

Curriculum Vitae

A. Identitas Diri

1	Nama Lengkap (dengan gelar)	Akhmad Sabarudin (Prof., Dr. Sc.)
2	Jabatan Fungsional	Guru Besar Kimia Analitik dan Material
3	Jabatan Lain Non Struktural	Sekretaris Pusat Publikasi Ilmiah dan Ketahanan Jurnal (PPIKJ) – LPPM UB, dan Wakil Ketua World Class University Program UB
4	NIP/NIK/Identitas lainnya	197404181997021001
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7	Alamat Rumah	Jl. Cucak Rawun Raya 8B-14 Sawojajar II Malang 65154
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9	Alamat Kantor	Departemen Kimia, F.MIPA Universitas Brawijaya Jl. Veteran, Malang
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12	Lulusan yang Telah Dihasilkan	S-1 > 70 orang; S-2 > 35 Orang; S-3 > 12 Orang
13	Mata Kuliah yang diampu	<ol style="list-style-type: none">1. Monolithic Chromatography (S3)2. Teknik Analisis Mutakhir (S3)3. Kimia Material Fungsional (S3)4. Nanomaterial (S2)5. Teknik Analisis Modern (S2)6. Instrumentasi dan Pemisahan Kimia (S2)7. Biomaterial (S2)8. Teknik Pengukuran Analitik (S2)9. Kimia Polimer Lanjut (S2)10. Teknik Pemisahan Analitik (S1)11. Dasar Elektrokimia dan Pemisahan (S1)12. Kimia Analisis Instrumentasi (S1)
14	H-Index Scopus	23
15	Scopus ID	8309973500

B. Riwayat Pendidikan

	(1) S-1	(2) S-2	(3) S-3	(4) Post-doct
Nama Perguruan Tinggi	Universitas Brawijaya, Malang	Okayama University, Japan	Okayama University, Japan	Ecotopia Science Institute, Nagoya University, Japan
Bidang Ilmu	Kimia	Chemistry and Biology	Molecular and Material Science	Nanomaterial Science
Tahun Masuk-Lulus	1992-1996	2002-2004	2004-2007	2010-2012
Judul Skripsi/ Thesis/ Disertasi /karya ilmiah	Aktivasi arang tempurung kelapa dengan NaCl dalam reactor terfluidisasi	Development of sensitive analytical methods for nonmetallic elements analyses in water samples and their collection/concentration using newly synthesized chitosan-Based resins	Studies on novel collection/concentration resins for trace elements using chitosan as polymer base and their analytical applications	The development of monolithic micro-extraction system for online collection/concentration of trace elements: the study on the substances circulation in hydrosphere
Nama Pembimbing/ Promotor	Dr. Ir. Uswatun Hasanah, M.Si	Prof. Shoji Motomizu	Prof. Shoji Motomizu	Prof. Tomonari Umemura

C. Pengalaman Penelitian

No	Tahun	Judul Penelitian	Pendanaan	
			Sumber	Jml (Juta Rp)
1	2008-2009	Pembuatan reseptor selektif terhadap kreatinin berbasis kitosan (ketua)	RISTEK	500
2	2009	Pengembangan Detektor On-line Berbasis Sensor Kationik dan Anionik Untuk Monitoring Polutan Lingkungan Secara Otomatis (anggota)	DIKTI	252
3	2009	Rancang bangun reaktor depolimerisasi biomass menjadi minyak bahan bakar kasar (crude biofuel) dengan menggunakan metode perangkap suhu (anggota)	DIKTI	100
4	2010-2011	Development of active polymer monolith for promoting omics research (anggota)	JSPS	1079
5	2010 s/d 2012 (2 tahun)	Development of monolithic microextraction system for on-line collection/ concentration of trace element : study on the substances circulation in the hydrosphere (ketua)	JSPS	1004
6	2013 s/d 2014 (2 tahun)	Pengembangan Portable QCM Immunosensor dan Peningkatan Efektifitas Immobilisasi melalui ikatan Kovalen: Immunosensor untuk Deteksi DM (Anggota)	DIKTI	238,54

7	2013 s/d 2014 (2 tahun)	Deteksi DNA Termetilasi dan <i>Single Nucleotide Polymorphism</i> Berbasis Teknologi Monolith Untuk Deteksi Dini Kanker Secara Cepat dan Akurat (Ketua)	DIKTI	435
8	2015 s/d 2016 (2 tahun)	Sensitivity Enhancement of QCM Sensor through Surface Etching as a Basis for High Sensitive Immunosensor for GAD65 Detection (Anggota)	Kemeristekdikti	320
9	2015 s/d 2016 (2 tahun)	Profiling dan Deteksi Fosfopeptida Dari Serum Secara Akurat Menggunakan Immobilized Metal-ion Affinity Chromatography (IMAC) Berbasis Teknologi Monolith (Suatu Metode Untuk Menemukan Biomarker Suatu Penyakit) (Ketua)	Kemeristekdikti	500
10	2016 (tahun ke-1)	Pembuatan Kitosan-Fe ₃ O ₄ Superparamagnetik Nanopartikel: Karakteristik dan Kajian Potensinya Sebagai Kandidat <i>Drug Delivery Biomaterial</i> (Ketua)	Kemeristekdikti	239
11	2017 (tahun ke-2)	Pembuatan Kitosan-Fe ₃ O ₄ Superparamagnetik Nanopartikel: Karakteristik dan Kajian Potensinya Sebagai Kandidat <i>Drug Delivery Biomaterial</i> (Ketua)	Kemeristekdikti	250
12	2017 (tahun ke-2)	Pengembangan QCM Biosensor dengan Micro Patterning Lapisan Matrik Immobilisasi untuk Piranti Diagnostik (Anggota)	Kemeristekdikti	271.8
13	2017 (tahun ke-1)	Multimodal/Mixed-Mode Drug Delivery System berbasis Nanopartikel Fe ₃ O ₄ -Protein (Ketua)	Kemeristekdikti	200
14	2018 (tahun ke-1)	Pengembangan Ti ⁴⁺ -IMAC Monolith Dalam Polypropylene Tip Untuk Analisis Peptida Terfosforilasi Dalam Sampel Biologi Secara Selektif, Cepat dan Akurat (Ketua)	Kemeristekdikti	109.5
15	2018 (tahun ke-1)	Pengembangan Teknologi Pemurnian senyawa enansiomer berbasis monolit polimer organik termodifikasi sebagai upaya penyediaan bahan baku obat. (Anggota)	Kemeristekdikti	203.7
16	2018 (tahun ke-1)	Pengembangan Silika yang Diekstraksi dari Pasir Alam Pulau Timor-NTT dengan Kitosan (Silika-Kitosan) dan Merkaptto (Silika-Merkaptto) serta Aplikasinya Sebagai Adsorben Ion Logam Berat Bivalen (Ketua Tim Mitra)	Kemeristekdikti	130
17	2018 (tahun ke-2)	Multimodal/Mixed-Mode Drug Delivery System berbasis Nanopartikel Fe ₃ O ₄ -Protein (Ketua)	Kemeristekdikti	180
18	2019 (tahun ke- 2)	Pengembangan Ti ⁴⁺ -IMAC Monolith Dalam Polypropylene Tip Untuk Analisis Peptida Terfosforilasi Dalam Sampel Biologi Secara Selektif, Cepat dan Akurat (Ketua)	Kemeristekdikti	151
19	2019 (tahun ke- 2)	Pengembangan Silika yang Diekstraksi dari Pasir Alam Pulau Timor-NTT dengan Kitosan (Silika-Kitosan) dan Merkaptto (Silika-Merkaptto) serta Aplikasinya Sebagai Adsorben Ion Logam Berat Bivalen (Ketua Tim Mitra)	Kemeristekdikti	135.9

20	2019, (Tahun ke-1)	Paper-based Hepatitis B Virus Electrochemical Immunosensors using AgNPs enhancement (Principal Investigator – Indonesian side) (coordinator of Indonesian side)	SEA-EURO-JFS (European Union)/DIKTI	280
21	2019, (Tahun ke-1)	Utilisasi Gold Nanoparticle Pada Microfluidic Paper-based Analytical Device (GNP- μ PAD) Untuk Penentuan Kadar Cystatin C: Pembuatan Smart Diagnostic Device Sebagai Upaya Deteksi Dini Penurunan Fungsi Ginjal (Ketua)	Kemeristekdikti	200
22	2019, (Tahun ke-1)	Pembuatan Monolith Nanopori dengan Teknik Molecularly Imprinted Polymer Menggunakan Porogen Ionic Liquid Untuk Pemisahan Senyawa Enansiomer Sebagai Upaya Penyediaan Bahan Baku Obat (Ketua)	Kemeristekdikti	165
23	2019 (Tahun ke-1)	Green Synthesis Nanopartikel Perak (AgNP) dan Tembaga (CuNP) Menggunakan Bioreduktor Ekstrak Buah Piper retrofractum: Karakteristik dan Kajian Potensinya Sebagai Kandidat Antibakteri (Ketua)	Kemeristekdikti	118.5
24	2020, (tahun ke-2)	Paper-based Hepatitis B Virus Electrochemical Immunosensors using AgNPs enhancement (Principal Investigator – Indonesian side) (coordinator of Indonesian side)	SEA-EURO-JFS (European Union)/DIKTI	211
25	2020 (Tahun ke-2)	Utilisasi Gold Nanoparticle Pada Microfluidic Paper-based Analytical Device (GNP- μ PAD) Untuk Penentuan Kadar Cystatin C: Pembuatan Smart Diagnostic Device Sebagai Upaya Deteksi Dini Penurunan Fungsi Ginjal (Ketua)	Kemeristekdikti	137
26	2020 (Tahun ke-2)	Green Synthesis Nanopartikel Perak (AgNP) dan Tembaga (CuNP) Menggunakan Bioreduktor Ekstrak Buah Piper retrofractum: Karakteristik dan Kajian Potensinya Sebagai Kandidat Antibakteri (Ketua)	Kemeristekdikti	118.5
27	2021 (Tahun ke-2)	Pembuatan Monolith Nanopori dengan Teknik Molecularly Imprinted Polymer Menggunakan Porogen Ionic Liquid Untuk Pemisahan Senyawa Enansiomer Sebagai Upaya Penyediaan Bahan Baku Obat (Ketua)	Kemeristekdikti	162
28	2021	Identifikasi, uji aktivitas dan isolasi senyawa bioaktif pada tanaman anting-anting (<i>Acalypha indica</i> Linn) melalui pendekatan metabolomik (LS-MS dengan analisis principal component regression dan partial least square) (Ketua)	WCU UB	50

29	2021 (Tahun ke-1)	Point of Care Berbasis Microfluidic Paper-Based Analytical Devices Untuk Deteksi Rasio Albumin-Kreatinin Secara Kuantitatif: Diagnostik Cepat Nefropati (μ PADs-RAK) (Ketua)	LPDP	1300
30	2021 (Tahun ke-1)	Development and application of stingless bee honey as bio-based active film packaging for food and nutrition security strategy (Coordinator of Indonesian side)	SEARCA	50
31	2021 (tahun ke- 3)	Paper-based Hepatitis B Virus Electrochemical Immunosensors using AgNPs enhancement (Principal Investigator – Indonesian side) (coordinator of Indonesian side)	SEA-EURO-JFS (European Union)/DIKTI	190
32	2022 (Tahun ke-3)	Pembuatan Monolith Nanopori dengan Teknik Molecularly Imprinted Polymer Menggunakan Porogen Ionic Liquid Untuk Pemisahan Senyawa Enansiomer Sebagai Upaya Penyediaan Bahan Baku Obat (Ketua)	Kemeristekdikti	159
33	2022	Proteksi Polyunsaturated Fatty Acids dalam Rumen Menggunakan Polyphenol Oxidase Hasil Ekstraksi Tanaman Pakan Ternak (Ketua)	Kemendikbudristek	50
34	2022 (Tahun ke-2)	Point of Care Berbasis Microfluidic Paper-Based Analytical Devices Untuk Deteksi Rasio Albumin-Kreatinin Secara Kuantitatif: Diagnostik Cepat Nefropati (μ PADs-RAK) (Ketua)	LPDP	1000
35	2022 (Tahun ke-2)	Development and application of stingless bee honey as bio-based active film packaging for food and nutrition security strategy (Coordinator of Indonesian side)	SEARCA	50
36	2022 (Tahun ke-1)	Sensor Quartz Crystal Microbalance dengan lapisan Metakrilat sebagai Hidung Elektronik untuk Aroma Kopi (Anggota)	Kemendikbudristek	220
37	2022 (tahun ke-1)	Capaian penyembuhan diri (self-healing) perkerasan lentur aspal buton Lawele (anggota)	Kemendikbudristek	50
38	2022	Pengembangan green analytical techniques berbasis flow analysis untuk penentuan aluminium dalam produk farmasi dan deteksi dini alzheimer menggunakan pereaksi alami ekstrak bunga lengkuas merah	Hibah kerjasama penelitian internasional (HAPKI)	110

39	2022	Modifikasi elektrods glassy karbon dengan kitosan-Fe ₃ O ₄ Untuk deteksi kafein secara voltametri	DPP/SPP - UB	10.5
40	2022	Strengthening and Expansion of the International Research Network on Microfluidic Analytical Technology	NRCT- Thailand	900
41	2023	Pengaruh profil metallonomics terhadap risiko penuaan sistem imun (immunosenescence) geriatri di Indonesia (Anggota)	HPU-UB	150
42	2023 (Tahun ke-3)	Point of Care Berbasis Microfluidic Paper-Based Analytical Devices Untuk Deteksi Rasio Albumin-Kreatinin Secara Kuantitatif: Diagnostik Cepat Nefropati (μ PADs-RAK) (Ketua)	LPDP	800
43	2023 (Tahun ke-2)	Sensor Quartz Crystal Microbalance dengan lapisan Metakrilat sebagai Hidung Elektronik untuk Aroma Kopi (Anggota)	Kemendikbudristek	285
44	2023 (tahun ke-1)	3D-Connector Microfluidic Paper Based Analytical Devices (3D- μ PADs) melalui Utilisasi Nanopartikel Emas sebagai Point of Care Testing (POCT) Untuk Deteksi Cepat Nefropati (ketua)	CoE - UB	100
45	2023 (tahun ke-1)	Pengaruh Penuaan Sistem Imun, Defisiensi Zinc, dan Magnesium terhadap Respons Imun Geriatri Pasca Vaksinasi COVID-19 (anggota)	Kemendikbudristek	60
46	2023	3D-Connector Microfluidic Paper Based Analytical Devices (3D- μ PADs) melalui Utilisasi Nanopartikel Emas sebagai Point of Care Testing (POCT) Untuk Deteksi Cepat Nefropati (ketua)	CoE-UB	100
47	2023 (tahun ke-1)	Deteksi Cepat Glukosa Dalam Urin Secara Non Enzimatis Melalui Pembentukan Nanopartikel Perak Pada Microfluidic Paper Based Analytical Devices (μ PADs) (Ketua)	Penguatan Ekosistem Riset GB - UB	100
48	2023	Sintesis dan pembentukan biokomposit hydroxy apatite (HAP) dengan matriks resin UV menggunakan metode pencetakan tiga dimensi (3D) (Anggota)	Hibah Pusat Penelitian - UB	60
49	2023	Biosintesis nanoparticle perak menggunakan bioreduktor madu sebagai formulasi dalam pembuatan non-alcoholic hand gel sanitizer	DPP/SPP UB	10.5

50	2023 (tahun ke-2)	Capaian penyembuhan diri (self-healing) perkerasan lentur aspal buton Lawele (Anggota)	Kemendikbud-ristek	59
51	2022 – 2024	Mobility program International Research Network Center of Excellence for Innovation in Chemistry	PERCH-CIC, Thailand	4400
52	2024 (tahun ke-2)	Deteksi Cepat Glukosa Dalam Urin Secara Non Enzimatis Melalui Pembentukan Nanopartikel Perak Pada Microfluidic Paper Based Analytical Devices (μ PADs) (Ketua)	Penguatan Ekosistem Riset GB - UB	128
53	2024-2028	Microplastic Pollution and health study in Indonesia (MIPA-Indonesia)	National Institute for Health and Care Research (NIHR)	35000
54	2024	Biosintesis Nanopartikel Perak dengan Bioreduktor Ekstrak Tanaman Anting-Anting (<i>Acalypha Indica</i> Linn) Termodifikasi Kitosan: Evaluasi Aktivitas Antikanker Pada Sel T47d Secara In Silico dan In Vitro	HPU - UB	132

D. Pengalaman Pengabdian Masyarakat

No	Tahun	Judul Pengabdian Kepada Masyarakat	Pendanaan	
			Sumber	Jml (Juta Rp)
1	2013	Penyuluhan tentang cara pengujian sederhana kualitas air minum pada masyarakat di Desa Sumberagung, Kecamatan Gandusari, Kabupaten Blitar	DPP/SPP	6
2	2014	Pelatihan Metode Analisis Kimia Secara Otomatis Menggunakan Sequential Injection Analysis (SIA) Dengan Detektor Kolorimeter Sederhana Bagi Guru-Guru Kimia di Kota Malang	DPP/SPP	8.3
3	2015	Tanaman Lokal Serta Pengenalan Metode Sintesis Senyawa Sederhana Berbahan Dasar Vanilin kepada Guru Kimia Tingkat SMA Kabupaten Malang di SMA Negeri Kepanjen	DPP/SPP	12
4	2015 s/d 2016 (2 tahun)	IbPE Kerajinan Bunga Kering dari Klobot Jagung di Wilayah Kabupaten dan Kota Malang	DIKTI	200
5	2017	Pelatihan Pembuatan Kertas Indikator pH Menggunakan Ekstrak Kubis Ungu	DPP/SPP	5.8
6	2018	Pengembangan Model Kelembagaan BUMDES Desa Tamansari Dalam Percepatan Pembangunan Kawasan Pedesaan Agrowisata Kabupaten Banyuwangi	UB	100
7	2019	Sosialisasi teknologi penjernihan air berbasis produk local di desa Kedungbanteng Kecamatan Sumbermanjing Wetan Kabupaten Malang	DPP/SPP	6
8	2020	Pemberdayaan Badan Usaha Milik Desa (BUMDES) di Desa Sumbersekar, Kecamatan Dau, Kabupaten Malang menuju Desa Mandiri Ekonomi	UB	35

9	2021	Pengenalan Pembuatan Hand Sanitizer dan Disinfektan Alami Pada Masyarakat Desa Sawentar Kecamatan Kanigoro Kabupaten Blitar Dalam Upaya Pencegahan Covid-19	DPP/SPP	6
10	2022	Pengenalan Metode Analisa Kuantitatif Konvensional untuk Analisis Parameter Air kepada Perkumpulan Pendidik Sains Kimia Indonesia (PPSKI)	DPP/SPP	7.5
11	2023	Pengenalan Metode Praktis Pemanfaatan Minyak Goreng Bekas Untuk Bahan Pembersih Rumah Tangga di Kelurahan Tunjungsekar Kecamatan Lowokwaru Kota Malang	DPP/SPP	8
12	2023	Scientist of UB Goes to Schools” dan Scientist of UB Goes to Village	Mandiri	20

E. Pengalaman Penulisan Artikel Ilmiah Dalam Jurnal (H-Index Scopus 23, WoS 21, Google Scholar 29)

No	Tahun	Judul	Vol/Nomor	Nama Jurnal
1	2003	Ultratrace determination of phosphorus in ultrapurified water by a slope comparison method	481/ 311-319	Analytica Chimica Acta
2	2003	Novel flow injection-fluorometric method for the determination of trace silicate and its application to ultrapurified water analysis	60/ 1277-1285.	Talanta
3	2003	Estimation of metal impurities in high-purity nitric acids used for metal analysis by inductively coupled plasma-mass spectrometry.	19/1561-1563	Analytical Sciences
4	2004	Synthesis of imino(methylphosponic acid)-type chitosan resin and its adsorption behavior for trace metals.	53/1039-1043	Bunseki Kagaku
5	2005	On-line preconcentration using dual mini-columns for the speciation of chromium(III) and chromium(VI) and its application to water samples as studied by inductively coupled plasma-atomic emission spectrometry.	53/1039-1043	Talanta
6	2005	Slope comparison method (SCM) for the determination of trace amounts of silicate in ultrapurified water.	532/ 27-35	Analytica Chimica Acta
7	2005	Synthesis of cross-linked chitosan possessing N-methyl-D-glucamine moiety (CCTS-NMDG) for Adsorption/Concentration of Boron in	66/136-144	Talanta

		Water Samples and Its Accurate Measurement by ICP-MS and ICP-AES.		
8	2005	Synthesis of chitosan resin possessing 3,4-diamino benzoic acid moiety for the collection/concentration of arsenic and selenium in water samples and their measurement by inductively coupled plasma-mass spectrometry.	542/207-215	Analytica Chimica Acta
9	2005	Trace and ultratrace analysis of purified waters and hydrogen peroxide solution for phosphorus by flow-injection method.	21/263-268	Analytical Sciences
10	2006	Automated on-line preconcentration system for the determination of trace amounts of lead using Pb-selective resin and inductively coupled plasma-atomic emission spectrometry.	39/669-682	Spectroscopy Letter
11	2006	Speciation of chromium in seawater by ICP-AES with dual mini-columns containing chelating resin.	22/161-164	Analytical Sciences
12	2006	Highly efficient and automatic collection/concentration with chelating resin for inductively coupled plasma atomic emission spectroscopy.	55/ 715-20.	Bunseki Kagaku
13	2007	Functionalization of chitosan with 3,4-dihydroxybenzoic acid for the adsorption/collection of uranium in water samples and its determination by inductively coupled plasma-mass spectrometry	581/214-220.	Analytica Chimica Acta
14	2007	Application of chitosan functionalized with 3,4-dihydroxy benzoic acid moiety for on-line preconcentration and determination of trace elements in water samples.	159/ 341-348	Microchimica Acta
15	2007	Sequential-injection on-line preconcentration using chitosan resin functionalized with 2-amino-5-hydroxy benzoic acid for the determination of trace elements in environmental water samples by inductively	72/ 1609-1627	Talanta

		coupled plasma-atomic emission spectrometry.		
16	2007	Functionalization of chitosan with 3-nitro-4-amino benzoic acid moiety and its application to the collection/concentration of molybdenum in environmental water samples.	73/ 831-837	Talanta
17	2007	Synthesis of novel chitosan resin derivatized with serine diacetic acid moiety and its application to on-line collection/concentration of trace elements and their determination using inductively coupled plasma-atomic emission spectrometry.	588/ 73-81	Analytica Chimica Acta
18	2008	Synthesis of chitosan resin possessing a phenylarsonic acid moiety for collection/concentration of uranium and its determination by ICP-AES	390/ 1927-1932	Analytical and bioanalytical chemistry
19	2008	Synthesis of chitosan-based resins modified with tris(2-aminoethyl)amine moiety and its application to collection/concentration and determination of trace mercury by inductively coupled plasma atomic emission spectrometry	76/ 1256-1260	Talanta
20	2008	Synthesis of cross-linked chitosan functionalized with threonine moiety and its application to on-line collection/concentration and determination of Mo, V and Cu	74/ 977-985	Talanta
21	2009	Automated Pretreatment System Coupled with ICP-AES for the Speciation of Cr (III) and Cr (VI) Using Dual Mini-Columns Packed with Newly Synthesized Chitosan Resin and ME-03 Resin	25/ 51-56	Analytical Sciences
22	2009	Adsorption behavior of uranium(VI) and other ionic species on cross-linked chitosan resins modified with chelating moieties	79/ 1031-1035	Talanta

23	2009	Multi-Element Determination for Green Tea Leaves and Their Extractants by ICP-AES with Online Concentration	<i>58/ 699-706</i>	Bunseki Kagaku
24	2010	Atwood number in reaction of glycerol nitration.	<i>1/ 28-34</i>	Journal of mathematics and technology
25	2011	Chitosan functionalized with di-2-propanolamine: Its application as solid phase extractant for the determination of germanium in water samples by ICP-MS	<i>99/ 34-39</i>	Microchemical Journal
26	2011	Selective separation of some ecotoxic transition metal ions from aqueous solutions using immobilized macrocyclic material containing solid phase extraction system	<i>9/ 8252-8258</i>	Central European Journal of Chemistry
27	2011	Estimation of the Distribution of Intravenously Injected Adipose Tissue-Derived Stem Cells Labeled with Quantum Dots in Mice Organs through the Determination of their Metallic Components by ICPMS	<i>83/ 8252-8258</i>	Analytical Chemistry
28	2011	Separation of lead from high matrix electroless nickel plating waste solution using anion-selective immobilized macrocycle system	<i>98/ 103-108</i>	Microchemical Journal
29	2011	Preparation and characterization of lauryl methacrylate-based monolithic microbore column for reversed-phase liquid chromatography	<i>1218/ 5228– 5234</i>	Journal of Chromatography A
30	2011	Multielement analysis of micro-volume biological samples by ICP-MS with highly efficient sample introduction system	<i>87/ 24– 29</i>	Talanta
31	2011	Penentuan kreatinin dalam urin secara kolorimetri dengan sequential injection-flow reversal mixing (SI-FRM)	<i>5/ 158-164</i>	Jurnal Ilmiah Berkala Sains dan Terapan Kimia
32	2012	Lithium ion conducting $\text{La}_{2/3}\text{-xLi}_3\text{xTiO}_3$ solid electrolyte thin film with stepped and terraced surfaced	<i>100/ 173107 (4 pages)</i>	Applied Physics Letters

33	2012	Development of salt tolerance interface for an high performance liquid chromatography/inductively coupled plasma mass spectrometry system and its application to accurate quantification of DNA	<i>713/23-29</i>	Analytica Chimica Acta
34	2012	Chemical anchoring of lauryl methacrylate-based reversed phase monolith to 1/16_ o.d. polyetheretherketone tubing	1242/59–66	Journal of Chromatography A
35	2012	AtomicMineral Characteristics of Indonesian Osteoporosis by High-Resolution Inductively Coupled PlasmaMass Spectrometry	<i>2012/372972 (6 pages)</i>	The Scientific World Journal
36	2012	Preparation of methacrylate-based anion-exchange monolithic microbore column for chromatographic separation of DNA fragments and oligonucleotides	<i>736/ 108–114</i>	Analytica Chimica Acta
37	2012	Sequential Injection-Flow Reversal Mixing (SI-FRM) Untuk Penentuan Kreatinin Dalam Urin	35/157-164	Jurnal MIPA Unnes
38	2013	Synthesis of Hematite Pigments (α -Fe ₂ O ₃) by Thermal Transformations of FeOOH	2 / 27-34	The Journal of Pure and Applied Chemistry Research
39	2013	Functionalization of Chitosan with 3, 4, 5-Trihydroxy Benzoic Acid Moiety for The Uptake of Chromium Species	<i>2/48-54</i>	The Journal of Pure and Applied Chemistry Research
40	2013	Fabrication of Oxide Ceramic MgFe ₂ O ₄ Using Iron Oxide Isolated from Lapindo Mud as a Raw Material	<i>2/108-114</i>	The Journal of Pure and Applied Chemistry Research
41	2013	Adsorption of Cadmium By Silica Chitosan	<i>2/62-66</i>	The Journal of Pure and Applied Chemistry Research
42	2013	Extraction of Pb ²⁺ using Silica from Rice Husks Ash (RHA) – Chitosan as Solid Phase	<i>2/42-47</i>	The Journal of Pure and Applied Chemistry Research

43	2014	Portable Solid Phase Extraction of Copper, Cadmium and Lead Using Analig ME-02 Chelating Resin and Their Determination by Atomic Absorption Spectrometry	<i>3/62-69</i>	The Journal of Pure and Applied Chemistry Research
44	2014	Extraction of Copper(I) Thiosulfate by Modified Chitosan	<i>3/ 47-52</i>	The Journal of Pure and Applied Chemistry Research
45	2015	Pembuatan Kolom Monolitik Berbasis Polimer Organik Untuk Pemisahan Anion Menggunakan Kromatografi Cair Kinerja Tinggi	<i>3/8-16</i>	Natural B
46	2015	Preparasi Kolom Microbore Monolith Berbasis Polistirena untuk Pemisahan Alkilbenzena Menggunakan Kromatografi Cair Kinerja Tinggi	<i>3/103-111</i>	Natural B
47	2015	Preparation and characterization of poly (methacrylateoethyl trimetil amonium-co-vinylbenzene chloride-co-ethylene dimethacrylate) monolith	<i>4/67-76</i>	The Journal of Pure and Applied Chemistry Research
48	2015	Sequential Injection Analysis – Lab at Valve (SAI-LAV) for Chromium Speciation by Colorimetric Method Using H ₂ O ₂ Oxidizing Agent and 1,5-Diphenylcarbazide Complexing Agent	<i>10/10354-10360</i>	ARPN Journal of Engineering and Applied Sciences
49	2015	Pengaruh Penambahan Tripolyfosfat pada Kitosan Beads untuk Adsorpsi Methyl Orange	<i>38/ 144-149</i>	Jurnal MIPA
50	2016	Preparation and Characterization of Glycidyl Methacrylate-based Monolith Inside 0.5 mm i.d Column for DNA separation using Liquid Chromatography	<i>7/9-16</i>	Analytical Chemistry Research

51	2016	Preparation of Chitosan beads using tripolyphosphate and ethylene glycol diglycidyl ether as crosslinker for Cr(VI) Adsorption	<i>10/105-113</i>	Chemistry & Chemical Technology
52	2016	In-situ Synthesis and Characterization of Chitosan-coated Fe ₃ O ₄ Nanoparticles Using Tripolyphosphate/Citrate as Crosslinker	<i>17/249-260</i>	Scientific Study & Research Chemistry
53	2016	Pengembangan Metode Penentuan Tiosianat Berdasarkan Pembentukan Hidrindantin Menggunakan Sequential Injection Analysis-Gas Diffusion (SIA-GD)	<i>5/38-44</i>	ALCHEMY: Journal of Chemistry
54	2016	Pengembangan dan Validasi Metode Spektroskopi Serapan Atom (SSA) untuk Penentuan Logam Berat Kadmium (Cd) dan Timbal (Pb) dalam Produk Cokelat	<i>5/31-37</i>	ALCHEMY: Journal of Chemistry
55	2016	Pembuatan Nanopartikel Kitosan-Fe ₃ O ₄ Secara Ko-presipitasi Ex-situ menggunakan Tripolyphosphate/Sulfat sebagai crosslinker dan karakterisasinya menggunakan XRD	<i>Vol 3 (3)</i>	Natural B
56	2016	Pembuatan Nanopartikel Kitosan-Fe ₃ O ₄ Secara Ko-presipitasi In-situ menggunakan Tripolyphosphate/Sitrat sebagai crosslinker dan karakterisasinya menggunakan XRD	<i>Vol 3 (3)</i>	Natural B
57	2016	Pengaruh Tripolifosfat dan Etilen Glikol Diglisidil Eter pada Pembuatan Kitosan Beads untuk Adsorpsi Cr(VI)	<i>Vol 3 (3)</i>	Natural B
58	2017	Preparasi dan Karakterisasi Nanobiokatalis Mikroreaktor dengan Polimer Monolitik Nanopori Enzim	<i>5 (4), 69-77</i>	ALCHEMY: Journal of Chemistry
59	2017	Optimization of Pesticide Analysis Method for Diazinon and Chlorantraniliprol Using High Performance Liquid Chromatography (HPLC)	<i>4 (2), 89-93</i>	Natural B

60	2017	Evaluation on Mercury, Cadmium, and Lead in the Hair Sample as an Indicator of Autism for Children	<i>9 (12), 710-715</i>	International Journal of Pharmaceutical and Clinical Research
61	2017	Designed structure and magnetic characteristic studies of magnetic iron oxide (Fe ₃ O ₄) nanoparticles coated by polyvinyl alcohol and polyvinyl alcohol-linked with glutaraldehyde	<i>10 (4), 1261-1270</i>	Rasayan Journal of Chemistry
62	2017	Characteristics and magnetic properties of chitosan-coated Fe ₃ O ₄ nanoparticles prepared by ex-situ co-precipitation method	<i>10 (4), 1348-1358</i>	Rasayan Journal of Chemistry
63	2017	Tea leaves extract as a natural reagent for quantification of copper using sequential injection analysis (SIA)	<i>12(24), 7274-7276</i>	ARPN Journal of Engineering and Applied Sciences
64	2018	Evaluation of organic polymer-based monolithic column by high performance liquid chromatography for the separation of alkyl benzenes	<i>14(1), 37-50</i>	Alchemy: Jurnal Penelitian Kimia
65	2018	Correlation of Mercury, Cadmium, and Lead Levels in The Hair with Autism in Libyan Children	<i>6, 1-9</i>	International Journal of Advances in Science, Engineering and Technology
66	2018	Modification of Screen Printed Carbon Electrode (SPCE) with Polypyrrole (Ppy)-SiO ₂ for Phenol Determination	<i>7(1), 12-18</i>	The Journal of Pure and Applied Chemistry Research
67	2018	Development of Ti ⁴⁺ -immobilized nanoporous monolithic polymer for selective separation and detection of phosphopeptides	<i>11 (1), 345-354</i>	Rasayan Journal of Chemistry
68	2018	One-pot Synthesis and Surface Modification of Fe ₃ O ₄ Nanoparticles Using Polyvinyl Alcohol by Coprecipitation and Ultrasonication Methods	<i>299, 012066</i>	IOP Conference Series: Materials Science and Engineering

69	2018	Ex-Situ Synthesis of Polyvinyl alcohol(PVA)-coated Fe ₃ O ₄ Nanoparticles by Coprecipitation-Ultrasonication Method	<i>299, 012065</i>	IOP Conference Series: Materials Science and Engineering
70	2018	Preparation and Characterization of Chitosan-coated Fe ₃ O ₄ Nanoparticles using Ex-Situ Co-Precipitation Method and Tripolyphosphate/Sulphate as Dual Crosslinkers	<i>299, 012064</i>	IOP Conference Series: Materials Science and Engineering
71	2018	Synthesis and Characterization of Fe ₃ O ₄ Nanoparticles using Polyvinyl Alcohol (PVA) as Capping Agent and Glutaraldehyde (GA) as Crosslinker	<i>299, 012062</i>	IOP Conference Series: Materials Science and Engineering
72	2018	Method Development for Pesticide Residue Analysis in Farmland Soil using High Performance Liquid Chromatography	<i>299, 012009</i>	IOP Conference Series: Materials Science and Engineering
73	2018	Spectrophotometric determination of cobalt in horse urine using 2-(5-bromo-2-pyridylazo)-5-[Nn-propyl-N-(3-sulfopropyl) amino] aniline as chromogenic reagent	<i>299, 012006</i>	IOP Conference Series: Materials Science and Engineering
74	2018	Pengaruh Kecepatan Pengadukan terhadap Karakteristik Nanopartikel Fe ₃ O ₄ dengan Pelapisan Permukaan berbasis Polivinil Alkohol dan Glutaraldehyd sebagai agen Crosslinker	<i>4(3), 127-134</i>	Natural B
75	2018	Surface Modification of Polystyrene Coating on QCM Sensor using Ambient Air Plasma at Low Pressure	<i>5 (7), 15149-15154</i>	Material Today
76	2018	Egg White Albumin Complex with Aspirin and Caffeine and Its Role as Free Radical Scavenger	<i>11 (7), 340-344</i>	Asian journal pharmaceutical and Clinical Research

77	2018	Potensi Karboksimetil Kitosan sebagai Antikanker dengan Pendekatan Laboratorium	1 (1)	Jurnal Fish Protech
78	2018	Sequential Injection at Valve Mixing (SI-VM) for Determination of Albumin-Creatinine Ratio in Urine	34 (2), 730-734	Oriental Journal of Chemistry
79	2018	Optical Sensor Based on Dye Sensitized Solar Cell (DSSC)	12, 685-690	Indonesian Journal of Electrical Engineering and computer science
80	2018	Modification of Monolithic Stationary Phase Using Human Serum Albumin as a chiral separation	2021, 050004	American Institute of Physics (<i>AIP Conference Proceedings</i>)
81	2018	Determination of Zn (II) In Drinking Water Using Sequential Injection-Valve Mixing With Alizarin Red S as Complexing Agent	11 (4), 1734-1740	Rasayan Journal of Chemistry
82	2018	Making product codes for the initiation of barcode programs on various Garuda Jaya UKM handicraft products: dried flowers from cornhusk	4, 552-556	Journal of Innovation and Applied Technology
83	2018	Preparation and utilization of monolithic column as HPLC stationary phase for alkyl benzene separation with low mobile phase usage	2049 (1), 020006	American Institute of Physics (<i>AIP Conference Proceedings</i>)
84	2018	Synthesis and Characterization of Chitosan Silica Hybrid Adsorbent From the Extraction	11 (4), 1467 - 1476	Rasayan Journal of Chemistry

		of Timor-East Nusa Tenggara Island Silica and Its Application to Adsorption of Copper (II) Ion		
85	2018	Organic Polymer Monolith: Synthesis and Applications For Bioanalytical	171, 25904336	Advances in Engineering Research
86	2018	Perbandingan Butiran Kitosan dengan Pengikat Silang Epiklorohidrin (ECH) dan Glutaraldehyd (GLA): Karakterisasi dan Kemampuan Adsorpsi Timbal (Pb)	6, 29-37	ALCHEMY: Journal of Chemistry
87	2019	Synthesis and Characterization of Magnetic Fe ₃ O ₄ Nanoparticles Using Oleic Acid as Stabilizing Agent	12 (1), 14-21	Rasayan Journal of Chemistry
88	2019	In Vitro Anti-microbial Activity of Hydroethanolic Extracts of <i>Ruellia tuberosa</i> L.: Eco-friendly Based-product Against Selected Pathogenic Bacteria	239 (1), 012028	IOP Conference Series: Earth and Environmental Science
89	2019	Monolithic Columns for the Separation and Analysis of Proteins – A Review	23 (2), 114-117	Research Journal of Chemistry and Environment
90	2019	Synthesis and Optimization of Molecularly imprinted Monolithic Stationary Phase for High-Performance Liquid Chromatography	23 (5), 114-119	Research Journal of Chemistry and Environment
91	2019	Optical sensor based on dye-sensitized solar cell (DSSC) with tobacco chlorophyll	17 (4)	Telkomnika
92	2019	Preparation of Poly-(GMA-EDA- β -CD-co-TMPTMA) Monolith as High Performance Liquid Chromatography Chiral Stationary Phase Column	19 (4), 951-958	Indonesian Journal of Chemistry (IJC)
93	2019	Development of synthesis method of magnetic nanoparticles modified by oleic acid and chitosan as a candidate for drug delivery agent.	9 (7), 001-011	Journal of applied pharmaceutical science
94	2019	Printed Low-Cost Microfluidic Paper-based Analytical Devices of Quantitative Detection of Vitamin C in Fruits	546, 032002	IOP Conference Series: Materials

				Science and Engineering
95	2019	Developing a Mickey-Mouse-Designed Microfluidic Paper-Based Analytical Device (μ PAD) to Determine The Antioxidant Activity of Green Tea	546, 032007	IOP Conference Series: Materials Science and Engineering
96	2019	Sequential Injection Analysis for Determination of Ammonia in Livestock Wastewater Using Acetoacetanilide as Hantzsch Reaction Reagent	546, 032018	IOP Conference Series: Materials Science and Engineering
97	2019	Simultaneous Determination of BUN-Creatinine as Kidney Function Biomarkers in Blood using a Microfluidic Paper-based Analytical Devices	546, 032019	IOP Conference Series: Materials Science and Engineering
98	2019	Determination of Formaldehyde in Tofu by Sequential Injection Analysis Using Acetoacetanilide as Hantzsch Reaction Reagent	546, 032024	IOP Conference Series: Materials Science and Engineering
99	2019	Sequential Injection Analysis for Determination of Lead(II) Using Extract of Caesalpinia Pulcherrima as a Natural Reagent	546, 032027	IOP Conference Series: Materials Science and Engineering
100	2019	Microfluidic Paper-based Analytical Devices (μ PADs) For Analysis of Benzoic Acid in Packaged Beverages	546, 032028	IOP Conference Series: Materials Science and Engineering
101	2019	Microfluidic Paper-based Analytical Devices (μ PADs) For Analysis Lead Using Naked Eye and Colorimetric Detections	546, 032033	IOP Conference Series: Materials Science and Engineering
102	2019	Thiocyanate Determination using Technique of Flow Injection-Gas Diffusion Spectrophotometry with Cerium (IV)-Ninhydrin Reagent	546, 032030	IOP Conference Series: Materials Science and Engineering

103	2019	Flow Injection-indirect spectrophotometry for hydroquinone analysis based on the formation of iron (II)-phenantroline complex	8(3), 2019	The Journal of Pure and Applied Chemistry Research
104	2019	Enhancement of voltammetric signals using a graphene oxide modified carbon electrode for electrochemical paper-based analytical devices	824, 197-203	Key Engineering Materials
105	2019	POTENTIAL OF YEAST HYDROLYSATE ENZYMATIC FROM BAKER'S YEAST FERMENTED IN SEVERAL RICE FLOURS MEDIUM AS ANTI-DIABETES TYPE 2	12/ 2348-2357	Rasayan Journal of Chemistry
106	2019	The role of astaxanthin with metformin in preventing glycated human serum albumin from possible unfolding: a molecular dynamic study	12(9), 276-282	Asian Journal of Pharmaceutical and Clinical Research
107	2020	Determination of Vitamin A and Vitamin E Contents in Fortified Cooking Oil using Visible Spectrophotometry.	32 (3), 565-569	Asian Journal of Chemistry
108	2020	Preparation of antibacterial iron-based nanoparticles using ruellia Tuberosa L. Root extracts as bioreductor	13 (1), 610-620	Rasayan Journal of Chemistry
109	2020	Synthesis and Characterisation of a Monolithic Imprinted Column Using a Methacrylic Acid Monomer with Porogen Propanol for Atenolol Analysis	2020, ID-3027618	Journal of Analytical Methods in Chemistry
110	2020	Green synthesis and Characterization of Copper nanoparticles using Piper retrofractum Vahl extract as bioreductor and capping agent	6 (8), e04636	Heliyon
111	2021	Preparation and Kinetic Studies of Cross-linked Chitosan Bead Using Dual Crosslinkers of Tripolyphosphate and Epichlorohydrin for Adsorption of Methyl Orange	2021, 6648457	The Scientific World Journal
112	2021	Recent Advances of Hepatitis B Detection towards Paper-based Analytical Devices	2021, 6643573	The Scientific World Journal

113	2021	Synthesis and Characterization of Astaxanthin-Metal Ions (Cu ²⁺ and Zn ²⁺) Complex	14 (2), 877-886	Rasayan Journal of Chemistry
114	2021	Adsorption of Cu (II) and Pb (II) using silica@ mercapto (HS@ M) hybrid adsorbent synthesized from silica of takari sand: optimization of parameters and and kinetics	14 (1), 550-560	Rasayan Journal of Chemistry
115	2021	DFT and molecular dynamics studies of astaxanthin-metal ions (Cu ²⁺ and Zn ²⁺) complex to prevent glycated human serum albumin from possible unfolding	7 (5), e06548	Heliyon
116	2021	The utilization of black rice yeast and its physiological effects on mice (<i>Mus musculus</i>) which are exposed to type 2 diabetes mellitus	14 (1), 1507-1513	Rasayan Journal of Chemistry
117	2021	Sonication-assisted green synthesis of silver nanoparticles using Piper retrofractum fruit extract and their antimicrobial assay	2349, 020003	AIP Conference Proceedings
118	2021	Immobilization of Trypsin onto Porous Methacrylate-Based Monolith for Flow-through Protein Digestion and Its Potential Application to Chiral Separation Using Liquid Chromatography	7 (8), e07707	Heliyon
119	2021	Biosynthesis of Cu ₂ O/CuO-NP and AgNP Using <i>Rhizopus oligosporus</i> as Reductor Agent	10 (3)	The Journal of Pure and Applied Chemistry Research
120	2021	Preparation of Metal-immobilized Methacrylate-based Monolithic Columns for Flow-through Cross-coupling Reactions	26 (23), 7346	Molecules
121	2021	Sintesis Monolith Nanopori dengan Teknik Molecularly Imprinted Polymer Menggunakan Ionic Liquid dan Logam Cu (II) sebagai Metal Mediated Self Assembly Pivot untuk Pemisahan Campuran Senyawa Kiral	10(2), 39-49	The Indonesian Green Technology Journal
122	2022	An experimental design approach for the optimization of scopoletin extraction from <i>Morinda citrifolia</i> L. using accelerated solvent extraction	238 (1), 123010	Talanta

123	2022	Fast Colorimetric Detection of Albumin-Creatinine Ratio Using Paper-based Analytical Devices with Alkaline Picrate and Bromothymol Blue Reagents	12 (1), 140-148	Journal of Applied Pharmaceutical Science
124	2022	Recent Advances in Nephropathy Biomarker Detections Using Paper-based Analytical Devices	38(1), 39-54	Analytical Sciences
125	2022	Characterization and Antibacterial Application of Biosynthesized Silver Nanoparticles using Piper retrofractum Vahl Fruit Extract as Bioreductor	12 (3), 103-114	Journal of Applied Pharmaceutical Science
126	2022	Cobalt(II)-mediated Molecularly Imprinted Polymer as Monolithic Stationary Phase for Separation of Racemic Citronellal by Liquid Chromatography	2022, 7891525	The Scientific World Journal
127	2022	An Application Study of Membraneless-Gas Separation Microfluidic Paper-based Analytical Device for Monitoring Total Ammonia in Fish Pond Water using Natural Reagent	38 (5), 759-767	Analytical Sciences
128	2022	Green Synthesis of Silver Nanoparticles coated by Water Soluble Chitosan and Its Potency as Non-Alcoholic Hand Sanitizer Formulation	15 (13), 4641	Materials
129	2022	Improving Human Serum Albumin and Glycated Human Serum Albumin's Dynamic with Astaxanthin/Astaxanthin-metal ions Complexes: Antioxidant Activity, Physico-chemical and Computational Approaches	23 (9), 4771	International Journal of Molecular Sciences
130	2022	Determination of Total Ammonia Nitrogen by Gas-Diffusion Flow Injection Analysis (GD-FIA)-Spectrophotometry using Minnieroot Flower (<i>Ruellia tuberosa</i>) as Natural Reagent	26 (2), 263-272	Makara Journal of Science
131	2022	Method Development for the Determination of Aluminum by PPAD Using Sappan Wood Extract (<i>Caesalpinia sappan</i>)	2638 (1), 050003	AIP Conference Proceedings

132	2022	Marshall Tests for Asphalt Concrete Wearing Course Asb Lawele Containing Capsule Calcium Alginate as Self-Healing Additive	1117(1),012005	IOP Conference Series: Earth and Environmental Science
133	2022	Antiprotozoal properties of potato peels and linseed oil and their effect on in vitro gas production	977(1),012128	IOP Conference Series: Earth and Environmental Science
134	2022	Chemical Composition, Biochemical Activity of Black Rice Yeast Extract, and Their Potential as Anti-diabetic	13(1), pp. 81-92	Journal of Natural Science, Biology and Medicine
135	2022	Epigenetics and Dysfunctional Energy Factors of Neurodegenerative Disease with Therapeutic Potential of H ₂ O ₂ as Neuroprotective Agent	2022, 2022080061	Preprint
136	2022	The Potent of Radical Scavenging, Toxicity, and Apoptosis of Various Fractions of Marine Sponge <i>Axinella aruensis</i> from Kangean Islands	62(9), 5219-5230	Azerbaijan Medical Journal
137	2023	Multiple System Atrophy: Mitochondria Dysregulation, Reprogramming and Alternative of Neuroprotective Agents	2023, 2023010220	Preprint
138	2023	Recent advances in active agent-filled wrapping film for preserving and enhancing the quality of fresh produce	144, 109400	Food Control
139	2023	Cellulose Nanocrystals (CNCs) and Cellulose Nanofibers (CNFs) as Adsorbents of Heavy Metal Ions	2023, 5037027	Journal of Chemistry
140	2023	Metabolites analysis of the marine sponge <i>Callyspongia affinis</i> from Kangean Island as a potential source for anticancer candidates	13(05), 136-143	Journal of Applied Pharmaceutical Science
141	2023	Fermentation parameters in the rumen of goats supplemented with polyphenol oxidase derived from <i>Gliricidia sepium</i> leaves under in vitro conditions	24 (6), 3282-3290	Biodiversitas Journal of Biological Diversity

142	2023	Dysfunctional energy and future perspective of low dose H ₂ O ₂ as protective agent in neurodegenerative disease	9(7), e18123	Heliyon
143	2023	Synthesis of MnO ₂ /Biochar Nanocomposite Using Sonochemical Method for Adsorption of Pb(II)	2818 (1), 060007	AIP Conference Proceedings
144	2023	Van Deemter Equation Versus Separation Impedance for Chromatographic Efficiency Evaluation of Poly-(Lauryl Methacrylate-co-Ethylene Dimethacrylate) Monolithic Column through Separation of Alkylbenzenes	2818 (1), 020008	AIP Conference Proceedings
145	2023	Colorimetric Determination of Albumin to Creatinine Ratio Using Paper-based Analytical Devices for Rapid Detection of Kidney Dysfunction	2818 (1), 020002	AIP Conference Proceedings
146	2023	Determination of Cystatin C Using Paper-based Analytical Devices for Early Detection of Renal Failure	2818 (1), 020001	AIP Conference Proceedings
147	2023	The development of μ PAD-Card to measure total ammonia in saliva using sappan wood extract (<i>Caesalpinia sappan</i> L.)	2818 (1), 020007	AIP Conference Proceedings
148	2023	Metabolites profiling of ethyl acetate extract of sponge <i>Halichondriidae</i> sp from Kangean Islands and their in silico activity as coronavirus drugs	2818 (1), 080004	AIP Conference Proceedings
149	2023	QCM sensor with polystyrene coating as a candidate for coffee aroma sensor	2903 (1), 040005	AIP Conference Proceedings
150	2023	The Effect of Calcium Alginate Capsule on Resilience Modulus of Buton Rock Asphalt-Based Self-Healing Mixtures	11 (6), 3249-3259	Civil Engineering and Architecture
151	2023	Cottonwood Honey (<i>Ceiba pentandra</i>) as Bioreductor for Preparation of AgNPs-mediated Chitosan-based Hand Gel Sanitizer	7 (12), 5573-5580	Tropical Journal of Natural Product Research
152	2024	Combination of the Alkali-Bleaching-Sodium Sulfite Ionic Solutions Treatment toward Cellulose Isolation and Its Characteristics from Palm Empty Bunches (PEB)(Study:	12 (1), 21-42	Moroccan Journal of Chemistry

		Comparison with Cellulose from Different Biomass and Methods)		
153	2024	sCD163, sCD28, sCD80, and sCTLA-4 as Soluble Marker Candidates for Detecting Immunosenesence	21 (1), 9	Immunity and Ageing
154	2024	Preparation and Characteristics of Cellulose Nanocrystals (CNCs) Isolated from Palm Empty Bunches (PEB) at Various Temperatures and Concentrations of Sulfuric Acid Hydrolysis and Their Surface Modification with Aminomethylphosponic Acid (AMPA)	12(3), 931-969	Moroccan Journal of Chemistry
155	2024	Silver Nanoparticles-mediated Paper-Based Analytical Devices for Detection of Creatinine in Urine Samples	Accepted (In-Press)	AIP Conference Proceedings
156	2024	Detection of Albumin Using Gold Nanoparticles-mediated Microfluidic Paper-based Analytical Devices	Accepted (In-Press)	AIP Conference Proceedings
157	2024	The effect of Zn and Mg on Neopterin post COVID-19 vaccination	Accepted (In-press)	Pharmacy Education Journal

F. Penyampaian makalah secara oral

No	Nama Pertemuan Ilmiah / Seminar	Judul Artikel Ilmiah	Waktu dan Tempat
1	14th International Conference on Flow Injection Analysis	Automated Pretreatment System in Combination with Chitosan-Based Chelating Resins for Determination of Trace Elements by ICP-AES	2007/ Berlin-Germany
2	14th International Conference on Flow Injection Analysis	Development of Computer-Assisted Fully Automated Flow Analysis System and Its Application to the Determination of Ultratrace Toxic Heavy Metals in Environmental Waters: Application to Lead Determination	2007/ Berlin-Germany

3	International Seminar on Chemistry	Laboratory-Assembled Automated Pretreatment System for Speciation of Cr (III) and Cr (VI) Using Dual Mini-Columns Packed with Newly Synthesized Chitosan Resin and ME-03 Resin	2008/ Bandung- Indonesia
4	International Conference for Young Chemist	Synthesis of Trace-Element-Capturing Resins Using Chitosan as A Base Material and Their Application to Analytical Chemistry	2008/ Penang- Malaysia
5	Basic Science V Seminar	Online Speciation of Cr (III) and Cr (VI) Using Dual Mini Columns Packed With Chelating Resins	2008/ Malang - Indonesia
6	Basic Science VI Seminar	Automated Pretreatment System untuk pemekatan dan penentuan ion Tembaga (II) Dalam Perairan Menggunakan Kitosan Berikatan Silang	2009/ Malang - Indonesia
7	Basic Science VI Seminar	Penggunaan kitosan berikatan silang untuk pemekatan perak (I) secara ekstraksi fase padat	2009/ Malang - Indonesia
8	Basic Science VII Seminar	Sequential Injection Analysis–Lab At Valve untuk Spesiasi Kromium Secara Kolorimetri Dengan Menggunakan Pengoksidasi H ₂ O ₂ dan Pengompleks 1,5-Difenilkarbazida	2010/ Malang - Indonesia
9	Basic Science VII Seminar	Sequential Injection at Valve Mixing (SI-VM) untuk Penentuan Kreatinin dalam Urine	2010/ Malang - Indonesia
10	Basic Science VII Seminar	Sequential Injection Flow Reversal Mixing (SI-FRM) untuk Penentuan Kreatinin dalam Urin	2010/ Malang - Indonesia
11	The 2 nd Forum of Metallomics Research	Anion Exchange Monolith coupled with HPLC/ICP-MS System For Quantification of DNA	2010/ Kyoto- Japan
12	The 10 th Takayama Forum	Weak Anion Exchange Monolith for Separation of Protein and DNA	2010/ Takayama- Japan

13	The 4th Japan-China-Korea Joint Ion Analysis Symposium	Anion Exchange Monolithic Microbore Column for Chromatographic Separation of DNA Fragments and Oligonucleotides	2010/ Gifu-Japan
14	Capillary Electrophoresis Symposium	Anion Exchange Monolithic Column for Chromatographic Separation of Double Strand DNA Fragments	2010/ Gifu-Japan
15	The Annual Meeting of Japan Society For Analytical Chemistry	Development of monolithic chelating adsorbent for solid phase microextraction of trace elements in water samples	2010/ Sendai-Japan
16	The 2011 International Symposium on Advanced Engineering	An Experimental Study of the Flammability Limits of LPG-CO ₂ -Air Mixtures.	2011/Busan-Korea
17	IUPAC International Congress on Analytical Sciences	Anion Exchange Monolithic Microbore Column for Chromatographic Separation of DNA and RNA Fragments.	2011/ Kyoto-Japan
18	IUPAC International Congress on Analytical Sciences	Highly Precise Measurement of Adipose Tissue-derived Stem Cells Labeled with Quantum Dots in Mice by ICP-MS	2011/ Kyoto-Japan
19	The 36th International Symposium on High-Performance Liquid Phase Separations and Related Techniques	Preparation of lauryl methacrylate-based reversed phase monolith chemically anchored to PEEK tubing used as column body.	2011/ Budapest-Hungary
20	The 5th International Conference on Metals and Genetics	Ti ⁴⁺ -Immobilized poly(GMA-co-EDMA) Monolith for the Enrichment of Phosphopeptides	2011/ Kobe-Japan
21	The 5th International Conference on Metals and Genetics	Multielement analysis of salmon embryos at different stages of development by ICP-MS	2011/ Kobe-Japan
22	The 5th International Conference on Metals and Genetics	Comprehensive Trace Element Analysis of cells and Organisms and Elemental Speciation Analysis by Multiply-Hyphenated Analysis System	2011/ Kobe-Japan

23	JAIMA Discussion on Analytical Science & Technology/ TOKYO Conference	Microbore Monolithic Microreactor for High-Speed Suzuki-Miyaura Cross-Coupling Reaction	2011/ Chiba-Japan
24	The Annual Meeting of Japan Society for Analytical Chemistry	Flow Focusing Nebulizer for Multi-profiling analysis of salmon eggs by ICP-MS	2011/ Nagoya-Japan
25	The Annual Meeting of Japan Society for Analytical Chemistry	Reverse Phase Methacrylate-based monolithic column for peptide mapping	2011/ Nagoya-Japan
26	Symposium of Flow Injection Analysis	Development of Chelating Adsorbents for Online Solid Phase Microextraction of Trace Metal Ions	2011/ Aichi-Japan
27	International Symposium on EcoTopia Science (ISETS'11)	Development of Organic Polymer-Based Monoliths as Separation Media and Catalyst Supports for High-Throughput Analysis and Synthesis	2011/ Nagoya-Japan
28	Seminar Nasional Kimia Analitik dan Instrumentasi (SNKAI 2012)	Laboratory-Assembled Automated Pretreatment System for Collection/Preconcentration of Trace Metal Ions Using Chitosan-Based Chelating Resins.	2012/ Jakarta-Indonesia
29	Seminar Nasional MIPA	Sequential Injection Analysis-at Valve Mixing Untuk Spesiasi Cr (III) dan Cr (VI)	2012/ Semarang-Indonesia
30	Asia-Pacific Winter Conference 2012 (APWC 2012)	Sample Introduction and Interface device for Elemental and Speciation Analysis of Micro-Volume Biological Samples	2012/ Jeju-South Korea.
31	KAVLI Frontier of Science Symposium (KFoS) USA - Indonesia	Microbore Monolithic Column for Separation of DNA Samples	2012/ Solo-Indonesia
32	The 1st International Conference of Indonesian Chemical Society (ICICS)	Development of Methacrylate-Based Monolithic Microbore Column for Separation and Quantification of Biomolecules	2012/ Malang-Indonesia

33	Seminar Nasional dan Workshop Laboratorium MIPA Terpadu	Capillary Flow Focusing Nebulizer and Organic Polymer-Based Monoliths: Application to Bioscience	2012/ Surabaya-Indonesia
34	The 6th Asia Pacific on Ion Analysis (APCS 2012)	Capillary Flow Focusing Nebulizer for ICP-MS: Application to Biological Samples.	2012/Padang-Indonesia
35	15 th Asian Chemical Congress (ACC 2013)	Development of Microbore Monolithic Columns as Separation Media and Catalyst Support for High Speed Biomolecules Analysis and Organic Synthesis	2013/ Sentosa Island - Singapore
36	2 nd International Congress of The Indonesian Chemical Society (ICICS 2013)	Preparation of Organic Polymer-based Monolith for Chromatographic Separation of Methylated DNA and Single Nucleotide Polymorphism (SNP)	2013/ Yogyakarta-Indonesia
37	The 19 th International Conference on Flow Injection Analysis (ICFIA)	(Invited Speaker) Development of Flow-Based Analytical methods for Analytical and Bioanalytical Applications	2014/ Fukuoka-Japan
38	The 9th Joint Conference on Chemistry	Preparation of Organic Polymer-Based Monoliths for Bioapplications	2014/ Semarang-Indonesia
39	The 5 th International Conference on Basic Science	Preparation of Methacrylate-based monolith for Separation of DNA Methylation	2015/ Malang-Indonesia
40	International Conference on Mathematics, Sciences and Education	Synthesis, Characterization, and Surface Modification of Material Chitosan-Fe ₃ O ₄ Nanoparticle	2015/ Lombok-Indonesia
41	International Conference on Mathematics, Sciences and Education	In-Situ Synthesis and Characterization of Chitosan-Fe ₃ O ₄ Nanoparticles using Tripolyphosphate/Citrate as Crosslinker	2015/ Lombok-Indonesia

42	The International Chemical Congress of Pacific Basin Societies (Pacifichem 2015)	(Invited Speaker) Monolith: Its applications to flow chemistry	2015/ Honolulu- USA
43	The International Chemical Congress of Pacific Basin Societies (Pacifichem 2015)	Organic polymer-based monolith for fast, efficient, and environmentally friendly separation of DNA sample	2015/ Honolulu- USA
44	The 8th Asia Pacific Symposium on Ion Analysis	(Invited Speaker) Development of Polymer-based Chelating Adsorbent for On-line Solid Phase Microextraction of Metal Ions	2015/ Chiba- Japan
45	The 2 nd International Joint Meeting of Global Environment and Energy Course	(Invited Speaker) Organic Polymer Monoliths: Application to Separation, Catalyst Support, and Enrichment of Biomolecules	2015/ Gifu- Japan
46	The 6 th Annual Basic Science International Conference	(Invited Speaker) Organic Polymer-based Monolith and Its Application to Flow Chemistry	2016/Malang - Indonesia
47	Indonesian Conference on Chemical Analysis and Instrumentation (ICCAI 2016)	(Keynote Speaker) Development of Organic Polymer-based Monoliths: Application to Analytical and Bioanalytical Chemistry	2016/Jakarta - Indonesia
48	The 1st International Basic Science Conference	Development of Ti ⁴⁺ -Immobilized Nanoporous Monolithic Polymer for Selective Separation and Detection of Phosphopeptides	2016/Jember - Indonesia
49	The 1st International Basic Science Conference	Preparation of Nanobiocatalyst Microreactor using Immobilized Enzyme onto Nanoporous Monolithic Polymer for High Speed Protein Digestion	2016/Jember - Indonesia
50	The 1st International Basic Science Conference	A reversed-phase high performance liquid chromatography using C ₁₂ Organic Polymer-based Monolithic Column for High Efficient Separation of Alkyl Benzenes	2016/Jember - Indonesia

51	The 1st International Basic Science Conference	Evaluation of Poly(lauryl methacrylate-co-ethylene dimethacrylate) Monolithic Microbore Column as Reverse Phase Liquid Chromatography for Separation of Alkyl Benzenes	2016/Jember - Indonesia
52	The 1st International Basic Science Conference	Facile Synthesis of Oleic Acid-Coated Magnetic Iron Oxide Nanoparticles via a One-pot Three-component Reaction	2016/Jember - Indonesia
53	The 1st International Basic Science Conference	Synthesis and Characterization of Magnetic Iron Oxide Nanoparticles Coated with Polyvinyl alcohol and Polyvinyl alcohol-linked Glutaraldehyde	2016/Jember - Indonesia
54	Fundamental Science Congress 2016	(Keynote Speaker) Development of Highly Efficient Interface Device for Mass Spectrometry and Organic Polymer-Based Monoliths: Application to Bioscience	2016/ UPM Selangor - Malaysia
55	ASIANALYSIS XIII	(Invited Speaker) Preparation of organic polymer-based monolithic column for flow-through protein digestion and phosphopeptide identification	2016/ Chiang Mai - Thailand
56	The 5 th NRCT-IFS-MU-PERCH-CIC	(Invited Speaker) Plasma Mass Spectrometry for Accurate Quantification of Biomolecules Using Nanoparticle Labeling	2017/ Pitsanulok - Thailand
57	The 1 st International Conference on One Health	Sequential Injection at Valve Mixing (SI-VM) for Determination of Albumin-Creatinine Ratio in Urine	2017/ Malang - Indonesia
58	The 7 th Annual Basic Science International Conference	Chitosan-coated magnetic nanoparticles by in- and Ex-situ Methods: Their Characterization and Potential as a Candidate of Drug Delivery Material	2017/ Malang - Indonesia
59	The 7 th Annual Basic Science International Conference	Preparation of Iron Oxide Nanoparticles Coated with Oleic Acid and Polyvinyl Alcohol Using Coprecipitation Method: Characterization and Its Potential as a Candidate of Drug Delivery Material	2017/ Malang - Indonesia
60	The 7 th Annual Basic Science International Conference	Development of Organic-based Monolithic Microreactor for Selective Detection of Phosphopeptides	2017/ Malang - Indonesia
61	Annual Meeting of Japan Society for Flow Injection Analysis 2017	(Keynote Speaker) Development of Highly Efficient Nebulizer of ICP-MS and Organic Polymer Monolithic Column for On-line Solid Phase Microextraction of Trace Elements in Environmental Water Samples	2017/ Okayama - Japan

62	Seminar Nasional Kimia dan Pembelajarannya 2017 (SNKP 2017)	(Keynote Speaker) Development of Highly Efficient Interface Device for Mass Spectrometry and Organic Polymer-Based Monoliths: Application to Bioanalytical Chemistry	2017/ Malang - Indonesia
63	MaChung International Conference on Chromatography	(Invited Speaker) Development of Organic Polymer-based Monoliths: Application to Analytical and Bioanalytical Chemistry by Liquid Chromatography	2017/ Malang - Indonesia
64	Seminar Nasional Kimia, Farmasi, dan Ilmu Kesehatan	(Keynote Speaker) Nanomaterials in Bioanalytical Chemistry and Bioscience	2017/ Bengkulu - Indonesia
65	Seminar Nasional Kimia (SNK) 2017	(Keynote Speaker) Chitosan and Its Chemical Modification: Application to Environmental, Bioscience, and Energy Fields	2017/ Padang - Indonesia
66	Seminar Nasional Kimia XIV (SENAKI XIV)	(Keynote Speaker) Chemical Modification of Chitosan and Its Application to Analytical Chemistry and Bioscience	2017/ Surabaya - Indonesia
67	The 8 th Annual Basic Science International Conference	Modification of Monolithic Stationary Phase Using Human Serum Albumin as Chiral Separation	2018/ Malang - Indonesia
68	Asianalysis XIV	Organic polymer-based monolith coupled with liquid chromatography for fast protein digestion and selective separation of phosphopeptides	2018/ Jakarta - Indonesia
69	PERCH-CIC Congress X (2018)	(Invited Speaker) Organic polymer-based monoliths: from separation media to catalytic applications	2018/ Pattaya - Thailand
70	The 6th Asian Network for Natural & Unnatural Materials (ANNUM VI)	(Invited Speaker) Application of Nanomaterials in Bioanalytical Chemistry	2018/ Gifu - Japan
71	The 1st International Conference on Chemistry, Pharmacy and Medical Sciences (ICCPM)	(Invited Speaker) Preparation of Chiral Monoliths for Separation of Chiral Compounds in Natural Products	2018/ Bengkulu - Indonesia

72	Seminar Nasional Kimia dan Pendidikan Kimia 2018	(Keynote Speaker) Monoliths: Its Application in Chemistry and Biosciences	2018/ Surabaya - Indonesia
73	The 14th International Conference on Flow Analysis (Flow Analysis 2018)	(Invited Speaker) Preparation of monolithic adsorbent column for on-line collection/concentration of trace elements and their determination by ICP-MS	2018/ Bangkok - Thailand
74	Pure and Applied Chemistry International Conference 2019 (PACCON 2019)	(Invited Speaker) Preparation of Methacrylate-based Monolithic Columns and Their Application to Analytical and Bioanalytical Chemistry	2019/ Bangkok- Thailand
75	The 6th NRCT-IFS-PERCH-CIC Workshops and Conference: ASEAN Research and Innovation Initiatives	(Invited Speaker) Preparation of methacrylate-based monolithic microbore columns for chromatographic separation of DNA	2019/ Chiang Mai - Thailand
76	The 3rd International Joint Meeting of Advanced Global Program	(Invited Speaker) How to prepare high separation efficiency of organic polymer-based monoliths for liquid chromatography?	2019/ Gifu - Japan
77	The 8th International Conference of The Indonesian Chemical Society (ICICS) 2019	(Invited Speaker) Organic Polymer Monoliths and Their Analytical Applications	2019/ Bogor - Indonesia
78	Seminar Nasional Kimia 2019 "Improving the Quality of Life through Applications of Energy and Materials Science	(Keynote Speaker) Organic Polymer Monolith for High Speed Liquid Chromatography	2019/ Malang – Indonesia
79	The 2 nd International Conference on Chemistry and	(Keynote Speaker) Microfluidic Paper-based Analytical Devices (μ PADs) and Their Application to Analytical and Bioanalytical Chemistry	2019/ Malang - Indonesia

	Material Science (IC2MS)		
80	The 4rd International Joint Meeting of Advanced Global Program in conjunction with Gifu University 70 th Anniversary	(Invited Speaker) Microfluidic Paper-based Analytical Devices (μ PADs) for Rapid Analysis of Metallic and Non-Metallic Elements	2019/ Gifu - Japan
81	International JAFIA 35th Anniversary Symposium	(Invited Speaker) Sequential Injection Analysis for Determination of Ammonia and Formaldehyde Using Hantzsch Reaction	2019/ Nagoya - Japan
82	2019 Asia-Pacific Symposium on Ion Analysis (APIA)	(Invited Speaker) Preparation of polymer-based adsorbents as solid phase extractant for on-line collection/concentration of trace elements and their determination by ICP-OES and ICP-MS	2019/ Daejeon – Korea Selatan
83	Pure and Applied Chemistry International Conference 2020 (PACCON 2020)	(Invited Speaker) Organic Polymer-based Monoliths as Chiral Stationary Phases for Liquid Chromatography	2020/ Bangkok – Thailand
84	Pure and Applied Chemistry International Conference 2020 (PACCON 2020)	Chiral Separation of Racemic Essential Oils By Use of an Ionic Liquid Mediated Imprinted Monolith With a Cobalt(II) Ion As Self-Assembly Pivot	2020/ Bangkok – Thailand
85	International Seminar on Chemistry 2020 (ISOC 2020)	(Invited Speaker) Paper-based Analytical Devices (PADs) and Their Analytical Applications	2020/ ITS Surabaya (Online)
86	The 3rd Internasional Conference on Chemistry and Material Science	Synthesis of MnO ₂ /Biochar Nanocomposite Using Sonochemical Method for Adsorption of Pb(II)	2021/ UNEJ Jember (Online)
87	The 3rd Internasional Conference on Chemistry and Material Science	Determination of Cystatin C Using Paper-based Analytical Devices for Early Detection of Renal Failure	2021/ UNEJ Jember (Online)

88	The 3rd Internasional Conference on Chemistry and Material Science	Colorimetric Determination of Albumin to Creatinine Ratio Using Paper-based Analytical Devices for Rapid Detection of Kidney Disfunction	2021/ UNEJ Jember (Online)
89	The 3rd Internasional Conference on Chemistry and Material Science	Van Deemter Equation Versus Separation Impedance for Chromatographic Efficiency Evaluation of Poly-(Lauryl Methacrylate-co-Ethylene Dimethacrylate) Monolithic Column through Separation of Alkylbenzenes	2021/ UNEJ Jember (Online)
90	The 2021 International Chemical Congress of Pacific Basin Societies (Pacifichem 2021)	Metal-mediated Molecularly Imprinted Polymer as Chiral Stationary Phase for Separation of R/S- Citronellal and R/S- pulegone	2021/ Honolulu, USA (Online)
91	The 2021 International Chemical Congress of Pacific Basin Societies (Pacifichem 2021)	(Invited Speaker) Paper-based Analytical Devices for Biomarkers Detection of Renal Function	2021/ Honolulu, USA (Online)
92	The 2021 International Chemical Congress of Pacific Basin Societies (Pacifichem 2021)	(Invited Speaker) Nanocomposite-immobilized on Screen Printed Electrode for Detection of Hepatitis B Virus	2021/ Honolulu, USA (Online)
93	Seminar Nasional MIPA: "STEAM (Science Technology, Engineering, Art and Mathematics) untuk menyongsong Society 5.0"	(Keynote Speaker) Bioanalysis Using Paper-based Analytical Devices (PADs)	2022/Banyuwangi, Indonesia (online)
94	Flow Analysis XV	(Invited Speaker) Instrumentation-free Approach to Rapid Detection of Albumin-to-Creatinine Ratio Using Paper-based Analytical Devices	2022/ Krakow, Poland

95	The 4th International Conference on Chemistry and Material Science	Preparation of Microbore Polymer-based Monolithic Columns as Chiral Stationary Phases for Liquid Chromatography	2022/ Malang, Indonesia
96	The 4th International Conference on Chemistry and Material Science	Silver Nanoparticles-mediated Paper-Based Analytical Devices for Detection of Creatinine in Urine Samples	2022/ Malang, Indonesia
97	The 4th International Conference on Chemistry and Material Science	Detection of Albumin Using Gold Nanoparticles-mediated Microfluidic Paper-based Analytical Devices	2022/ Malang, Indonesia
98	The 11 th Asia Pacific Symposium on Ion Analysis	(Invited Speaker) Preparation of Polymer-based Monolithic Columns for Chromatographic Separation of Enantiomers	2022/ Tokyo, Japan
99	Pure and Applied Chemistry International Conference 2023 (PACCON 2023)	(Invited Speaker) Nanomaterial-mediated Paper-based Analytical Devices for Disease Detections	2023/ Chiang Rai, Thailand
100	Rethinking EurAsia Lecture Series (REALS)	(Invited Speaker) Nanomaterial-mediated Rapid Diagnostic Tests for Disease Detection	2023/ Malang, Indonesia
101	The 22 nd International Conference on Flow Injection Analysis	(Invited Speaker) 3D-Connector Microfluidic Paper-based Analytical Devices for Detection of Urinary Albumin-to-Creatinine Ratio	2023/ Marseille, France
102	The 5 th International Conference on Chemistry and Material Sciences 2023 (IC2MS)	(Invited Speaker) 3D-Connector Microfluidic Paper-based Analytical Devices for Rapid Detection of Nephropathy	2023/ Malang, Indonesia
103	18 th Joint Conference on Chemistry 2023	Preparation of Organic Polymer-based Monoliths Inside Microbore Columns for Separation of DNA Using Liquid Chromatography	2023/ Semarang, Indonesia

104	International Symposium for Strengthening Research Network on Microfluidics and Sensor Innovation	(Invited Speaker) Microfluidic Paper-based Analytical Devices for Rapid Detection of Nephropathy	2024/ Bangkok, Thailand
105	The 7th Asian Symposium on Emulsion Polymerization and Functional Polymeric Microspheres	(Keynote Speaker) Bioresources-mediated Green Synthesis of Metallic Nanoparticles: Their Antimicrobial and Anticancer Applications	2024/ Chiang-Mai, Thailand

G. Pengalaman Penulisan Buku

No	Judul Buku	Tahun	Jumlah Halaman	Penerbit
1	Kimia Analitik	2007		Departemen Pendidikan Nasional
2	Monolithic Chromatography Part 1	2014	>100	Tidak diterbitkan/Lokal
3	Monolithic Chromatography Part 2	2016	>100	Tidak diterbitkan/Lokal
4	Deteksi Protein Dengan Pengembangan Metode Imobilisasi Berbasis Monolit	2023	124	Nasmedia Pustaka
5	Chapter Book: Potential Of Nanoparticles for Postharvest of Fruits And Vegetables (in Sustainable Postharvest Technologies for Fruits and Vegetables)	2024	> 400	Routledge (Taylor & Francis Group)

H. Pengalaman Perolehan HKI

No.	Judul/Tema HKI	Tahun	Jenis	Nomor P/ID
1	Monolith Polimer Organik Berbahan dasar Metakrilat Untuk Deteksi DNA	2017	patent	P00201407422/ IDP000045671
2	Pembuatan Drug Delivery System dari Nanopartikel Besi Oksida – Protein	2018	patent	P00201809190
3	Polimer Organik Monolith Untuk Pemekatan Selektif Fosfopeptida	2018	patent	P00201809218
4	Pembuatan Nanopartikel Fe ₃ O ₄ -kitosan untuk agen drug delivery	2018	patent	P00201806236
5	Sel reaksi static gravitasional untuk QCM biosensor dan sensor kimia	2018	patent	P00201809231
6	Deteksi rasio albumin kreatinin secara semikuantitatif dan kuantitatif menggunakan microfluidic paper-based analytical devices	2021	patent	P00202104215
7	DFT and molecular dynamics studies of astaxanthin-metal ions (Cu ²⁺ and Zn ²⁺) complex to prevent glycated human serum albumin from possible unfolding	2021	Hak Cipta	EC00202124183

8	Preparation of antibacterial iron-based nanoparticles using ruellia Tuberosa L. Root extracts as bioreductor	2021	Hak Cipta	EC00202124184
9	Determination of Vitamin A and Vitamin E Contents in Fortified Cooking Oil using Visible Spectrophotometry	2021	Hak Cipta	EC00202124179
10	Preparation and Kinetic Studies of Cross-linked Chitosan Bead Using Dual Crosslinkers of Tripolyphosphate and Epichlorohydrin for Adsorption of Methyl Orange	2021	Hak Cipta	EC00202124182
11	Recent Advances of Hepatitis B Detection towards Paper-based Analytical Devices	2021	Hak Cipta	EC00202124180
12	Green synthesis and Characterization of Copper nanoparticles using Piper retrofractum Vahl extract as bioreductor and capping agent	2021	Hak Cipta	EC00202124181
13	Proses Pembuatan Additive Kapsul Berbahan Dasar Calsium Alginate	2022	Patent Sederhana	S00202204964
14	Teknologi Filtrasi PM10 Berbahan Dasar Kalsium Oksida Limbah Cangkang Tiram Bertenaga Panel Surya Terintegrasi IoT Guna Mewujudkan SDGs 2030	2022	Hak Cipta	EC00202261583
15	Moringa Hand Soap With Ylang-ylang And Mint Essential Oil	2023	Hak Cipta	EC00202350924

I. Penghargaan yang Pernah Diraih (dari pemerintah, asosiasi atau institusi lainnya)

No.	Jenis Penghargaan	Institusi Pemberi Penghargaan	Tahun
1	Young Scientist Research Award	Japan Society for Analytical Chemistry (JSAC), Japan	2005
2	Best Poster Research Award	The International Chemical Congress of Pacific Basin Societies (USA)	2005
3	Venture Business Laboratory Research Award	Okayama University, Japan	2005
4	Venture Business Laboratory Research Award	Okayama University, Japan	2006
5	Scientific Award on Excellent Research Completion	Okayama University, japan	2007
6	Dosen Berprestasi I FMIPA UB	FMIPA Univ Brawijaya	2008
7	Dosen Berprestasi I UB	Universitas Brawijaya	2008
8	Dosen Berprestasi Nasional (peringkat 4)	DIKTI	2008
9	Citation Award of International Publications	Brawijaya University	2013
10	Flow Injection Analysis Young Researcher Awards	Japan Association for Flow Injection Analysis (JAFIA), Japan.	2014
11	Outstanding Reviewer from Analytica Chimica Acta	Elsevier, The Netherland	2019
12	Outstanding Reviewer from Talanta	Elsevier, The Netherland	2019

J. Keanggotaan Himpunan Masyarakat Ilmiah

No.	Nama Himpunan Masyarakat Ilmiah	Posisi	Periode
1	Himpunan Kimia Indonesia	Anggota	2012 - sekarang
2	Japan Society for Analytical Chemistry (Japan)	Anggota	2010 - sekarang
3	Royal Society of Chemistry (U.K)	Anggota	2016 - 2019
4	Akademi Ilmwan Muda Indonesia (ALMI)	Anggota	2016 - sekarang
5	American Chemical Society	Anggota	2020 - 2024

N. Kegiatan Lainnya (Mitra Betari/Reviewer Jurnal Nasional/Internasional)

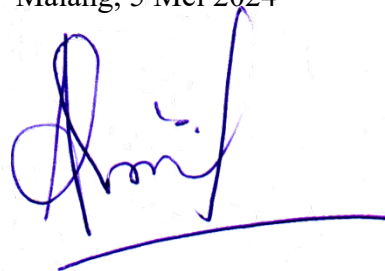
No.	Jenis Kegiatan	Tahun	Posisi dalam Kegiatan
1	Reviewer Analytica Chimica Acta (Jurnal Internasional)	From 2009	Reviewer
2	Reviewer Talanta (Jurnal Internasional)	From 2009	Reviewer
3	Reviewer Microchimica Acta (Jurnal Internasional)	From 2009	Reviewer
4	Reviewer Analytical Sciences (Jurnal Internasional)	From 2009	Reviewer
5	Reviewer Analytical Letters (Jurnal Internasional)	From 2019	Reviewer
6	Reviewer Journal of Electronic Materials (Jurnal Internasional)	From 2019	Reviewer
7	Reviewer Results in Physics (Jurnal Internasional)	From 2020	Reviewer
8	Reviewer Heliyon (Jurnal Internasional)	From 2020	Reviewer
9	Reviewer Measurement (Jurnal Internasional)	From 2020	Reviewer
10	Reviewer Chemical Data Collections (Jurnal Internasional)	From 2020	Reviewer
11	Reviewer International Journal of Renewable Energy Development (Jurnal Internasional)	From 2020	Reviewer

12	Reviewer Materials Today Communications (Jurnal International)	From 2021	Reviewer
13	Reviewer Material Chemistry & Physics (Jurnal International)	From 2021	Reviewer
14	Reviewer Advanced Powder Technology (Jurnal International)	From 2021	Reviewer
15	Reviewer Chemistry Letters (Jurnal International)	From 2021	Reviewer
16	Reviewer Soft Matter (Jurnal International)	From 2021	Reviewer
17	Reviewer Walailak Journal of Science and Technology (Jurnal International)	From 2021	Reviewer
18	Reviewer Talanta Open (Jurnal International)	From 2021	Reviewer
19	Reviewer Separation and Purification Technology (Jurnal International)	From 2016	Reviewer
20	Reviewer The Scientific World Journal (Jurnal International)	From 2009	Reviewer
21	Reviewer Malaysian Journal of Fundamental and Applied Sciences (Jurnal International)	From 2017	Reviewer
22	Reviewer Clinical Nutrition Experimental (Jurnal International)	From 2016	Reviewer
23	Reviewer Arabian Journal of Chemistry (Jurnal International)	From 2014	Reviewer
24	Reviewer Journal of the Taiwan Institute of Chemical Engineers (Jurnal International)	From 2015	Reviewer
25	Reviewer Journal of Liquid Chromatography & Related Technologies (Jurnal International)	From 2016	Reviewer
26	Reviewer International Journal of Environmental Analytical Chemistry (Jurnal International)	From 2011	Reviewer

27	Reviewer Makara Journal of Science (UI)	From 2016	Reviewer
28	Reviewer Valensi (UNJ)	From 2017	Reviewer
29	Reviewer Alchemy (UNS)	From 2017	Reviewer
30	Reviewer Natural B (UB)	From 2010	Reviewer
31	The Journal of Pure and Applied Chemistry Research (UB)	2012 – present	Associate Board Editor
32	Analytical Sciences (JASC/ Springer Nature Group)	2018 – present	Executive Associate Editor
33	Journal of the Indonesian Chemical Society	2019-present	Managing Editor

Semua data yang saya isikan dan tercantum dalam biodata ini adalah benar dan dapat dipertanggungjawabkan.

Malang, 5 Mei 2024



Akhmad Sabarudin