

DAFTAR PUSTAKA

- Adji, T. N. (2013). Kondisi Daerah Tangkapan Sungai Bawah Tanah Karst Gunungsewu dan Kemungkinan Dampak Lingkungannya Terhadap Sumberdaya Air (Hidrologis) karena Aktivitas Manusia. In *Seri Bunga Rampai Ekologi Lingkungan Kawasan Karst Indonesia* (p. 183). Yogyakarta: Deepublish.
- Adji, T. N., Sunariya, M. I., & Wicaksono, M. Z. (2012). *LAJU PENYERAPAN KARBONDIOKSIDA DAERAH ALIRAN SUNGAI BAWAH TANAH BRIBIN, KARST GUNUNG SEWU*. Yogyakarta.
- Adji, T. N., Haryono, E., & Woro, S. (1999). KAWASAN KARST DAN PROSPEK PENGEMBANGANNYA. In *Seminar PIT IGI Universitas Indonesia*. Depok: Universitas Indonesia.
- Ansori, C., & Hastria, D. (2013). Studi Alterasi dan Mineralisasi di Sekitar Gunung Agung, Kabupaten Kulonprogo-Purworejo. *Buletin Sumber Daya Geologi*, 8(2), 75–86.
- Appelo, and D.Postma. (2005). *GEOCHEMISTRY, GROUNDWATER AND POLLUTION, 2ND EDITION*. Amsterdam: A.A. Balkema Publishers.
- Balazs, D. (1971). “Intensity of The Tropical Karst Development Based on Cases of Indonesia.” *Karszt-Es Barlangkutas VI*: 33–50.
- BAPEDA Kabupaten Purworejo. (2003). *Laporan Analisa*.
- Barianto, D. H., Aboud, E., & Setijadji, L. D. (2009). Structural Analysis using Landsat TM , Gravity Data , and Paleontological Data from Tertiary Rocks in Yogyakarta , Indonesia. *Memoirs of the Faculty of Engineering, Kyushu University*, 69(2), 65–77.
- Bashkin, V. N., & Pripulina, I. V. (2008). Carbon Cycle. In *Encyclopedia of Ecology* (pp. 517–528). Moscow: Academic Press. <https://doi.org/10.1016/B978-008045405-4.00595-4>
- Bemmelen, R. W. Van. (1949). *The Geology of Indonesia Vol.IA: General Geology of Indonesia and Adjacent Archipelagoes*. The Hauge: Government Printing Office.
- Bogli, A. (1980). *Karst Hydrology and Physical Speleology*. New York: Springer-Verlag. <https://doi.org/10.1007/978-3-642-67669-7> e-ISBN-13:
- Br., Sri Harto. 2000. Hidrologi, Teori-Masalah-Penyelesaian. Yogyakarta: Nafiri Offset.
- Ciais, P., C. Sabine, Bala, G., Bopp, L., Brovkin, V., Canadell, J., ... S. Piao P.

- Thornton. (2013). Climate Change 2013. In *The Physical Science Basis, Working Group*. cambridge: Cambridge University Press.
<https://doi.org/10.1017/CBO9781107415324.Summary>
- Corbel J., 1956. A new method for the study of limestone regions, *Revue Canadienne de Geographie*, 10, pp. 240–2.
- Daoxian, Y. (1993), Carbon cycle and global karst: *Quaternary Science* (1) pp.1-6. (in Chinese)
- Daoxian, Y. (1997) *The Carbon Cycle in Karst*. Zeitschrift f Geomorph, NF 108: 91-102.
- Daoxian, Y. (2002) *The Carbon Cycle in Karst, IGCP report*, Institute of Karst Geology, Guilin.
- Daoxian, Y., and Zhang Cheng, 2008. Karst dynamics theory in China and its practice. *Acta Geoscientia Sinica*, 29(3): 355–365. (in Chinese).
- Dürr H H, Meybeck M, Dürr S H, 2005. Lithologic composition of the Earth's continental surfaces derived from a new digital map emphasizing riverine material transfer. *Global Biogeochemical Cycles*, 19(4): 49–53.
- Fang Huajun, Yang Xueming, Zhang Xiaoping *et al.*, (2004). Effect of soil erosion on soil organic carbon in cropland landscape. *Progress in Geography*, 23(2): 77–87. (in Chinese)
- Fetter, C. W. (1994). *Applied Hydrogeology*. New jersey: prentice-hall, inc.
- Ford, D., & Williams, P. (2007). *Speleogenesis: The development of cave systems. Karst Hydrogeology and Geomorphology*. West Sussex: Unwin Hyman Ltd.
<https://doi.org/10.1002/9781118684986>
- Gao Y, Yu G R, Yang T T *et al.*, (2016). New insight into global blue carbon estimation under human activity in land-sea interaction area: a case study of China. *Earth-Science Reviews*, 159: 36–46.
- Haryono, Eko. (2001). “Nilai Hidrologis Bukit Karst.” In *Makalah Dalam Seminar Nasional Eko-Hidrolik*, Yogyakarta: Teknik Sipil UGM.
- Hartono, G., Sudradjat, A., & Verdiansyah, O. (2017). Forum Geogra , Vol 31 , No 1 (2017), 31(1), 1–10. <https://doi.org/10.23917/forgeo.v31i1.2821>
- Hartono, H. G., & Sudradjat, A. (2017). Nanggulan Formation and Its Problem As a Basement in Kulonprogo Basin, Yogyakarta. *INDONESIAN JOURNAL ON GEOSCIENCE*, 4(2), 71–80. <https://doi.org/10.17014/ijog.4.2.71-80>
- Haryono, E., Adji, T. N., Widyastuti, M., & Putro, S. T. (2009). ATMOSPHERIC CARBON DIOXIDE SEQUESTRATION TROUGH KARST

DENUDATION PROCESS Preliminary Estimation from Gunung Sewu Karst
Eko Haryono, Tjahyo Nugroho Adji, M. Widyastuti, Sutanto Trijuni. In
*International Seminar on Achieving Resilient-Agriculture to Climate Change
Through The Development of Climate-Based Risk Management Scheme,*
PERHIMPI. Bogor.

IPCC. (2001). Climate change 2001: The scientific basis. Contribution of working
group I to the third assessment report of the intergovernmental panel on
climate change. *Weather*, 57(8), 267–269.
<https://doi.org/10.1256/004316502320517344>

IPCC. (2007). *Mitigation of climate change: Contribution of working group III to
the fourth assessment report of the Intergovernmental Panel on Climate
Change.* (B. Metz, O. Davidson, P. Bosch, R. Dave, & L. Meyer, Eds.),
Intergovernmental Panel on Climate Change. New York: Cambridge
University Press.
https://doi.org/http://www.ipcc.ch/publications_and_data/.htm

Janzen, H. H. (2004). Carbon cycling in earth systems - A soil science perspective.
Agriculture, Ecosystems and Environment, 104(3), 399–417.
<https://doi.org/10.1016/j.agee.2004.01.040>

Jiang, Z., & Yuan, D. (1999). CO₂ source-sink in karst processes in karst areas of
China. *Episodes*, 22(1), 33–35.

Kementerian Pertanian. (2015). *Peta Pengembangan Kawasan Padi Kabupaten
Purworejo, Provinsi Jawa Tengah.*

Klimchouk. (1997). “The Nature and Principal Characteristics of Epikarst.” In *12th
International Congress of Speleology*, ed. Jeannin. La Chaux-de-fonds, 306.

Kresic. (2013). *Water in Karst ; Management, Vulnerability, and Restoration.* New
York: McGraw-Hill.

Lian, B., Yuan, D. X., and Liu, Z. H.: Effect of microbes on karstification in karst
ecosystems, *Chinese Science Bulletin*, 56, 2158–2161, 2011.

Liu, Z., & Zhao, J. (2000). Contribution of carbonate rock weathering to the
atmospheric CO₂ sink. *Environmental Geology*, 39(9), 1053–1058.
<https://doi.org/10.1007/s002549900072>

Liu Zaihua, 2011a. Is pedogenic carbonate an important atmospheric CO₂ sink?
Chinese Science Bulletin, 56(26):2209–2211. (in Chinese)

Luo Weijun, Wang Shijie, Liu Xiuming, 2014. Research progresses and prospect
of chimney effect about carbon cycle in the karst cave system. *Advances in
Earth Science*, 29(12): 1333– 1340. (in Chinese)

- Pambudi, S., Isnaniawardhani, V., Winantris, & Sudradjat, A. (2017). MICROFACIES OF LOWER JONGGRANGAN FORMATION AT. In *The 2nd Join Conference of Utsunomiya and Universitas Padjajaran*.
- Pan, Y., Birdsey, R. A., Fang, J., Houghton, R., Kauppi, P. E., Kurz, W. A., ... Hayes, D. (2011). A large and persistent carbon sink in the world's forests. *Science (New York, N.Y.)*, 333. <https://doi.org/10.1126/science.1201609>
- Piao, S., Ciais, P., Huang, Y., Shen, Z., Peng, S., Li, J., ... Fang, J. (2010). The impacts of climate change on water resources and agriculture in China. *Nature*, 467. <https://doi.org/10.1038/nature09364>
- Pu Junbing, Jiang Zhongcheng, Yuan Daoxian *et al.*, (2015). Some opinions on rock-weathering-related carbon sinks from the IPCC Fifth Assessment Report. *Advances in Earth Science*, 30(10): 1081–1090. (in Chinese).
- RKPD Kulonprogo. Rencana Kerja Pemerintah Daerah Kabupaten Kulonprogo Tahun Anggaran 2018 (2018).
- Schimel, D., House, J., Hibbard, K., Bousquet, P., & Al, E. (2001). Recent patterns and mechanisms of carbon exchange by terrestrial ecosystems. *Nature*, 414, 169–172. <https://doi.org/10.1038/35102500>
- Serrano-Ortiz, P., Roland, M., Sanchez-Moral, S., Janssens, I. A., Domingo, F., Godderis, Y., and Kowalski, A. S.: Hidden, abiotic CO₂ flows and gaseous reservoirs in the terrestrial carbon cycle: Review and perspectives, *Agr. Forest Meteorol.*, 150, 321–329, 2010.
- Shuster, E. T., & White, B. (1972). Source Areas and Climatic Effects in Carbonate Groundwaters Determined by Saturation Indices and Carbon Dioxide Pressures. *Water Resources Research*, 8(4), 1067–1073.
- Song Xianwei, Gao Yang, Wen Xuefa *et al.*, 2016. Rock-weathering-related carbon sinks and associated ecosystem service functions in the karst critical zone in China. *Acta Geographica Sinica*, 71(11): 1926–1938. (in Chinese)
- Song, X., Gao, Y., Wen, X., Guo, D., Yu, G., He, N., & Zhang, J. (2017). Carbon sequestration potential and its eco-service function in the karst area, China. *Journal of Geographical Sciences*, 27(8), 967–980. <https://doi.org/10.1007/s11442-017-1415-3>
- Suripin. (2002). *Pelestarian Sumber Daya Tanah dan Air*. Yogyakarta: ANDI.
- Syafri, I., Budiadi, E., & Sudradjat, A. (2013). Geotectonic Configuration of Kulon Progo Area , Yogyakarta Konfigurasi Tektonik Daerah Kulon Progo , Yogyakarta. *Indonesian Journal of Geology*, 8(4), 185–190.
- Todd, D. K. (1980). *Groundwater Hydrology*. New York: John Wiley & Sons.

- Widagdo, A., Pramumijoyo, S., Harijoko, A., & Setiawan, A. (2016). KAJIAN PENDAHULUAN KONTROL STRUKTUR GEOLOGI TERHADAP SEBARAN BATUAN-BATUAN. In *Seminar Nasional Kebumihan Ke-9* (pp. 9–20).
- Widagdo, A., Pramumijoyo, S., & Harijoko, A. (2017). Rekonstruksi struktur geologi daerah gunung ijo di pegunungan kulon progo-yogyakarta berdasarkan sebaran kekar, sesar dan urat kuarsa. In *Seminar Nasional Kebumihan Ke-10* (pp. 1072–1090). Yogyakarta.
- Widagdo, A., Pramumijoyo, S., & Harijoko, A. (2018). Morphotectono-volcanic of Tertiary volcanic rock in Kulon Progo mountains area , Yogyakarta-Indonesia Morphotectono-volcanic of Tertiary volcanic rock in Kulon Progo mountains area , Yogyakarta-Indonesia. *Earth and Environmental Science*, 212. <https://doi.org/10.1088/1755-1315/212/1/012051>
- Widagdo, A., Pramumijoyo, S., Harijoko, A., & Setiyanto, A. (2018). Fault lineaments control on disaster potentials in Kulon. <https://doi.org/https://doi.org/10.1051/mateconf/201822903008>
- Witherick, M., Ross, S., & Small, J. (2001). *A modern dictionary of geography*. (fourth). London: Arnold, a member of the Hodder Headline Group. Retrieved from <http://onlinelibrary.wiley.com/doi/10.1002/cbdv.200490137/abstract%5Cnhttp://library.wur.nl/WebQuery/clc/907539>
- Yan J H, Wang Y P, Zhou G *et al.*, 2011. Carbon uptake by karsts in the Houzhai Basin, southwest China. *Journal of Geophysical Research*, 116: 327–336.
- Yang, L. (1996) Carbon cycle of karst system and its environmental effect, in *Karst and human survival, environment, resources, and hazards*, Guilin, China, Guangxi Normal University Press, pp.34-42. (in Chinese)
- Zeng, C., Liu, Z., Yang, J., and Yang, R.: A groundwater conceptual model and karst-related carbon sink for a glacierized alpine karst aquifer, Southwestern China, *J. Hydrol.*, 529, 120–133, 2015.
- Zhang Zhigan, 2012. Discussion on article “Calculation of atmospheric CO₂ sink formed in karst processes of karst-divided regions in China”. *Carsologica Sinica*, 31(3): 339–344. (in Chinese).
- Zhang, J., Bian, Z., Dai, M., Wang, L., Zeng, C., & Su, W. (2016). Differences and influencing factors related to underground water carbon uptake by karsts in the Houzhai Basin, southwestern China. *Solid Earth*, 7, 1259–1268. <https://doi.org/10.5194/se-7-1259-2016>.