

# CURRICULUM VITAE

## Personality

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## EDUCATION

year	Education program	Perguruan Tinggi	Departmen
1992	Undergraduate,	Padjadjaran University	Geology
2002	Master Degree	Osaka City University, Japan	Hydrogeology
2005	Doctor Degree	Osaka City University, Japan	Hydrogeology

## PROFESIONAL TRAINNING

Year	Trainning	Organized	Time
1998/1999	English and Japanese languages	Ministry of education of Indonesia	August 1998 – January 1999
1999	Japanese Studies Program	Osaka University of Foreign Studies	April 1999 – September 1999
2009	Applied Approach (AA) for education	Padjadjaran University	During 21 days, December 2009

## TEACHING EXPERIANCE

Subject	Education program	Institution	Academic year
Hydrogeology	Undergraduate	Geology departmen	1995 until now
Groundwater	Undergraduate	Geology	1995 until now

hydraulics		departmen	
Environmental Geology	Undergraduate	Geology departmen	1995 until now
modelling Hydrogeology	Undergraduate	Geology departmen	1995 until now
Applied Hydrogeology	Master Course	Geology departmen	1997 until now
Groundwater Basin	Doctor Course	Geology departmen	1997 until now
Environmental research project	Master and Doctor Course	Postgraduate school	2015 until now

### PRODUCT OF TEACHING MATERIAL

SUBJECT	Education program	PRODUCT	YEAR
Hydrogeology	Undergraduate	Modul	2005
Groundwater hydraulics	Undergraduate	Modul	2006
Environmental Geology	Undergraduate	Modul	2006
modelling Hydrogeology	Undergraduate	Modul	2007
Applied Hydrogeology	Master Course	Book	2010
Groundwater Basin	Doctor Course	Modul	2011

### Research Experience

Year	Research title	Leader/member of team	Funding
2005	Research for herritage area, west Java, Gua Pawon area, west Java	Team Leader	Government
2005	Identification of groundwater conservation, surrounding Tangerang City.	Member of Tim	Government
2006-2007	Study to delineate the recharge area of springs and to quantify the recharge rate of Cicurug, Sukabumi, West Java Province	Team Leader	Danone, France
2007	Study of groundwater contamination at the nothern part of Bandung area, west java	Team Leader	Government
2007	Groundwater potential at the NTF Plantation area	Team Leader	PT. NTF, Wae Kambas, Lampung
2008	Study to delineate the recharge area of springs and to quantify the	Team Leader	Danone, France

	recharge rate of Ciomas-Serang, Banten Province		
2009	Study of mud volcano in the. Banten area	Team Leader	Government
2012	Study to delineate the recharge area of springs and to quantify the recharge rate of Gunung Salak and Gunung Gede Pangrango, Ciherang Bogor Province	Team Leader	Danone, France
2013	Study of master plan for conservation groundwater surrounding Cidawu, Sukabumi, west Java (implementation program)	Team leader	Danone, France
2014-2015	Study of master plan for conservation groundwater surrounding campus of Unpad, Jatinangor, Sumedang, West Java	Team Leader	Government, the Ministry of research and High Education
2015-2019	Study of leaching groundwater on oil field using stable isotope	expert	chevron

## Publication

### A. Book/ Journal

year	title	Journal
2002	Hendarmawan, Unconfined aquifer system of volcanics in the Northern part of Bandung basin, West Java, Indonesia	Journal of Geosciences Osaka City Univ., 45: 1-12.
2002	Kumai, H. and Hendarmawan., Groundwater local flowsystems in volcanic slope: a case study on the Bandung City area, Indonesia.	Journal of Ground Water Technology, 10: 31-38.
2003	Kumai, H. and Hendarmawan., Groundwater local flowsystems in volcanic slope: a case study on the Bandung City area, Indonesia.	Consortium corporation Institute of groundwater Physic-chemistry, Japan, vol. 11 march, 2003
2004	Hendarmawan, Kumai, H., and Mitamura M., Application of stream hydrograph separation method to estimate the recharge in the northern part of the Bandung Basin, west Java, Indonesia.	Journal of Groundwater Hydrology, 3: 213-225.

2005	Hendarmawan, Temperatures diffusion rate of weathered soil in a tropical area: A case study in surrounding Lembang, West Java, Indonesia,	Journal of Geosciences Osaka City University, 48:1-15.
2005	Hendarmawan, Mitamura, M., and Kumai, H., Water temperature and electrical conductivity of springs on the volcanic slope in a tropical region: A case study on Lembang area, West Java, Indonesia	Journal of Earth Science, 59: 155-166.
2008	Groundwater Management and Related Water Resources Issues in the Southeast Asia and East Asia Region (Hendarmawan halaman 33-49)	Book published by LIPI PRESS, member of Ikapi, ISBN 978-979-799-397-9
2008	Groundwater Management and Related Water Resources Issues in the Southeast Asia and East Asia Region (Sri Hartati Soenarmo, Adjat Sudradjat, Ildrem Syafri, Hendarmawan, halaman 75-80)	Book published by LIPI PRESS, member of Ikapi, ISBN 978-979-799-397-9
2009	Hendarmawan, Zainal Abidin, Boy Yoseph CSSSA, Akhmad Zaennudin, Karakter Airtanah Semburan Lumpur dari Sumur Pemboran di Kampung Astana Agung, Desa Walikukun, Kecamatan Carenang, Kabupaten Serang, Banten	Jurnal Geologi Lingkungan, PLG, Geological Agency
2010	Analisis Fenomena Kehilangan Air S Cisuwarna, Penulis ke 2	Jurnal Teknik Hidraulik Vol. 1 No.1 Juni 2010, ISSN 2087-3611
2010	Ground Penetrating Radar (GPR) survey on the Lava Flow in the Subang Area, West Java Province, Indonesia, Penulis 1	Bulletin of Scientific Contribution, Vol 8, Nomor 2, Agustus 2010, ISSN 1693-4873
2011	Recharge Area on the Slopes of Volcano Based on Geological Setting, Content of Deuterium and Oxigen Isotopes of Groundwater Chemistry: Case Study on the Slopes of Salak Mountain, West Java	J Trop Soils, Vol. 16, No. 3, 2011: 247-258 ISSN 0852-257X Available online at: <a href="http://journal.unila.ac.id/index.php/tropicalsoil">http://journal.unila.ac.id/index.php/tropicalsoil</a> DOI: 10.5400/jts.2011.16.3.247

2011	PENDUGAAN NILAI TAHANAN JENIS BATUAN SEBAGAI UPAYA UNTUK MENGETAHUI STRUKTUR GEOLOGI YANG BERKEMBANG PADA ENDAPAN VULKANIK DI KEC. PADARINCANG, PROVINSI BANTEN	Buletin Sumber Daya Geologi Volume 6 Nomor 2 – 2011
2014	Study of Recharge Area for Supporting Geopark Conservation on the Slopes of Batur Volcano Based on Geological Setting, Content of Deuterium and Oxygen Isotopes of Groundwater Chemistry	Publisher Stone Hammer, Saint John, Canada Conference International UNESCO Conference on Global Geoparks Volume 6
2015	Satrio <sup>1</sup> , Hendarmawan <sup>2</sup> , M. Sapari Dwi Hadian <sup>2</sup> dan E. Ristin Pujiindiyati <sup>1</sup> : Characteristics of Shallow Groundwater of Semarang City in the Rainy Season Based on Stable Isotopes ( <sup>18</sup> O, <sup>2</sup> H) and Water Chemistry	A Scientific Journal for The Applications of Isotopes and Radiation Vol. 11 No. 1 Juni 2015
2016	Cipta Endyana <sup>1</sup> , Hendarmawan <sup>2</sup> , Emmy Sukiyah <sup>3</sup> , Irwan Ary Dharmawan <sup>4</sup> : Controlling Groudwater System by Pattern Fracture Approach in Subsurface Volcanic Deposit: Mt.Salak-Mt.Pangrango, West Java, Indonesia	Earth and Environmental Science <b>29</b> (2016) 012029 doi:10.1088/1755-1315/29/1/012029
2017	<u>Novico, Franto; David, Menier; Iskandar, Teuku; Ranawjaya, Duddy; Rahardiawan, Riza; Saputra, Eko; Subarsyah, Subarsyah; Ali, Arif; Endiyana, Cipta; Mathew, Manoj; Hendarmawan, Hendarmawan,</u> Nature and evolution of the Quaternary coastal sedimentary wedge of the northern part of Java Island	19th EGU General Assembly, EGU2017, proceedings from the conference held 23-28 April, 2017 in Vienna, Austria., p.8345

2019	Rudy Suhendar, M. Sapari Dwi Hadian, Budi Muljana, Taat Setiawan, Hendarmawan Hendarmawan, <i>Geochemical Evolution and Groundwater Flow System in Batujajar Groundwater Basin Area, West Java, Indonesia</i>	Indonesian Journal of Geoscience <u>Vol 7, No 1 (2020)</u>
2019	Nofi Muhammad Alfian Asghaf <sup>1,2</sup> , Boy Yoseph CSSS Alam <sup>1</sup> , dan Hendarmawan <sup>1</sup> , Characteristic Identification of Groundwater Infiltration Area Based on the CO <sub>2</sub> Partial Pressure and the Calcite Saturation Indices (SI <sub>c</sub> ) in Watuputih Karst Hills	Jurnal Lingkungan dan Bencana Geologi, Vol. 10 No. 2, Agustus 2019: 27 - 39
2020	S. Kurniawan <sup>1,2</sup> , Hendarmawan <sup>1</sup> , Y.A Sendjaja <sup>1</sup> and E.T Yuningsih, The Integration of Geochemical Characteristics and Stable Isotopes Analyses of <sup>2</sup> H and <sup>18</sup> O in the Paleogene Carbonate Rocks Unit of the M-Field, Ciputat Sub-Basin, North West Java Basin, Indonesia	Jurnal Geologi dan Sumberdaya Mineral - Terakreditasi KEMENRISTEKDIKTI No. 21/E/KPT/2018 Berlaku sejak Volume 17 Nomor 1 Tahun 2016 sampai Volume 21 Nomor 4 Tahun 2020
2020	Taat Setiawan <sup>1,2</sup> & Boy Yoseph C. S. S. Syah Alam <sup>1</sup> & Eko Haryono <sup>3</sup> & Hendarmawan <sup>1</sup> , Hydrochemical and environmental isotopes analysis for characterizing a complex karst hydrogeological system of Watuputih area, Rembang, Central Java, Indonesia	Hydrogeology Journal <a href="https://doi.org/10.1007/s10040-020-02128-8">https://doi.org/10.1007/s10040-020-02128-8</a>

### B. Seminar Paper/Poster

year	Title	Organized
2006	Groundwater development for drinking water industry	Ministry of ESDM, Badan Geologi, PLG
2007	Water temperature and electrical conductivity of springs on the volcanic slope in a tropical region related with groundwater system	Indonesian hydrological Society (HIS); RIHN, Kyoto Jepang, LIPI, RCWR, BMKG

	for early warning in shallow groundwater contamination: A case study on Lembang area, West Java, Indonesia	
2007	The Eco-hydrogeometeorological Analysis of Bandung's Basin, Based on the Rainfall Characteristics and Satellite Image Processing	Indonesian hydrological Society (HIS); RIHN, Kyoto Jepang, LIPI, RCWR, BMKG
2008	Ketepatan penentuan kawasan konservasi airtanah pada daerah vulkanik	Badan Geologi
2008	Water deficits and surplus mapping based on image processing technique in Bandung Basin	HAGI
2009	The spatial relation of evapotranspiration, rain intensity and surface run off in Bandung Basin, based on satellite image processing	Suntec Singapore International
2009	Penelitian semburan lumpur di Kec. Carenang Kab. Serang Prov. Banten	Pengda IAGI Jabar-Banten
2014	Study of Recharge Area for Supporting Geopark Conservation on the Slopes of Batur Volcano Based on Geological Setting, Content of Deuterium and Oxygen Isotopes of Groundwater Chemistry	International UNESCO Conference, Canada
2015	Pitfall in geophysical data interpretation, in groundwater exploration	Earth Dialouges International Symposium on Geophysical Issues. For short PEDISGI 2015.

### C. /Editor/Reviewer/

Year	title	Journal
2008	Reviewer; Potensi air tanah di cekungan air tanah Sambas, Provinsi Kalimantan Barat	Jurnal Geologi Indonesia (page 205-216)
2009	Reviewer; Penentuan Pola Sebaran Air tanah dalam Daerah Bekasi menggunakan Radioisotop <sup>14</sup> C	Journal of Geological Resources (page 17-22)
2009	Reviewer; Subsurface Temperature Warming in Jakarta City Global Warming vs Urbanization	Majalah Geologi Indonesia (page 63-75)

2015-sekarang	Hydrogeological interest:	Indonesian journal on Geoscience (international journal)
2016	The Major Ions for Tracing Leachate Migration within Shallow Groundwater in the Vicinity of Municipal Landfill in Bantar Ge	INDONESIAN JOURNAL of CHEMISTRY
2016	Title: Preliminary Hydrochemical Assessment of Unconfined Aquifer System in Bayat Melange Complex, Klaten, Indonesia	the Arabian Journal of Geosciences:
2016		International Journal of water

### KONFERENSI/SEMINAR/LOKAKARYA/SIMPOSIUM

year	Theme of activities	organized	Presenter
2006	Lokakarya Rekayasa Air tanah Nasional	Departemen ESDM, Badan Geologi, PLG	Presenter
2007	International symposium and workshop on current problem in groundwater management and related water resources issues 3-8 December in Bali	Indonesian hydrological Society (HIS); RIHN, Kyoto Jepang, LIPI, RCWR, BMKG	Presenter
2007	International symposium and workshop on current problem in groundwater management and related water resources issues 3-8 December in Bali	Indonesian hydrological Society (HIS); RIHN, Kyoto Jepang, LIPI, RCWR, BMKG	Presenter
2008	Seminar air tanah	Badan Geologi	Presenter
2008	PIT HAGI 33	HAGI	Presenter
2009	Asian Conference & Exhibition on Geospatial Information, Technology and Applications	Suntec Singapore International	Presenter
2009	Diskusi tentang Cebakan Gas dan Air Tanah pada semburan lumpur Banten	Pengda IAGI Jabar-Banten	Presenter
2009	Pedoman Study GGR	FTG Unpad dan BPMIGAS	Commite
2009	Menggali Kearifan Lokal dalam Penanganan Bencana Alam	LPPM Unpad	Participant
2009	Optimali Peran dan fungsi Dosen Wali	PR IV unpad	Participant
2014	Study of Recharge Area for Supporting Geopark Conservation on the Slopes of Batur Volcano	International UNESCO Conference on	Presenter



	Based on Geological Setting, Content of Deuterium and Oxygen Isotopes of Groundwater Chemistry	Global Geoparks	
2015	Pitfall in geophysical data interpretation, in groundwater exploration	Earth Dialogues International Symposium on Geophysical Issues. <b>For short PEDISGI 2015.</b>	Invited speaker
2016	The Hydrogeology Volcanic Base on Volcanic Facies Groundwater Chemical Content and Stable Isotope Groundwater	2016 2nd International Conference on Water Technology -ICWT	Presenter

#### **PROFESIONAL ACTIVITIES/PUBLIC SERVICE**

Tahun	Name of Activities	Place
2005	Menjadi narasumber untuk rancangan Pergub tentang, pengelolaan pasir besi, perlindungan kawasan karst, pengendalian air tanah	Bandung
2005	Sebagai dosen pembimbing lapangan dalam Kuliah Kerja Nyata Mahasiswa	Kel. Cicaheem dan Kel. Kiaracondong, Bandung
2005	Memberikan penyuluhan potensi geologi	Bantarujeg, Majalengka, West Java
2005	Memberikan penyuluhan geologi pantai	Kalipucang, Pangandaran, West Java
2005	Pelatihan pendidikan dan latihan alam bebas sebagai upaya pengendalian diri menjadi kader kreatif dan mandiri siswa sma Negeri 19 Bandung	Bandung
2005	Penyuluhan di kawasan gua pawon	Kabupaten Bandung
2005	Penyuluhan lingkungan di wilayah kuasa pertambangan PT. Alhasanie	Samarinda, Borneo
2006	Pengawas panitia local-Bandung SPMB 2006	Bandung
2009	Khutbah Idul Adha	Mesjid/lapngan Unpad
2009	Sosialisasi kebencanaan di Bandung dan sekitarnya	Walikota Bandung

OCCUPATION			
YEAR	Unit	occupation	Place
2007	Geology departmen, FMIPA, Universitas Padjadjaran	Chairman of Department	Jatinangor, Sumedang
2008 – 2015	Faculty of Geology, Universitas Padjadjaran	Dean	Jatinangor, Sumedang
2016-2020	Postgraduate school, Universitas Padjadjaran	Dean	Bandung
2020 Feb-Now	Universitas Padjadjaran	Vice Rector 3	Bandung

ORGANIZATION MEMBERSHIP		
YEAR	Organization	Position
1992	IAGI (geology association of Indonesia)	Member
2000	International Association of Hydrogeologists	Member
2006	HAGI	Member
2009	IAGI	Coordinator for groundwater
2013	IAGI for west Java	Secretaris general

AWARD / PENGHARGAAN			
Tahun	Nama Penghargaan	Penyelenggara	Kegiatan Unggulan
2003	Hasil Riset terilih untuk bidang air tanah	Consortium corporation Institute of groundwater Physic-chemistry, Japan	<b>Judul hasil riset:</b> Groundwater local flowsystems in volcanic slope: a case study on the Bandung City area, Indonesia. <b>Peneliti:</b> Kumai, H. dan Hendarmawan
2007	The best five piper	International symposium and workshop on current problem in groundwater management and related water resources issues Indonesian hydrological Society (HIS); RIHN, Kyoto Jepang, LIPI, RCWR, BMKG	Judul: Enviromental indication based on water temperature and electrical conductivity of springs on the volcanic slope in a tropical region: A case study on Lembang area, West Java, Indonesia Penulis: Hedarmawan
2013	Indonesia Green Awards, Kategori pelestari sumber daya air	Indonesia Green Awards, The La Tofi of CSR	Riset Air Tanah (2007-2013) untuk master plan konservasi <b>Inspirasi riset hidrogeologi yang berbasis multi-disiplin:</b> Komprehensif hidrogeologi

			<p>(isotope stabil)  Ilmu Komunikasi masyarakat  Ilmu peternakan dan pertanian  Ilmu teknik sipil  Keterlibatan industri dan masyarakat</p> <p><b>Hasil riset dan implementasi:</b>  Daerah resapan jadi subur, perikanan dan pertanian tumbuh untuk tambahan penghasilan masyarakat  Pengguna air tanah di kawasan industry bagian hilir di Cicurug Sukabumi suplai air terjamin.</p> <p><b>Peneliti:</b>  Hendarmawan dibantu 8 Doktor bidang tsb di atas.</p>
2013	As an External Examiner for Universiti Malaysia Kelantan, examiner to the Faculty of Earth Science	Universiti Malaysia Kelantan	<p><b>Nara Sumber dan penguji:</b>  Sistem pembelajaran  Pengembangan Dosen  Kurikulum dan kompetensi  Riset dan pengembangan</p> <p><b>Peneliti:</b>  Hendarmawan</p> <p><b>Peserta:</b>  Seluruh dosen Fakultas, Departemen dan lab.</p>
2014	Indonesia Green Awards, Kategori green campus	Indonesia Green Awards, The La Tofi of CSR	<p>Riset Air Tanah (2011-2019) untuk master plan konservasi</p> <p><b>Inspirasi riset hidrogeologi yang berbasis multi-disiplin:</b>  Komprehensif hidrogeologi (isotope stabil)  Ilmu Komunikasi masyarakat  Ilmu peternakan dan pertanian  Ilmu teknik sipil  Keterlibatan industri dan masyarakat  Riset energy ramah lingkungan dari sampah kampus</p> <p><b>Hasil riset dan implementasi:</b>  Riset konservasi air tanah telah diselesaikan, untuk disain dan keterlibatan masyarakat dilaksanakan 2015-2019</p>

			Riset sampah (daun pepohonan yang gugur dan sampah domestic kampus) menghasilkan gas metan <b>Peneliti:</b> Hendarmawan dibantu 10 Doktor bidang tsb di atas.
2015	Peserta kehormatan (non anggota) konsisten dalam: <b>Applying Isotope Techniques to Investigate Groundwater Dynamics and Recharge Rate for Sustainable Groundwater Resource Management</b>	<b>IAEA/RCA Final Progress Review Meeting</b>	<b>Presentasi:</b> Konservasi air tanah dengan pendekatan isotope stabil air tanah (10 tahun lebih secara menerus di beberapa lokasi. Setiap satu lokasi studi isotope dalam 1 tahun, sebelumnya tidak pernah dilakukan di Indonesia <b>Peneliti:</b> Hendarmawan dan tim (4 Doktor)
2017	The winner of Green World Award for category environmental practice	The Green Organization supported by the environment Agency, in International	Penelitian dan implementasi konservasi air tanah dengan pendekatan multidisiplin Ketua Hendarmawan dan Tim

Bandung, Indonesia, July 2020

TTD

(Prof Dr. Ir. Hendarmawan, M.Sc)