

## DAFTAR PUSTAKA

- [1] D. J. Putra, "Provinsi Bandung Raya, Perlukah?," Kumparan, 10 Juli 2020. [Online]. Available: <https://kumparan.com/donjayaputra2016/provinsi-bandung-raya-perluakah-1tmJmXXvRDJ/2>. [Accessed 3 Oktober 2021].
- [2] A. Mas'at, "EFEK PENGEMBANGAN PERKOTAAN TERHADAP KENAIKAN SUHU UDARA DI WILAYAH DKI JAKARTA," *Agromet*, vol. 23, no. 1, pp. 52-60, 2009.
- [3] A. D. Purnomo, *Analisis Kualitas Udara di Kawasan Pasteur-Bandung berbasis Low-Cost Sensor*, Bandung, 2019.
- [4] D. Rievaldo, *Pengukuran Kualitas Air Hujan (pH, Konduktivitas, dan Ion) dan Curah Hujan Dalam Pengamatan Tingkat Keasaman Air Hujan di Cekungan Bandung Raya*, Bandung: Universitas Telkom, 2021.
- [5] F. Zulfikar, "Apa yang Dimaksud dengan Letak Geografis? Ini Bedanya dengan Letak Astronomis," detik.com, 28 Juli 2021. [Online]. Available: <https://www.detik.com/edu/detikpedia/d-5660111/apa-yang-dimaksud-dengan-letak-geografis-ini-bedanya-dengan-letak-astronomis>. [Accessed 01 Desember 2021].
- [6] kumparanSAINS, "Lebih Dekat Matahari, Mengapa Suhu di Atas Gunung Lebih Dingin?," Kumparan, 2 Februari 2018. [Online]. Available: <https://kumparan.com/kumparansains/lebih-dekat-matahari-mengapa-suhu-di-atas-gunung-lebih-dingin/full>. [Accessed 03 Desember 2021].
- [7] R. Mukarromah, I. Yulianti and Sunarno, "ANALISIS SIFAT FISIS KUALITAS AIR DI MATA AIR SUMBER ASEM DUSUN KALIJERUK, DESA SIWURAN, KECAMATAN GARUNG, KABUPATEN WONOSOBO," *Unnes Physics Journal*, vol. 5, no. 1, pp. 41-45, 2016.
- [8] R. D. N. Setyowati, "Status Kualitas Air DAS Cisanggarung, Jawa Barat," *Jurnal Teknik Lingkungan*, vol. 1, no. 1, pp. 37-45, 2015.
- [9] H. Effendi, *Telaah kualitas air bagi pengelolaan sumber daya dan lingkungan perairan*, Yogyakarta: Kanisius, 2003.
- [10] westlabblogcanada, "How Does Temperature Affect pH?," westlab, 15 November 2017. [Online]. Available: <https://www.westlab.com/blog/2017/11/15/how-does-temperature-affect-ph>. [Accessed 1 Desember 2021].
- [11] LibreTexts, "Temperature Dependence of the pH of pure Water," LibreTexts, 16 Agustus 2020. [Online]. Available:

[https://chem.libretexts.org/Bookshelves/Physical\\_and\\_Theoretical\\_Chemistry\\_extbook\\_Maps/Supplemental\\_Modules\\_\(Physical\\_and\\_Theoretical\\_Chemistry/Acids\\_and\\_Bases/Acids\\_and\\_Bases\\_in\\_Aqueous\\_Solutions/The\\_pH\\_Scale/Temperature\\_Dependence\\_of\\_the\\_pH\\_of\\_pure\\_W](https://chem.libretexts.org/Bookshelves/Physical_and_Theoretical_Chemistry_extbook_Maps/Supplemental_Modules_(Physical_and_Theoretical_Chemistry/Acids_and_Bases/Acids_and_Bases_in_Aqueous_Solutions/The_pH_Scale/Temperature_Dependence_of_the_pH_of_pure_W). [Accessed 1 Desember 2021].

- [12] J. Cama, V. Metz and J. Ganor, "The effect of pH and temperature on kaolinite dissolution rate under acidic conditions," *Geochimica et Cosmochimica Acta*, vol. 66, no. 22, pp. 3913-3926, 2002.
- [13] Fondriest, "Conductivity, Salinity & Total Dissolved Solids," Fondriest, [Online]. Available: <https://www.fondriest.com/environmental-measurements/parameters/water-quality/conductivity-salinity-tds/>. [Accessed 1 Desember 2021].
- [14] R. L. Miller, W. L. Bradford and N. E. Peters, Specific Conductance: Theoretical Considerations and Application to Analytical Quality Control, Denver: U.S. Geological Survey Water-Supply Paper, 1988.
- [15] J. J. Barron and A. Colin, "The Effect of Temperature on Conductivity Measurement," *Reagecon*, vol. 7, no. 3, pp. 1-5.
- [16] K. Ogata, Modern Control Engineering, Upper Saddle River: Prentice Hall, 2010.
- [17] H. Wicaksono and J. Pramudianto, "Kontrol PID Untuk Pengaturan Kecepatan Motor DC Dengan Metode Tuning Direct Synthesis," *Jurnal Teknik Elektro*, vol. 4, no. 1, pp. 10-17, 2004.
- [18] E. Purwanto, M. Wibowo, Soebagio, M. H. Purnomo, A. Jaya, G. Prabowo and E. Wahjono, "Pengembangan Metoda Self Tuning Parameter PID Controller dengan Menggunakan Genetic Algorithm pada Pengaturan Motor Induksi sebagai Penggerak Mobil Listrik," *Seminar Nasional Aplikasi Teknologi Informasi*, pp. 20-30, 20 Juni 2009.
- [19] S. Supatmi, Aplikasi Operasional Amplifier, Bandung: UNIKOM Repository, 2011.
- [20] M. J. D. Firdausyah, P. W. Rusimanto, B. Suprianto and Endryansyah, "Sistem Pengendali Sistem Air Nutrisi Pada Hidroponik NFT Berbasis PID Controller," *JURNAL TEKNIK ELEKTRO*, vol. 11, no. 1, pp. 117-125, 2022.
- [21] Khoiri, "Cara Menghitung Mean Absolute Percentage Error (MAPE)," Khoiri.com, 16 Desember 2020. [Online]. Available: <https://www.khoiri.com/2020/12/pengertian-dan-cara-menghitung-mean-absolute-percentage-error-mape.html>. [Accessed 4 Agustus 2022].
- [22] B. R. Copeland, "The Design of PID Controllers using Ziegler Nichols Tuning,"

2008.

- [23] N. Allu and A. Toding, "Tuning with Ziegler Nichols Method for Design PID Controller At Rotate Speed DC Motor," *IOP Conference Series: Materials Science and Engineering*, vol. 846, pp. 1-6, 2020.
- [24] K. H. Ang, G. Chong and Y. Li, "PID Control System Analysis, Design, and Technology," *IEEE Transactions on Control System Technology*, vol. 13, no. 4, pp. 559-576, 2005.
- [25] J. Hanania, C. Le, A. Sheardown, K. Stenhouse and J. Donev, "Turbidity," *Energy Education*, 4 Januari 2019. [Online]. Available: <https://energyeducation.ca/encyclopedia/Turbidity>. [Accessed 1 Desember 2021].
- [26] K. P. Paaijmans, W. Takken and A. K. Githeko, "The effect of water turbidity on the near-surface water temperature of larval habitats of the malaria mosquito *Anopheles gambiae*," *International Journal of Biometerology*, vol. 52, pp. 747-753, 2008.