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| Name                                                    | Dr. Tjahyo Nugroho Adj, S.Si, MSc.Tech                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Position                                                | Lecturer in Faculty of Geography Universitas Gadjah Mada<br>Speciality: Groundwater Hydrology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Academic career                                         | <ol style="list-style-type: none"> <li>1. <b><i>Doctorate in Geography</i></b> (Universitas Gadjah Mada, 2010)</li> <li>2. Master of Science and Technology in Groundwater Studies , School of Geology, University of New South Wales, Sydney, Australia, 2002</li> <li>3. Undergraduate in Physical Geography (Universitas Gadjah Mada, 1996)</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Employment                                              | <ol style="list-style-type: none"> <li>1. Lecturer in Department of Environmental Geography, Faculty of Geography Universitas Gadjah Mada</li> <li>2. Section Editor, Indonesian Journal of Geography, Universitas Gadjah Mada</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Research and development projects over the last 5 years | <ol style="list-style-type: none"> <li>1. Adj, T.N. 2018, Time-series analysis of discharge-rainfall relationship for karst aquifer characterization in Karst Jonggrangan area of DIY-Central Java, Hibah Penelitian Dosen BPPTN-BH, Faculty of Geography, UGM</li> <li>2. Adj, T.N., Haryono, E., 2018, The development of karst conduit level model for identifying carbon absorption capacity in anticipation of global warming climate disaster, Hibah Tim Pasca Sarjana (tahun ke-2), Kemenristek-Dikti</li> <li>3. Adj, TN, Haryono, E., Santosa, LW, Tivianton, TA, 2018, Characterization of Hydrograph Recession Karst Flow for Water Storage Capacity on Several Types of Karst Development in Anticipation of Drought, Hibah Penelitian Dasar Unggulan Perguruan Tinggi (tahun ke-1), Kemenristek-Dikti</li> <li>4. Adj, T.N., 2017, Characterization of Flow Recession Curves in Some Karst Springs, Research Grant of Lecturer and Laboratory, Faculty of Geography,UGM</li> <li>5. Adj, T.N., Haryono, E., 2017, The development of karst conduit level model for identifying carbon absorption capacity in anticipation of global warming climate disaster, Hibah Tim Pasca Sarjana (tahun ke-2), Kemenristek-Dikti</li> <li>6. Adj, T.N., 2016, Spatial Distribution of Response of Underground River and Karst Springs Against Rainfall for Prediction of Water Storage Capacity in Karst Aquifer of Java Island, Hibah BOPTN Faculty of Geografi, UGM</li> <li>7. Adj, T.N., 2015, Spatial Distribution of Area Karstification Levels on Several Springs and Karst Underground Rivers Using Hidrograph Recession Formula Malik and Vojtkova (2012), Hibah BOPTN Faculty of Geografi, UGM</li> <li>8. Adj, T.N., 2014, Flow Hydrograph Analysis For The Determination of Karstification Degrees On Several Waters and Karst Underground Conditions, Hibah BOPTN Faculty of Geografi, UGM</li> <li>9. Adj, T.N., Nurjani, E.M., Wicaksono, D., 2014, Zonation of Groundwater Potential Using Multiple Field Parameters and GIS Approach in Coastal Area, Hibah Sekolah Vokasi UGM</li> </ol> |
| Industry collaborations over the last 5 years           | <ol style="list-style-type: none"> <li>1. Survey of Eksokarst, Endokarst, and Karst Hydrogeology at IUP PT Samana Citra Agung Pidie Regency, 2015-2016 (in cemen industry)</li> <li>2. Application Study and Monitoring Methods in Well Monitor 711WM03 and at the waters Monitor Karst 711WM04, Semen Indonesia, Rembang 2015 (in cemen industry)</li> <li>3. Study of Potential and Balance of Carbon Water Resources in Around Plan</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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|                                                       | <p>Plant and Mining Area in Blora, 2014-2015 (in cemen industry)</p> <p>4. Study of the Potential of Karst Hydrology in the vicinity of Semen Indonesia, Rembang, Semen Indonesia, 2013 (in cemen industry)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Patents and proprietary rights                        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Important publications over the last 5 years          | <ol style="list-style-type: none"> <li>1. Fatchurohman, H., Adji, T.N., Haryono, E., Wijayanti, P., Baseflow index assessment and master recession curve analysis for karst water management in Kakap Spring, Gunung Sewu, IOP Conf. Series: Earth and Environmental Science 148 (2018) 012029 doi :10.1088/1755-1315/148/1/012029</li> <li>2. Adji, T.N., Haryono, E., Fatchurohman, H., Oktama, R., 2017, Spatial and temporal hydrochemistry variations of karst water in Gunung Sewu, Java, Indonesia, Environmental Earth Sciences, 76:709</li> <li>3. Adji, T.N., Haryono, E., Mujib, A., Fatchurohman, H., Bahtiar, I., 2017, Assessment of aquifer karstification degree in some karst sites on Java Island, Indonesia, Carbonates and Evaporites, doi:10.1007/s13146-017-0403-0</li> <li>4. Sutardi, A., Suprayogi, S., Adji, T.N., 2017, Kajian Kualitas Airtanah Bebas antara Sungai Kuning dan Sungai Tepus di Kecamatan Ngemplak, Yogyakarta, Indonesia, Majalah Geografi Indonesia Vol. 31, No.1, Maret 2017 (31 - 38)</li> <li>5. Haryono, E., Danardono, Mulatsih, S., Putro, S.T., Adji, T.N., 2016, The Nature of Carbon Flux in Gunungsewu Karst, Java-Indonesia, Acta Carsologica 45/1, 173–185, Postojna</li> <li>6. Adji, T.N., Bahtiar, I.Y., 2016, Rainfall–discharge relationship and karst flow components analysis for karst aquifer characterization in Petoyan Spring, Java, Indonesia, Environmental Earth Sciences, 75:735</li> <li>7. Adji, T.N., Haryono, E., Fatchurrohman, H., Oktama, R., 2016, Diffuse flow characteristics and their relation to hydrochemistry conditions in the Petoyan Spring, Gunungsewu Karst, Java, Indonesia, Geosciences Journal, Vol. 20, No. 3, p. 381-390, June 2016</li> <li>8. Adji, T.N., Wicaksono, D., Said, M.F., 2013, Analisis Potensi Pencemaran Airtanah Bebas di kawasan Gumuk Pasir Parangtritis, Jurnal Riset Daerah, Vol. XII, No.1, April, 2013</li> <li>9. Adji, T.N., Sejati, S.P., 2014, Identification of Groundwater Potential Zones Within an Area with Various Geomorphological Unit by Using Several Field Parameters and GIS Approach in Kulon Progo Regency, Java, Indonesia, Arabian Journal of Geoscience, , 2012, Vol 1 (7), p.161-172</li> </ol> |
| Activities in specialist bodies over the last 5 years | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |