

PERSONAL DATA

Name : Dasapta Erwin Irawan
Birth place/date: Surabaya, 17th April 1976
Nationality : Indonesian
Email : [dasaptaerwin\[@ \]outlook\[. \]co\[. \]id](mailto:dasaptaerwin[@]outlook[.]co[.]id) + [erwin\[@ \]fitb\[. \]itb\[. \]ac\[. \]id](mailto:erwin[@]fitb[.]itb[.]ac[.]id)
Affiliation : Applied Geology Research Division, Faculty of Earth Sciences and Technology, Institut Teknologi Bandung, Indonesia
Scientific profile : Research Gate – http://researchgate.net/profile/dasapta_irawan
Google Scholar – <https://scholar.google.co.id/citations?user=Myvc78MAAAAJ&hl=en&authuser=1>
ORCID - 0000-0002-1526-0863
Online resources: blogs <http://derwinirawan.wordpress.com>, <http://dasaptaerwin.net/wp>
Github <http://github.com/dasaptaerwin>

EMPLOYMENT HISTORY

Work Experience

Academic-Teaching

- 2007–now Full Time Lecturer/Researcher, Research Division on Applied Geology, Faculty of Earth Sciences and Technology, ITB
Undergraduate courses: General Hydrogeology
Master courses: Groundwater Geology, Groundwater Investigation Method, Research Methodology
- 2005–2007 Academic Assistant, Research Division on Applied Geology, Faculty of Earth Sciences and Mineral Technology, ITB
- 2001–2008 Lecturer, Department of Geology, Institut Teknologi dan Sains Bandung (ITSB)
- 1998–2005 Research assistant, Laboratory of Hydrogeology, Department of Geology, Faculty of Earth Sciences and Mineral Technology, ITB

Academic-Managerial Experience

- 2016 Member of proposal team for ASIIN international accreditation
- 2016 Member of academic performance standards
- Mar 2015–now Secretary of ITB Management Board for Business Units and Endowment Fund
- Mar–Dec 2015 Member of ITB otonomy preparation team
- 2014–Dec 2014 Member of accreditation team for Geology undergrad program
- 2014–Dec 2014 Member of accreditation team for Groundwater Engineering master program
- 2013 Member of Independent Reviewer Team for Regional Planning Program Competition, Employer: West Java Province Board of Regional Planning and Development (Prof.Dr. Deny Juanda Puradimaja)
- 2012–now Member of Action Research on Human Resources Development, Employer: West Java Province Board of Regional Planning and Development (Prof.Dr. Deny Juanda Puradimaja)
- 2012–Feb '14 Secretary of Board of Commercial Unit ITB
- 2012 Manager of Collaboration Affairs, Faculty of Earth Sciences and Technology, ITB.
- 2012 Member of Curriculum Evaluation Team, Department of Geologi (Undergraduate Program), ITB.
- 2012 Member of Curriculum Evaluation Team, Department of Groundwater Engineering (Master Program), ITB.
- 2012 Member of Matriculation Team for 1st Year Students, Faculty of Earth Sciences and Technology, Department of Geologi (Undergraduate Program).
- 2010–now Coordinator for undergraduate thesis seminar, Department of Geology, Faculty of Earth Sciences and Technology, ITB.
- 2007–2010 General affairs coordinator, Faculty of Earth Sciences and Technology, ITB.
- 2010 Member of Accreditation Team, Department of Groundwater Engineering, Faculty of Earth Sciences and Technology, ITB.
- 2009 Member of Accreditation Team, Department of Geology (Undergraduate Program), Faculty of Earth Sciences and Technology, ITB.

- 2009 Member of Accreditation Team, Department of Geology (Master Program), Faculty of Earth Sciences and Technology, ITB.
- 2008-now Member of West Java Province Regional Planning Committee, Employer: West Java Province Board of Regional Planning and Development (Prof.Dr. Deny Juanda Puradimaja)
- 2007 Member of Curriculum Team, Department of Groundwater Engineering, Faculty of Earth Sciences and Mineral Technology, ITB.
- 2006 Member of Initiator Team, Department of Groundwater Engineering, Faculty of Earth Sciences and Mineral Technology, ITB.
- 2005-now Students Recruitment Committee, Faculty of Earth Sciences and Technology, ITB.
- 2005-now Member of Board of Reviewers for Competitive Grant, organized by the Government of West Java Province, Team leader: Dr. Ichary Sukirno
- 2003-2005 Project coordinator, Vice Rector Office for Resources, ITB.
- 2002-2003 Project coordinator, The Foundation for Research and Industry Affiliation, ITB.
- 2000-2004 Project coordinator, Board of Reviewers, Directorate General of Higher Education, Ministry of National Education.

Invited Lecture/Resource Person/Visiting Researcher/Speaker (2008-2015)

2016

- Resource person, Science Communication, Faculty of Economics and Business, Universitas Padjadjaran, 30 June 2016.
- Resource person, Open data for provincial government, Board of Regional Planning and Development, West Java Province, June 2016.
- Resource person, Science Communication, Faculty of Economics and Business, Universitas Islam Bandung, May 2016.
- Resource person, Introduction to R for Computational Chemistry, Institut Teknologi Bandung, April 2016.

2015

- Resource person, Activity planning: managing KPI, West Java Province Agency for Plantation, 15 June 2015.
- Resource person, Hydrogeological analysis using open source tools: case Cikapundung River, Bandung, Sarasehan Geologi Populer, Geological Survey Agency, 13 Mar 2015.
- Resource person, Introduction to R, ITB, 19 Jan 2015.
- Resource person, Introduction to R, ITB, 16 Mei 2015.
- Resource person, Citation Management, ITB, 18 Jan 2015.
- Resource person, Citation Management, ITB, 10 April 2015.

2014

- Resource person, Seminar on Water Crisis in Balikpapan, Hotel Benakutai, Balikpapan, 25 Nov 2014.

2013

- Resource person, Groundwater Pricing Regulation of Bandung, West Java.

2012

- Resource person, Groundwater Management Regulation of Bandung, West Java.
- Resource person, Bottled Water Regulation, Board of Drug and Food Monitoring of Indonesia.

2011

- Invited resource person, Regional Development based on Environmental Support Meeting, Office for Public Works, Tangerang, West Java.
- Invited resource person, Geothermal Development in West Java, Board of Regional Planning and Development.
- Invited speaker, One Day Workshop: Managing Conservation Area of Mt. Ciremai, Office for Mining and Energy, Kuningan Regency, West Java.

2010

- Invited speaker, One Day Workshop: Managing Conservation Area of Mt. Ciremai, Office for Mining and Energy, Kuningan Regency, West Java.
- Invited speaker, Two Days Workshop: Groundwater Exploration, Office for Public Works, Pandeglang Regency, Banten.

2009

- Visiting researcher at Center for Environmental Remote Sensing (CEReS), Chiba University, Jepang (Nov-Dec).
- Invited speaker, One Day Workshop: Earth Resources and Environmental Management, Office for Energy and Mineral Resources, East Java.

2008

- Invited speaker, One Day Workshop: Groundwater Vulnerability: Case Study Jakarta, Office for Energy and Mineral Resources, Jakarta.

Scientific Journal Editorialship

- 2008-now Role : Associate Reviewer, Indonesian Geology Journal,
 Publisher : Indonesian Geological Survey
- 2008-now Role : Associate Reviewer, Journal Ristek,
 Publisher : Geotechnology Division of Indonesian Science Foundation (LIPI)
- 2008-now Role : Associate Reviewer, Indonesian Geology Magazine,
 Publisher : Indonesian Association of Geologist
- 2005-now Role : Editorial Board Member, Journal Geoaplika
 Publisher : Faculty of Earth Sciences and Technology, ITB

PROFESSIONAL EXPERIENCE

2016

- Project : BPLH Rainwater Harvesting Design for Bandung Area, Bandung, West Java, Indonesia.
 Role : Hydrogeologist (Team leader)
 Funding from : Bandung Agency for Environmental Management
- Project : Disbun Groundwater regulation review
 Role : Hydrogeologist (Team leader)
 Funding from : Bandung Agency for Environmental Management
- Project : Kendal Groundwater regulation review
 Role : Hydrogeologist (Team leader)
 Funding from : Bandung Agency for Environmental Management

2015

- Project : Rainwater Harvesting Design for Bandung Area, Bandung, West Java, Indonesia.
 Role : Hydrogeologist (Team leader)
 Funding from : Bandung Agency for Environmental Management
- Project : Groundwater regulation review
 Role : Hydrogeologist (Team leader)
 Funding from : Bandung Agency for Environmental Management
- Project : Updating groundwater level and quality 2016
 Role : Hydrogeologist (Team leader)
 Funding from : Bandung Agency for Environmental Management
- Project : Spatial analysis of plantation areas, West Java, Indonesia.
 Role : Hydroecology analyst (Team leader)
 Funding from : West Java Province Agency for Plantation

2013-2014

- Project : Development of Kendal Industrial Complex. As Hydrogeologist
Funding from : The Kendal Industrial Complex, private company
- Project : Groundwater Basic Pricing Update in Bandung Area, West Java
Funding from : Office of Environmental Management of Bandung City Government

2012

- Project : Groundwater Well Testing and Water Supply Assessment at Langsa, East Aceh, Sumatera, Indonesia
Funding from : Medco Company

2011

- Project : Academic Draft for Groundwater Management Regulation
Funding from : Board of Environment, Bandung
- Project : Hot Springs Mapping for Geotourism Object
Funding from : Board of Planning and Development, West Java Province

2010

- Project : Hydrogeological Analysis on the Northern Bandung Recharge Area
Funding from : Board of Planning and Development, West Java Province
- Project : Geothermal Prospection of Tiris Area, Probolinggo, East Java
Funding from : Board of Planning and Development, West Java Province

2009

- Project : Groundwater Potential Mapping at, Bogor Regency
Funding from : The Indonesian Army Training Center

2008

- Project : Groundwater Potential Identification of Rembang Area
Funding from : Board of Planning Rembang Regency

2007

- Project : Groundwater Potential Identification of Cimahi Area
Funding from : Office for Environment, Cimahi
- Project : Groundwater Vulnerability of Jakarta Area
Funding from : Ministry of Energy and Mineral Resources

2006

- Project : Groundwater Vulnerability in Coastal Areas of Semarang, Mid Java
Funding from : Office for Mining and Energy Mid Java Province

2005

- Project : Groundwater Inventarization and Mapping at Cimahi, West Java.
Funding from : Office for Environment, Cimahi

2003-2004

- Project : Construction of Groundwater Monitoring and Controlling System at Tangerang Regency, Banten, West Java
Funding from : Office for Environment, Tangerang Regency

2002

- Project : Inventarisation of Groundwater Potential of North Coastal of Java Island, Mid Java Province Government
Funding from : Office for Energy and Mineral Resources, Mid Java Province

2001

- Project : Feasibility Study of MRT System in Jakarta, Jakarta Province Government LAPI ITB
Funding from : Board of Planning and Development, Jakarta

2000

- Project : Groundwater Spring Survey at Sumedang Areas, Sumedang Regency Government – LAPI ITB
Funding from : Office for Environment, Sumedang Regency

1999

- Project : Vulnerability of Groundwater in Ultrabasic Rocks Aquifer System, Malili, South Sulawesi
Funding from : Ministry of Environment

RESEARCH EXPERIENCE

2016

- Project : Designing groundwater data portal for Bandung city.
Role : Hydrogeologist (Team leader)
Funding from : Ministry of Research, Technology and Higher Education

- Project : Multivariate analysis on hydrochemical data to identify geothermal system.
Role : Hydrogeologist (Team leader)
Funding from : ITB research fund

2015

- Project : 3D modeling of Cikapundung Riverbank, Bandung, West Java, Indonesia.
Role : Hydrogeologist (Team leader)
Funding from : ITB research fund
- Project : Volcanic aquifer system of southern Bandung highlands, West Java, Indonesia.
Role : Hydrogeologist (Team leader)
Funding from : ITB research fund

2013-2014

- Project : Interactions between groundwater and river water: case Cikapundung River, bandung, West Java, Indonesia.
Role : Hydrogeologist (Team leader)
Funding from : Private funding

2013

- Project : Modeling of Sea Water Intrusion to River and Groundwater System, at Karawang Coastal Area, West Java, Indonesia.
Role : Hydrogeologist (Member)
Funding from : ITB research grant

2012

- Project : Multiple Technique Observation of Groundwater Springs Hydrology, Northern Bandung Area, Indonesia.
Role : Hydrogeologist (Team Leader)
Funding from : ITB research grant

2011

- Project : Identification of Groundwater Potential and Conservation Zone of Tangerang
Role : Hydrogeologist (Team Leader)
Funding from : Public Works Office of Tangerang
- Project : The Hydrostratigraphy of Bandung Basin
Role : Hydrogeologist (Team Leader)
Funding from : ITB Competitive Research Grant
- Project : The Morphometry of Northern Bandung Area
Role : Hydrogeologist
Funding from : ITB Competitive Research Grant
- Project : Hydrogeology in CBM Field, MuaraEnim
Role : Hydrogeologist
Funding from : Pertamina

2010-2011

- Project : Stratigraphical Correlation of Halang Formation based on High Resolution Biostratigraphy and Hydrocarbon Potential, Banyumas Area, Mid Java.
Role : Geologist
Funding from : ITB Competitive Research Grant

2009

- Project : Application of Hydrochemical Tracer Technology to Reconstruct Groundwater Hydrodynamics in Volcanic Aquifer System of Mt. Ciremai.
 - Role : Hydrogeochemist
 - Funding from : ITB Competitive Research Grant
- 2008
 - Project : Fracture Mapping on Karst Area of Cijulang, South Ciamis West Java.
 - Role : Hydrogeochemist
 - Funding from : ITB Competitive Research Grant
 - Project : Application of Hydrochemical Tracer Technology to Reconstruct Groundwater Hydrodynamics in Volcanic Aquifer System of Mt. Ciremai.
 - Role : Hydrogeochemist
 - Funding from : ITB Competitive Research Grant
- 2007
 - Project : Hydrodynamic Relation of River Water and Groundwater at Cisadane River Banks.
 - Role : Groundwater flow analyst
 - Funding from : Indonesia Higher Education Competitive Research Grant
- 2006
 - Project : Characterization Volcanic Hydrogeology. Case Study: Mt. Ciremai, Mt. TangkubanPerahu, Mt. Gede, Mt. Karang.
 - Role : Hydrogeochemist
 - Funding from : ITB Competitive Research Grant
 - Project : Characterization Volcanic Hydrogeology. Case Study: Mt. Ciremai, Mt. TangkubanPerahu, Mt. Gede, Mt. Karang.
 - Role : Hydrogeochemist
 - Funding from : Indonesia Higher Education Competitive Research Grant
 - Project : Hydrodynamic Relation of River Water and Groundwater at Cisadane River Banks.
 - Role : Groundwater flow analyst
 - Funding from : Indonesia Higher Education Competitive Research Grant
- Project : Hydrogeological Characterization of Fractured Limestone Aquifer, Padalarang Area.
 - Role : Hydrogeologist
 - Funding from : Laboratory of Hydrogeology
- 2005
 - Project : Characterization Volcanic Hydrogeology. Case Study: Mt. Ciremai, Mt. TangkubanPerahu, Mt. Gede, Mt. Karang.
 - Role : Hydrogeochemist
 - Funding from : ITB Competitive Research Grant
- 2003-2004
 - Project : Mapping of Limestone Hydrogeological System of Padalarang Area
 - Role : Hydrogeologist
 - Funding from : ITB Competitive Research Grant

TRAINING, SYMPOSIUM, SEMINAR AND CONFERENCES

2016

- Paper co-author (*accepted paper*); ITB International Geothermal Workshop, Mar 2016; Bandung Organizer: Faculty of Mining and Petroleum Engineering, ITB.

2015

- Paper co-author (*accepted paper*); ITB International Geothermal Workshop, Mar 2015; Bandung Organizer: Faculty of Mining and Petroleum Engineering, ITB.
- Paper presenter (*accepted paper*); Indonesia Petroleum Association, Jakarta, May 2015; Organizer: Indonesia Petroleum Association

- 2014
 - Paper co-author (*accepted paper*); International Conference on Math and Natural Sciences, Nov 2014; Bandung Organizer: Faculty of Math and Natural Sciences, ITB.
- 2013
 - Paper presenter (*accepted paper*); Asia-Oceania Geosciences Society Conference, Brisbane Australia, June 2013; Organizer: Asia-Oceania Geosciences Society.
- 2012
 - Paper presenter (*accepted paper*); European Geosciences Union General Assembly, Vienna Austria, April 2012; Organizer: European Geosciences Union.
- 2011
 - Paper presenter; European Geosciences Union General Assembly, Vienna Austria, 3-8 April 2011; Organizer: European Geosciences Union.
 - Paper presenter; Environmental Technology and Management Conference, ITB, 03-04 November 2011.
- 2008-2010
 - Participant; Annual Conference of Indonesian Petroleum Association; Indonesia.
- 2008
 - Participant; International Symposium on Efficient Groundwater Resources Management, Bangkok, Thailand; Organizer: Department of Water Resources of Thailand with International Hydrology Program UNESCO.
- 2007
 - Paper presenter; International Symposium and Workshop on Current Problems in Groundwater Management and Related Water Resources Issues, Bali, Indonesia; Organizer: International Hydrology Program UNESCO with Indonesia Institution of Science
- 2006
 - Paper presenter; Joint Geosciences Conference, UniversitiKebangsaan Malaysia, Langkawi, Malaysia; Organizer: UniversitiKebangsaan Malaysia 2003
 - Participant; Training on Hydrodynamics: How to Use Pressure and Water Salinity Data in Exploration and Production; Organizer: Indonesian Petroleum Association
 - Paper presenter; International Conference of Environmental Management, Yogyakarta, Indonesia; Organizer: UniversitasGadjahmada
- 2004
 - Participant; Training on Hydrodynamic Evaluation in Oil and Gas Exploration; Organizer: Indonesia Petroleum Association (IPA)
- 2002
 - Participant; Training on Computer Aided Workshop on Groundwater Contamination; Organizer: International Hydrology Program (IHP)-UNESCO and LIPI
- 1998-2006
 - Paper presenter; Annual Conference of Indonesian Association of Geologists, Indonesia; Organizer: Indonesian Association of Geologists

PUBLICATIONS

Book, book chapter

- Irawan, DE. and Puradimaja, DJ., 2014ed, Learning Guide on General Hydrogeology, Ombak Publishing, ISBN 978-602-258-266-3.
- Irawan, DE. and Rachmi, CN., 2015, Scientific writing is fun, Penerbit ITB, ISBN No. 979-9299-76-2.
- Gunawan, H., and Irawan, DE, ed, 2015, Anak Bertanya Pakar Menjawab, Common Room Press.
- Gio, PU and Irawan, DE., 2016, Learning statistics using R, USU Press, ISBN 979 458 801 6.
- Puradimaja, DJ. and Irawan, DE., 2015, Hydrogeological mapping for fractured aquifer: Padalarang area case, Penerbit ITB, ISBN 979-9299-76-3.
- Puradimaja, DJ. and Irawan, DE., 2010, Why we have to compete, in Natsir, I., A Glimpse of A Competitive Grant Mechanism for West Java Government, West Java Government Press.

- Irawan, DE., 2009, Chapter The Hydrogeology of Bandung Basin, in Brahmantyo, B., The Geology of Bandung Basin, in press, ITB Press.
- Puradimaja, DJ., Lubis, RF., Irawan, DE., 2008, Hydrogeological Mapping, 2 vol, ITB Press, self publishing.
- Puradimaja, DJ. and Irawan, DE., 2007, The Hydrogeology of Indonesia, ITB Press, self publishing.

Full papers and single-media papers

- Irawan, DE. and Priyambodho, A., 2016, Topic Modeling: An Approach for Research Design, accepted for [The 6th International Conference on Educational, Management, Administration and Leadership](#) (6th ICEMAL 2016), International Journal of Education, [abstract](#), paper in prep.
- Kapid, R., Arif, J., and Irawan, DE., 2016, The Pucangan and Kabuh Formation in Central and East Java, ScienceOpen Publishing, doi: <http://dx.doi.org/10.14293/S2199-1006.1.SOR-LIFE.AH9PUY.v1>, indexed by DOAJ, Crossref, Google Scholar.
- Irawan, DE., Priyambodho, A., Rachmi, CN., Wibowo, DM., and Fahmi, A., 2016, Bibliometric study to assist research topic selection: a case from research design on Jakarta's groundwater (part 1), RioJournal Publishing, under 2nd round review, indexed by DOAJ, Crossref, Google Scholar.
- Irawan, D.E., Puradimaja, D.J., Notosiswoyo, S., Soemintadiredja, P., 2009, Hydrogeochemistry of Volcanic Hydrogeology based on Cluster Analysis of Mount Ciremai, West Java, Indonesia, Journal of Hydrology, doi: [10.1016/j.jhydrol.2009.07.033](https://doi.org/10.1016/j.jhydrol.2009.07.033), indexed by Scopus, DOAJ, Crossref, Google Scholar.
- Irawan, D.E., Puradimaja, D.J., Brahmantyo, B., Silaen, H., 2014, The Hydrogeology of Ciliwung River Streams, Bogor-Jakarta Segment, Indonesia, Journal of Environmental Earth Sciences (Springer), doi:[10.1007/s12665-014-3482-4](https://doi.org/10.1007/s12665-014-3482-4), indexed by Scopus, DOAJ, Crossref, Google Scholar.
- Pratama, A., Irawan, D.E., Susanto, A., Ardi, R.D.W., 2016, Influence of Lithology and Slope Gradient to Infiltration of the Mount Malabar, West Java, IOP Conference series: Earth and Environmental Science, 29 (1), 012026, doi: [10.1088/1755-1315/](https://doi.org/10.1088/1755-1315/), indexed by Scopus, DOAJ, Crossref, Google Scholar.
- Darul, A., Irawan, D.E., Trilaksono, N.J., Pratama, A., Fitria, U.R., 2016, Conceptual model of groundwater and river water interactions in Cikapundung riverbank, Bandung, West Java, doi: [10.1088/1755-1315/29/1/012026](https://doi.org/10.1088/1755-1315/29/1/012026), indexed by Scopus, DOAJ, Crossref, Google Scholar.
- Irawan, DE., Iqbal, R., and Maulana, H., Produced water: a way out of water crisis, Indonesia Petroleum Association, Jakarta, May 2015, doi: [10.13140/RG.2.1.3463.8887](https://doi.org/10.13140/RG.2.1.3463.8887).
- Agustin, A., Irawan, DE., Susanto, A., and Herdianita, R., 2015, Application of Geochemical Methods in Geothermal Exploration in Indonesia: a Literature Review (Part 1), ITB International Geothermal Workshop, Mar 2015, ITB, doi: [10.13140/2.1.1314.4644](https://doi.org/10.13140/2.1.1314.4644).
- Mahantara, RD., Khurniawan, S., Rosyid, FA., Chandra, M., Hasani, M., Hidayat, S., and Irawan, DE., 2015, Volcanic gasses and unconfined groundwater mixing in Cibuni Area: a preliminary investigation, ITB International Geothermal Workshop, Mar 2015, ITB, doi: [10.13140/2.1.3411.6165](https://doi.org/10.13140/2.1.3411.6165).
- Ahmad, D., Irawan, DE., and Trilaksono, N.J., 2014, Groundwater and River Water Interaction on Cikapundung River: Revisited, International Conferences on Math and Natural Sciences, Nov 2014, ITB, doi: [10.1063/1.4930778](https://doi.org/10.1063/1.4930778), indexed by Scopus, DOAJ, Crossref, Google Scholar.
- Pratama, A., Abdulbari, N., Nugraha, M., Prasetyo, Y., Tulak, GP., Darul, A., and Irawan, DE., 2014, Groundwater and river water interaction at Ciromban and Cibeureum riverbank, Tasikmalaya: can we solve water shortage?, International Conferences on Math and Natural Sciences, Nov 2014, ITB, doi: [10.1063/1.4930779](https://doi.org/10.1063/1.4930779), indexed by Scopus, DOAJ, Crossref, Google Scholar.
- Irawan, DE., Akter, F., Vervoort, W., Prabowo, K., 2014, Spatial analysis of groundwater quality data using geoR and mgcv R-package, International Conferences on Math and Natural Sciences, Nov 2014, ITB, doi: [10.1063/1.4930773](https://doi.org/10.1063/1.4930773), indexed by Scopus, DOAJ, Crossref, Google Scholar.
- Sunarwan, B., Irawan, DE., Puradimaja, DJ., Notosiswoyo, S., SadiSun, IA., Setiawan, T., and Anugrah, RM., 2014, Revisiting hydrostratigraphy in Bandung-Soreang Groundwater Basin: a well-logs analysis approach, International Conferences on Math and Natural Sciences, Nov 2014, ITB, doi: [10.1063/1.4930776](https://doi.org/10.1063/1.4930776), indexed by Scopus, DOAJ, Crossref, Google Scholar.
- Setiawan, T., Puradimaja, DJ., Brahmantyo, B., and Irawan, DE., 2008, Interpretasi Sistem Hidrogeologi Kars Berdasarkan Analisis Kelurusan Morfologi (Studi Kasus Kawasan Kars Cijulang, Kab. Ciamis, Jawa Barat), Jurnal Geoaplika, Vol 3, No. 1, url: https://www.researchgate.net/publication/230689205_ANALISIS_KELURUSAN_MORFOLOGI_UNTUK_IN

[TERPRETASI SISTEM HIDROGEOLOGI KARS CIJULANG KABUPATEN CIAMIS PROVINSI JAWA BARAT?e v=prf_pub.](#)

- Iman, Ml. and Irawan, DE., 2008, Identifikasi Sumber dan Pola Aliran Endapan Gunung Api untuk Penafsiran Sistem Hidrogeologi di Daerah CikalongWetan dan Sekitarnya, Kab. Bandung, Jawa Barat, Jurnal Geoaplika, Vol 3, No. 1, url: https://www.researchgate.net/publication/230689205_ANALISIS_KELURUSAN_MORFOLOGI_UNTUK_IN_TERPRETASI_SISTEM_HIDROGEOLOGI_KARS_CIJULANG_KABUPATEN_CIAMIS_PROVINSI_JAWA_BARAT.
- Irawan, D.E., Puradimaja, D.J., 2006, The Differentiation of Hyperthermal Groundwater Origin by using Multivariate Statistics On Water Chemistry, JurnalGeoaplika, Vol 1, No 2, 2006, url: https://www.researchgate.net/publication/230692609_The_Differentiation_of_Hyperthermal_Groundwater_Origin_by_using_Multivariate_Statistics_on_Water_Chemistry?ev=prf_pub.
- Sanny, T.A., Puradimaja, D.J., Irawan, D.E., Hutasoit, L.M., Notosiswoyo, S., 2005, Aquifer Model and System Imaging by Using 2-D and 3-D Resistivity Inversion Technology: Case Study of Tangerang Area, Jurnal Teknologi Mineral, Vol XII, No. 2, 2005, pp 106-113, url: https://www.researchgate.net/publication/230689168_AQUIFER_MODELING_SYSTEM_IMAGING_BY_USI_NG2D_AND_3D_RESISTIVITY_INVERSION_TECHNOLOGY_CASE_STUDY_OF_TANGERANG_AREA.
- Puradimaja, D.J., Hutasoit, L.M., Silaen, H., Irawan, D.E., 2005, The Origin of Hyperthermal Groundwater in Fractured Limestone Aquifer, Parigi Formation in Palimanan, West Java, based on Its Water Chemistry and Isotopic Composition, Jurnal Teknologi Mineral, Vol XII, No. 1, 2005, pp 59-68, url: https://www.researchgate.net/publication/229922323_The_origin_of_hyperthermal_groundwater_in_fractured_limestone_aquire_Parigi_Formation_in_Palimanan_West_Java_based_on_its_water_chemistry_and_isotopic_composition.
- Puradimaja, D.J., Dian Budidharma, Komang Anggayana, Irawan, D.E., 2004, Water Flow Interpretation at Aneuk Laot Lake- Zweembat Spring Complex based on Stable Isotope Tracer (Deuterium and Oxygen-18), Sabang Regency, D.I.- Nangro Aceh Darussalam, Jurnal Teknologi Mineral Vol XI, No. 2/2004, pp: 88-101.
- Irawan, D.E., Puradimaja, D.J., Hutasoit, L.M., 2003, Geological Control to Spring Emergence. Case Study: East Slope of Mt. Ciremai, Buletin Geologi, Vol 35 No 1, pp: 15 – 23.
- Irawan, D.E., Puradimaja, D.J., Yuwono, S., and Syaifullah, T.A., 2000, Geological Mapping of Volcanic Deposit for Volcanic Aquifer System Identification. Case Study: PasirJambu-Situwangi, Soreang, Bandung Regency, West Java, Buletin Geologi, Vol 3, url: https://www.researchgate.net/publication/267295668_Geological_Mapping_and_Groundwater_Physical-Chemical_Properties_Characterization_An_Approach_to_Spring_Recharge_Area_Conservation.

Abstracts/posters in conferences

- Irawan, DE., Priyambodho, A., Rachmi, CN., and Wibowo, DM., 2016, Groundwater research landscape of Jakarta Basin, IOP Conference Series, International Conference on Energy Sciences 2016 ITB, under 2nd round review, indexed by DOAJ, Crossref, Google Scholar, url: [ResearchGate](#).
- Jaya, A.P., Tabri, K.N., Dwitama, P.E., and Irawan, D.E., 2016, Detection of peat paleo-environment based on TPI-GI: evidence from South Barito, IOP Conference Series, International Conference on Energy Sciences 2016 ITB, under 2nd round review, indexed by DOAJ, Crossref, Google Scholar, url: [ResearchGate](#).
- Lukman, A., Aryanto, M.D., Pramudito, A., Andhika, A., and Irawan, DE., 2016, Understanding north Java coastal aquifer system: evidence from Kendal, Mid Java, IOP Conference Series, International Conference on Energy Sciences 2016 ITB, under 2nd round review, indexed by DOAJ, Crossref, Google Scholar, url: [ResearchGate](#).
- Irawan, DE., Kuntoro, AA., Julian, MM., and Yeni, D., 2015, Decreasing groundwater quality at Cisadane riverbanks: groundwater-surface water approach, Conference: The 6th Asian Physics Symposium, At Institut Teknologi Bandung, Volume: 1, August 2015, DOI: 10.13140/RG.2.1.3415.1120, also published as preprint on [The Winnower](#) .
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