
18	Immobilisasi Dithizon pada Abu Dasar Batubara dan Aplikasinya untuk Adsorpsi Simultan Ion Logam Pb(II) dan Cd(II)	Penelitian BPPTNBH FMIPA UGM	2016
19	Desain Molekuler Berbagai Senyawa Aktif Baru Berdasarkan Hasil Analisis QSAR Menggunakan metode MLR dan JST	Penelitian Hibah Kompetensi DIKTI	2015-2016
20	Adsorpsi Merkuri(Ii) oleh Abu Dasar Batubara Terimobilisasi Ligan Dithizon	Penelitian BOPTN FMIPA UGM	2015
21	Penghilangan Logam Berat berbahaya dalam Perairan dengan Adsorben Selektif Zeolit Terimobilisasi Dithizon yang Berasal dari Abu Dasar Batubara	Penelitian Stranas (DP2M-DIKTI)	2013-2014
22	Kajian Sektropolarimetri <i>Circular Dichroism</i> (CD) dan Denaturasi Termal ( $T_m$ ) Interaksi Zat Warna Kationik dengan DNA	Hibah Penelitian Fundamental (DP2M-DIKTI)	2011-2012
23	Kajian Spektroskopik Interaksi Zat Warna Kationik <i>Methyl Green</i> dengan <i>Calf-Thymus</i> DNA	Proyek PHKI-UGM	2010-2010
24	Penggunaan Biopolimer dan Zeolit Alam Terimobilisasi Dithizon sebagai Adsorben Selektif Ekstraksi Fasa Padat dan Pengisi Kolom Kromatografi pada Proses Prekonsentrasi dan Pemisahan Logam Berat Berbahaya	Penelitian Stranas (DP2M-DIKTI)	2009-2010
25	Termodinamika interaksi zat warna kationik dengan DNA	Hibah Kompetensi (DP2M-DIKTI)	2008-2010

#### X. KARYA ILMIAH (10 tahun terakhir) Buku/Jurnal/Makalah

No	Karya Ilmiah	Judul	Penerbit/Alamat Website Penerbit	Tahun
	<b>a. Buku</b>			
1		Kimia Analisis Instrumental (Diktat kuliah)	FMIPA UGM 2008	2008
2		Chapter dalam Buku "Bulaksumur Menggagas Kesejahteraan Sosial"	Purnagama, Impulse dan Kanisius, ISBN: 978-979-21-2432-3	2009

3		Chapter dalam Buku: "Dari Yogyakarta untuk Energi Indonesia: Pandangan dan Hasil Riset Pakar UGM di Bidang Energi"	PSE-UGM dan DigiBooks, ISBN: 978-602-97979-3-0	2010
4		"Adsorpsi dan katalisis oleh Material Berbasis Lempung Montmorilonit" (Editor)	Graha Ilmu, ISBN: 978-602-262-127-0	2014
5		Chapter "Menggali Makna Iqro" dalam Buku "Tadabbur Islam & Ilmu"	Mabda Kreasi, ISBN: 978-623-94298-0-5	2020
	<b>b. Jurnal</b>			
1		Generic QSPR study for predicting critical micelle concentration of gemini cationic surfactants using the online chemical modeling environment (OCHEM	<i>AIP Conference Proceedings 2349 (1), 020027</i>	2021
2		Zeta potential examination of $\beta$ -carotene encapsulated in starch-chitosan/tripoly-phosphate microparticles	<i>AIP Conference Proceedings 2349 (1), 020032</i>	2021
3		Adsorption of Methylene Blue Dye Using Biosorbents Based on Humic Acid Cross-Linked Cellulose"	<i>Key Engineering Materials 884, 47-53</i>	2021
4		Removal of Pb (II) Ion from Aqueous Solution Using Dithizone-Immobilized Natural Bentonite	<i>Key Engineering Materials 884, 10-16</i>	2021
5		Adsorption of Silver (I) on Dithizone-Immobilized Coal Fly Ash	<i>Key Engineering Materials 884, 17-24</i>	2021
6		In Silico Prediction of Betulinic Acid Derivatives' Cytotoxicity: Relationship between Topological Descriptors and CC50 Value	<i>Key Engineering Materials 884, 282-289</i>	2021
7		Molecular dynamics of cobalt protoporphyrin antagonism of the cancer suppressor REV-ERB $\beta$	<i>Molecules, 2021, 26(11), 3251</i>	2021
8		Eco-friendly immobilization of dithizone on coal bottom ash for the adsorption of lead(II) ion from water	<i>Results in Engineering, 2021, 10, 100221</i>	2021
9		QSAR modeling for predicting the antifungal activities of gemini imidazolium surfactants against <i>Candida albicans</i> using GA-MLR methods	<i>Journal of Applied Pharmaceutical Science, 2021, 11(4), pp. 022–027</i>	2021
10		QSAR-Based Design of The More Potent Betulinic Acid Derivatives as HIV Maturation Inhibitor	<i>Chiang Mai University Journal of Natural Sciences, 2021, 20(1), pp. 1–11</i>	2021
11		Solid-phase extraction of amoxicillin in aqueous system by using Mg-Al-oxalate Idh as a stationary phase	<i>Rasayan Journal of Chemistry, 2020, 13(4), pp. 2523–2529</i>	2020
12		Application of High Performance Liquid Chromatography Method for Triadimenol Analysis in Water Sample	<i>Journal of Physics: Conference Series, 2020, 1494(1), 012032</i>	2020

13		Synthesis of a new crosslinked Poly-Bisphenol A Diglycidyl Ether (Poly-BADGE) as a carrier in Phenol transport	<i>Kuwait J. Sci.</i> 47 (4) pp. 39-48	2020
14		Simultaneous Adsorption of Zn (II) and Hg (II) Ions on Selective Adsorbent of Dithizone-Immobilized Bentonite in the Presence of Mg (II) Ion	<i>Journal of Environmental Chemical Engineering</i> , 8 (4), 104002	2020
15		Synthesis, Characterization, and Stability Evaluation of $\beta$ -Carotene Encapsulated in Starch-Chitosan/Tripolyphosphate Matrices	<i>Indonesian Journal of Chemistry</i> , 20 (4), 929 – 940	2020
16		Determination of the optimum composition to produce minimum particle size of $\beta$ -carotene microencapsulated in acid hydrolyzed starch-chitosan/TPP (tripolyphosphate) matrices using Taguchi method	<i>AIP Conference Proceedings</i> 2237, 020043	2020
17		Green synthesis of silver nanoparticles using Kirinyuh ( <i>Chromolaena Odorata</i> ) leaf extract and their antibacterial activity against <i>Vibrio</i> sp.	<i>AIP Conference Proceedings</i> 2243 (1), 020031	2020
18		Permeability improvement of polyethersulfone-polyethylene glycol (PEG-PES) flat sheet type membranes by tripolyphosphate-crosslinked chitosan (TPP-CS) coating	<i>International Journal of Biological Macromolecules</i> , 152, pp. 633-644	2020
19		Adsorption of the anionic dye of congo red from aqueous solution using a modified natural zeolite with benzalkonium chloride	<i>Rasayan Journal of Chemistry</i> , 13(2), pp. 845-853	2020
20		Application of Quantitative Structure-Property Relationship (QSPR) Models for the Predictions of Critical Micelle Concentration of Gemini Imidazolium Surfactants	<i>IOP Conference Series: Materials Science and Engineering</i> , 742(1), 012022	2020
21		The preparation and characterization of Alginate–Chitosan membranes as solid support for BTB and urease entrapment	<i>Molekul</i> , 15(1), pp. 40-47	2020
22		A density-functional study of the conformational preference of acetylcholine in the neutral hydrolysis	<i>Molecules</i> , 25(3), 670	2020
23		Photocatalytic removal of Cu (II) in an aquatic solution using TiO <sub>2</sub> -chitosan nanocomposites	<i>Molekul</i> , 2020, 15(3), pp. 210–218	2020
24		Adsorption and characterization of Pb(II) ion onto porous adsorbent membrane (CC-PEC-BADGE-NA):	<i>Rasayan Journal of Chemistry</i> , 2020, 13(4), pp. 2325–2331	2020



		Kinetic, equilibrium and thermodynamic studies		
25		Adsorption of Pb(II) from aqueous solutions on dithizone-immobilized coal fly ash	<i>Key Engineering Materials</i> , 840 KEM, pp. 57-63	2020
26		Adsorption of Cu <sup>2+</sup> metal ions on dithizone-immobilized natural bentonite	<i>Key Engineering Materials</i> , 840 KEM, pp. 64-70	2020
27		Synthesis of glutaraldehyde-crosslinked carboxymethyl cellulose-polyvinyl alcohol film as an adsorbent for methylene blue	<i>Key Engineering Materials</i> , 840 KEM, pp. 35-42	2020
28		Adsorption of copper(II) on dithizone-immobilized coal fly ash	<i>Key Engineering Materials</i> , 840 KEM, pp. 48-56	2020
29		Immobilization of dithizone on natural bentonite as adsorbent of Cd(II) ion	<i>Key Engineering Materials</i> , 840 KEM, pp. 22-28	2020
30		Attenuated total reflectance-FTIR spectra combined with multivariate calibration and discrimination analysis for analysis of patchouli oil adulteration	<i>Indonesian Journal of Chemistry</i> , 20(1), pp. 1-8	2020
31		Photocatalytic activity of TiO <sub>2</sub> /SiO <sub>2</sub> prepared from silica contained in volcanic ash for ammonia removal	<i>Rasayan Journal of Chemistry</i> , 13(1), pp. 574-584	2020
32		Microwave-assisted synthesis of amikacin modified n,s co-doped carbon dots for escherichia coli detection	<i>Chemosensors</i> , 7(4),61	2019
33		Toxicity test of desorbed chromium from polluted soil around tannery industry in Yogyakarta-Indonesia by using brassica juncea and helianthus annuus L.	<i>Molekul</i> , 14(2), pp. 157-164	2019
34		Copoly Eugenol Crosslinked Dialylphthalate 8% as a Carrier in Phenol and Pb(II) Metal Transport	<i>Journal of Physics: Conference Series</i> , 1338(1),12004	2019
35		The transition state conformational effect on the activation energy of ethyl acetate neutral hydrolysis	<i>Heliyon</i> , 5(9), e02409	2019
36		Kinetic and thermodynamic biosorption of Pb(II) by using a carboxymethyl chitosan-pectin-BADGE-Pb(II)-imprinted ion polymer adsorbent,	<i>Bulletin of Materials Science</i> , 42(4),143	2019
37		Study of chromium desorption from polluted soil around tannery industry: Effect of low molecular weight organic acid (LMWOA)	<i>Rasayan Journal of Chemistry</i> , 12(3), pp. 1279-1286	2019
38		Synthesis and characterization of co-edaf and its application test as a carrier membrane for phenol	<i>Research Journal of Chemistry and Environment</i> , 23(5), pp. 1-9	2019

		transport using polymer inclusion membrane (PIM)		
39		Ion Exchange of Benzoate in Ni-Al-Benzoate Layered Double Hydroxide by Amoxicillin	<i>Open Chemistry</i> , 17(1), pp. 1043-1049	2019
40		Docking of new designed compounds derived from 1,6-dihydro-1,3,5-triazine-2,4-diamine toward quadruple mutant plasmodium dihydrofolate reductase	<i>Indonesian Journal of Chemistry</i> , 19(3), pp. 777-785	2019
41		Adsorption and photodegradation of cationic and anionic dyes by TiO <sub>2</sub> - chitosan nanocomposite	<i>Indonesian Journal of Chemistry</i> , 19(2), pp. 441-453.	2019
42		Inhibitive determination of Hg(II) in aqueous solution using urease amperometric biosensor	<i>Indonesian Journal of Chemistry</i> , 19(3), pp. 786-795	2019
43		Chitosan-pectin-stearic acid film for controlled-release of curcumin	<i>Materials Science Forum</i> 948 MSF, pp. 69-77	2019
44		Polyelectrolyte complex (PEC) of the alginate-chitosan membrane for immobilizing urease	<i>Journal of Mathematical and Fundamental Sciences</i> , 51(3), pp. 309-319	2019
45		Colorimetric sensing of Pb <sup>2+</sup> ion by using Ag nanoparticles in the presence of dithizone	<i>Chemosensors</i> , 7(3), 28	2019
46		Preparation and characterization adsorbent based on zeolite from Klaten, Central Java, Indonesia	<i>Journal of Physics Conference Series</i> 1156:012002	2019
47		Preliminary study on microprecipitation of $\beta$ -carotene in starch/chitosan/TPP (tripolyphosphate) matrices: Effects of weight ratio of starch/chitosan	<i>AIP Conference Proceedings</i> 2049 (1), 020045	2018
48		Heavy Metal Removal from Aqueous Solution Using Biosurfactants Produced by <i>Pseudomonas aeruginosa</i> with Corn Oil as Substrate	<i>Indonesian Journal of Chemistry</i> 18 (3), 472	2018
49		Modified Silica Adsorbent from Volcanic Ash for Cr (VI) Anionic Removal	<i>Indonesian Journal of Chemistry</i> 18 (3), 428.	2018
50		Desain Senyawa Turunan Karbamat Sebagai Insektisida Baru Menggunakan Metoda In Silico	<i>Elkawnie</i> 3 (1)	2018
51		Analisis HKSA Senyawa Antidiabetik Turunan Triazolopiperazin Amida Menggunakan Metode Semiempirik PM3	<i>ALCHEMY: Journal of Chemistry</i> 5 (4), 106-113	2018
52		Prediction of High Performance Liquid Chromatography Retention Time for Some Organic Compounds Based on Ab initio QSPR Study	<i>Acta Chimica Asiana</i> 1 (1), 24-29	2018

53		Adsorption of Cd(II) Metal Ion on Adsorbent beads from Biomass Saccharomyces cereviceae - Chitosan	<i>IOP Conf. Series: Journal of Physics: Conf. Series 954, 012020</i>	2018
54		Synthesis and Characterization Pectin-Carboxymethyl Chitosan crosslinked PEGDE as biosorbent of Pb(II) ion	<i>IOP Conference Series: Materials Science and Engineering 299, 012052</i>	2018
55		Chitosan-Tripoly Phosphate (CS-TPP) Synthesis Through Cross-linking Process: the Effect of Concentration Towards Membrane Mechanical Characteristic and Urea Permeation	<i>Oriental Journal of Chemistry 33 (6), 2913-2919</i>	2017
56		Investigation on the Effect of Addition of Fe 3+ Ion into the Colloidal AgNPs in PVA Solution and Understanding Its Reaction Mechanism	<i>Indonesian Journal of Chemistry 17 (3), 439-445</i>	2017
57		The Effect of pH and Aging Time on the Synthesis of TiO <sub>2</sub> -Chitosan Nanocomposites as Photocatalyst by Sol-Gel Method at Room Temperature	<i>Molekul 12 (2), 117</i>	2017
58		Quantitative Structure-Activity Relationship Analysis of Organophosphate Insecticides Using Electronic and Molecular Parameters	<i>Makara Journal of Science, 131-135</i>	2017
59		Kinetics And Isotherm Studies Of Pb(II) Imprinted Carboxymethyl Chitosan-Pectin-Pegde	<i>Jurnal Teknologi 79 (6), 141-147</i>	2017
60		Optical chemical sensor of Cd(II) in water based on 1-(2-pyridylazo)-2-naphthol immobilized on poly(methyl methacrylate) and 2-nitrophenyl octyl ether matrix	<i>Malaysian Journal of Analytical Sciences, 21 (4), 784-792</i>	2017
61		PAN-Immobilized PVC-NPOE Membrane for Environmentally Friendly Sensing of Cd (II) Ions	<i>Indonesian Journal of Chemistry 17 (1), 1-6</i>	2017
62		Preparation of Pb(II)-Carboxymethyl Chitosan Pec PEGDE Film as Selective Asorbent for Removal Pb(II) Ion.	<i>Oriental Journal of Chemistry 33 (1), 148-156</i>	2017
63		Preparation of TiO <sub>2</sub> photocatalyst with the matrix of palm wood ( Arenga pinnata) waste in the photo-degradation of batik wastewater	<i>IOP Conf. Series: Journal of Physics: Conf. Series 795, 012064</i>	2017
64		Surface Morphology of Fe (III)-Porphyrin Thin Layers as Characterized by Atomic Force Microscopy.	<i>Indonesian Journal of Chemistry 16 (3), 233-238</i>	2016
65		Preparation of Citric Acid Crosslinked Chitosan/Poly (Vinyl	<i>Indonesian Journal of Chemistry 16 (2), 144-150</i>	2016

		Alcohol) Blend Membranes for Creatinine Transport.		
66		Concentration dependence of surface roughness in spin-coated Fe-porphyrin layer	<i>AIP Conference Proceedings 1755 (150018)</i>	2016
67		Adsorption of Cd (II) Metal Ion on Adsorbent beads from Biomass <i>Saccharomyces cereviceae</i> -Chitosan.	<i>Proceedings of ICMSTEA, Makassar, Indonesia, 3rd-4th October 2016</i> 2016, 1 (1), 490-497.	2016
68		Electrical characteristic of spin coated Fe-Porphyrin on Cu substrates.	<i>AIP Conference Proceedings 1746 (020008)</i>	2016
69		Effect of sulfuric acid concentration of bentonite and calcination time of pillared bentonite.	<i>AIP Conference Proceedings 1725 (020042)</i>	2016
70		Preparation and characterization Al <sup>3+</sup> -bentonite Turen Malang for esterification fatty acid (palmitic acid, oleic acid and linoleic acid)	<i>AIP Conference Proceedings 1718 (1), 070001</i>	2016
71		The preparation of polyelectrolyte complexes carboxymethyl chitosan (CMC)-pectin by reflux method as a Pb (II) metal ion adsorbent	<i>AIP Conference Proceedings 1710 (1), 030021</i>	2016
72		Adsorption Properties of Mercury(II) on Dithizone-Immobilized Natural Zeolite	<i>Journal of Environmental Chemical Engineering, 4 (2016) 1839-1849</i>	2016
73		In vitro hemocompatibility of PVA-alginate ester as a candidate for hemodialysis membrane	<i>International Journal of Biological Macromolecules 82, 48-53 (Elsevier)</i>	2016
74		Glutaraldehyde-Crosslinked Chitosan-Pectin Nanoparticles As A Potential Carrier For Curcumin	<i>International Journal of Drug Delivery 12/2015; 7(3).DOI:10.5138/ijdd.v7i3.1775 (Scopus)</i>	2015
75		Preparation and Pb (II) Adsorption Properties of Crosslinked Pectin-Carboxymethyl Chitosan Film	<i>Indonesian Journal of Chemistry 15 (3), 248-255 (Scopus)</i>	2015
76		Removal of Toxic Metal Ions in Water by Photocatalytic Method	<i>American Chemical Science Journal 5 (2), 194-201</i>	2015
77		Biosorption of Pb(II) Ion by Crosslinked Pectin-CMC with BADGE (Bisphenol A Diglycidyl Ether) through Reflux Method	<i>International Journal of Environmental Science and Development 6 (1), 77-82</i>	2015
78		Chitinolytic Bactery Activity Isolated from The Mud Fields	<i>Journal Of Biological Researches 15 (2), 107-111</i>	2014
79		Photocatalytic Decolorization Study of Methyl Orange by TiO <sub>2</sub> -Chitosan Nanocomposites	<i>Indonesian Journal of Chemistry 14 (3), 209-218. (Scopus)</i>	2014

80		Modification of Turen Bentonite with $\text{AlCl}_3$ for Esterification of Palmitic Acid	<i>Bulletin of Chemical Reaction Engineering &amp; Catalysis</i> 9 (1), 66-73 (Scopus)	2014
81		QSAR Study of Insecticides of Phthalamide Derivatives using Multiple Linear Regression and Artificial Neural Network Methods	<i>Indonesian Journal of Chemistry</i> 14 (1), 94-101 (Scopus).	2014
82		Design of new potent insecticides of organophosphate derivatives based on QSAR analysis	<i>Indonesian Journal of Chemistry, Vol. 13, No. 1</i> (Scopus).	2013
83		Permeability of urea in N-carboxymethyl chitosan-poly(vynilalcohol) blend membranes for hemodialysis	<i>Intenational Journal of Chemical Engineering and Application, Vol. 4, No. 4, p. 229.</i>	2013
84		The influence of PVA.c.I.citric acid/chitosan membrane hydrophilicity on the transport of creatinine and urea	<i>Indonesian Journal of Chemistry, Vol. 13, No. 3, 262-270.</i> (Scopus).	2013
85		The synthesis of carboxymethyl chitosan-pectin film as adsorbent for lead(II) metal	<i>Intenational Journal of Chemical Engineering and Application, Vol. 4, No. 4, p. 229.</i>	2013
86		Development of Uric Acid Sensor Based on Molecularly Imprinted Polymethacrylic Acid-Modified Hanging Mercury Drop Electrode	<i>Journal of Chemistry and Chemical Engineering, 6 (3), 2012, 209-214.</i>	2012
87		Potential antifungal of chitinolytic bacteria pseudomonas sp TNH54 from mud field	<i>Research Journal of Pharmaceutical, Biological and Chemical Sciences, 3 (3), 1117.</i>	2012
88		Immobilization of <i>Saccharomyces cereviceae</i> biomass on chitosan and its application as an adsorbent for Pb(II) ion	<i>Indonesian Journal of Chemistry, Vol. 11, No. 2</i> (Scopus).	2011
89		Spectroscopic Studies on Thermodynamic and Thermal Denaturation of the ct-DNA Binding of Methylene Blue (Elsevier)	<i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 77 (2010) 528</i> (Elsevier)	2010
90		Influence of cyanide on removal of copper ion from the solution by photocatalytic reduction method with $\text{TiO}_2$ suspension	<i>Indonesian Journal of Chemistry, Vol. 10, No. 1</i>	2010
91		Enhancement of the sensitivity and selectivity of the voltametric sensor for uric acid using molecularly imprinted polymer	<i>Indonesian Journal of Chemistry, Vol. 10, No. 3</i>	2010

**XI. KONFERENSI DAN SEMINAR (10 tahun terakhir)**

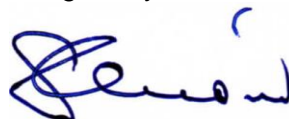
No	Judul Kegiatan	Penyelenggara	Panitia/Peserta/ Pembicara	Tahun
	<i>The 7<sup>th</sup> International Conference on Science and Technology, Yogyakarta-Indonesia, September 2021</i>	Gadjah Mada University	Pembicara ( <i>online conference</i> )	2021 (Schedule)
	<i>The 6<sup>th</sup> International Conference on Science and Technology, Yogyakarta-Indonesia, 7-8 September 2020</i>	Gadjah Mada University	Pembicara ( <i>online conference</i> )	2020
	<i>The 2nd International Conference of Polymeric and Organic Materials, Yamagata-Japan, 17-20 Desember 2019</i>	Yamgata University, Japan	Invited speaker	2019
	<i>International Conference on Chemical Sciences (ICCS), Yogyakarta-Indonesia, 16-17 September 2019</i>	Gadjah Mada University and Hiroshima University	Keynote Speaker	2019
	<i>The 8th International Conference of Indonesian Chemical Society (ICICS), Bogor-Indonesia, 7-8 September 2019</i>	Indonesian Chemical Society (ICS)	Pembicara	2019
1	<i>International Conference on Ion Exchange (ICIE-2018), Yogyakarta, Indonesia, September 10-13, 2018.</i>	Japan Society for Ion Exchange (JSIE)	Pembicara	2018
2	<i>6th Asian Network for Natural and Unnatural Materials (ANNUM VI), Gifu, Japan, 27-28 July 2018</i>	Gifu University, Gifu, Japan	Invited speaker	2018
3	<i>International Conference of Indonesian Chemical Society (ICICS-2017), Palembang-Indonesia, 29-31 August 2017</i>	Sriwijaya University- Indonesian Chemical Society	Pembicara (2 makalah)	2017
4	<i>International Conference of Indonesian Chemical Society (ICICS-2016), Samarinda-Indonesia, 29-31 August 2016</i>	Mulawarman University- Indonesian Chemical Society	Pembicara (2 makalah)	2016
5	<i>World Chemistry Congress, Busan-Korea, August 9-14, 2015</i>	International Union of Pure and Applied Chemistry (IUPAC )	Pembicara (2 makalah)	2015
6	<i>International Conference on Ion Exchange (ICIE-2014), Okinawa, Japan November 9-11, 2014.</i>	Japan Society for Ion Exchange (JSIE)	Pembicara (2makalah)	2014
7	<i>International Conference of Indonesian Chemical Society, Ambon, Indonesia 15-17 September 2014</i>	Indonesian Chemical Society (Himpunan Kimia Indonesia: HKI)	Keynote Speaker	2014

8	<i>Seminar Nasional Penelitian, Pendidikan Dan Penerapan MIPA, 18 Mei 2013</i>	FMIPA-UNY, Yogyakarta	Keynote speaker	2013
9	<i>33<sup>rd</sup> Internasional Conference on Solution Chemistry (ICSC-33) 7-12 Juli 2013.</i>	Kyoto University, Japan	Pembicara (2 makalah)	2013
10	<i>Seminar Nasional Kimia 2012: Inovasi dalam Penelitian Kimia dan Pendidikan Kimia Untuk Menciptakan Kemandirian Bangsa</i>	Universitas Negeri Surabaya	Keynote speaker	2012
11	<i>Seminar Nasional Kimia dan Pendidikan Kimia 2012</i>	Universitas Negeri Sebelas Maret, Surakarta	Keynote speaker	2012
12	<i>The 2nd International Conference On Computational Science And Technology 09-11 July 2012</i>	Nigde University, Nigde-Turkey	Invited speaker	2012
13	<i>Seminar Nasional HKI Cabang Kaltim, 20 Oktober 2012</i>	HKI Cabang Samarinda, Kaltim	Keynote speaker	2012
14	<i>Seminar Himpunan Kimia Indonesia (HKI), 18-19 Juli 2011</i>	Universitas Riau, Pekanbaru	Pembicara	2011
15	<i>The 2nd International Conference on Sustainable Future for Human Security (Sustain-2011), 8-9 October 2011,</i>	Kyoto University, Japan	Pembicara	2011
16	<i>11th Eurasia Conference on Chemical Sciences, The Dead Sea –Jordan 6-10 October 2010,</i>	Jordan University, Amman-Jordan	Pembicara oral	2010
17	<i>2nd International Conference on Chemical Sciences (ICCS-2), 14-16 October 2010</i>	Gadjah Mada University, Yogyakarta	Pembicara	2010

Saya menyatakan bahwa semua keterangan dalam daftar riwayat hidup ini adalah benar.

Yogyakarta, 29 Juli 2021

Yang menyatakan,



(Prof. Drs. Mudasir, M.Eng., Ph.D.)

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