

DAFTAR PUSTAKA

- Ajiningrum, P. S. 2019. Kadar Total Pigmen Klorofil Tanaman *Avicennia marina* Pada Tingkat Perkembangan Daun yang Berbeda. *STIGMA: Jurnal Matematika Dan Ilmu Pengetahuan Alam Unipa*, 11(02), 52–59. <https://doi.org/10.36456/stigma.vol11.no02.a1734>
- Allifah, A. N. A., Natsir, N. A., Mulyawati, N. Y., & Surati. 2022. Kadar Klorofil Daun Mangrove Di Kawasan Pelabuhan Hurnala Maluku Tengah. *BIOTROPIC The Journal Od Tropical Biology*, 6(1), 20–28.
- Anak Agung, A. D. K., & Idrus, A. Al. 2023. Rhizophoraceae Flower and Fruit Morphology as Evidence of Resilience of Mangrove Revegetation in Lembar West Lombok. *Jurnal Biologi Tropis*, 23(1), 63–69. <https://doi.org/10.29303/jbt.v23i1.4345>
- Anake, W. U., Eimanehi, J. E., & Omonhinmin, C. A. 2019. Evaluation of air pollution tolerance index and anticipated performance index of selected plant species. *Indonesian Journal of Chemistry*, 19(1), 239–244. <https://doi.org/10.22146/ijc.35270>
- Anwar, F., Chaudhry, F. N., Nazeer, S., Zaman, N., & Azam, S. 2016. Causes of Ozone Layer Depletion and Its Effects on Human: Review. *Atmospheric and Climate Sciences*, 06(01), 129–134. <https://doi.org/10.4236/acs.2016.61011>
- Asante, F., Hugé, J., Asare, N. K., & Dahdouh-Guebas, F. 2023. Does mangrove vegetation structure reflect human utilization of ecosystem goods and services? *IScience*, 26(6). <https://doi.org/10.1016/j.isci.2023.106858>
- Ba'diah, L. N., Darmanti, S., & Prihastanti, E. 2024. Toleransi Berbagai Tanaman Hias terhadap Polutan Gas Karbon Monoksida (CO) di Kecamatan Tembalang dan Banyumanik Kota Semarang. *Jurnal Ilmu Lingkungan*, 22(4), 1088–1099. <https://doi.org/10.14710/jil.22.4.1088-1099>
- Bai, L., Wang, J., Ma, X., & Lu, H. 2018. Air pollution forecasts: An overview. *International Journal of Environmental Research and Public Health*, 15(4), 1–44. <https://doi.org/10.3390/ijerph15040780>
- Badan Pusat Statistik Provinsi Jawa Tengah. 2024. *Jumlah Industri dan Tenaga Kerja Menurut Kabupaten/Kota di Provinsi Jawa Tengah, 2019 - 2022*. Diakses pada 14 Januari 2025 dari <https://jateng.bps.go.id/id/statistics-table/1/MjcxMyMx/jumlah-industri-dan-tenaga-kerja-menurut-kabupaten-kota-di-provinsi-jawa-tengah--2019---2022.html>
- Badan Pusat Statistik Provinsi Jawa Tengah. 2024. *Jumlah Kendaraan Bermotor*

Menurut Kabupaten/Kota dan Jenis Kendaraan di Provinsi Jawa Tengah (unit). Diakses pada 14 Januari 2025 dari <https://jateng.bps.go.id/id/statistics-table/3/VjJ3NGRGa3dkRk5MTIU1bVNFOTVVbmQyVURSTVFUMDkjMw==/jumlah-kendaraan-bermotor-menurut-kabupaten-kota-dan-jenis-kendaraan-di-provinsi-jawa-tengah--unit---2023.html>

Badan Pusat Statistik Kota Pekalongan. 2024. *Kota Pekalongan Dalam Angka Volume 9, 2024*.

Badan Pusat Statistik Kota Pekalongan. 2024. *Jumlah Penduduk Dewasa dan Anak-Anak 2017-2019*. Diakses pada 14 Januari 2025 dari <https://pekalongankota.bps.go.id/id/statistics-table/2/MTY3IZI=/jumlah-penduduk-dewasa-dan-anak-anak.html>

Badan Pusat Statistik Kota Pekalongan. 2024. *Jumlah Penduduk (Total) (Jiwa)*. Diakses pada 14 Januari 2025 dari <https://pekalongankab.bps.go.id/id/statistics-table/2/MjkjMg==/jumlah-penduduk-total-.html>.

Cahyanti, K. P., & Posmaningsih, D. A. A. 2020. Tingkat Kemampuan Penyerapan Tanaman Sansevieria Dalam Menurunkan Polutan Karbon Monoksida. *Jurnal Kesehatan Lingkungan (JKL)*, 10(1), 42–52. <https://doi.org/10.33992/jkl.v10i1.1090>

Cahyono, E., Hindun, I., Rahardjanto, A., & Nurrohman, E. 2022. Exploration Characteristics of Trichomes Shading Plant at Melati Bungur Park Malang City. *Jurnal Pembelajaran Dan Biologi Nukleus*, 8(2), 459–469. <https://doi.org/10.36987/jpbn.v8i2.2910>

Chapman, S., Watson, J. E. M., Salazar, A., Thatcher, M., & McAlpine, C. A. 2017. The impact of urbanization and climate change on urban temperatures: a systematic review. *Landscape Ecology*, 32(10), 1921–1935. <https://doi.org/10.1007/s10980-017-0561-4>

Dadkhah-Aghdash, H., Rasouli, M., Rasouli, K., & Salimi, A. 2022. Detection of urban trees sensitivity to air pollution using physiological and biochemical leaf traits in Tehran, Iran. *Scientific Reports*, 12(1), 1–12. <https://doi.org/10.1038/s41598-022-19865-3>

Decy Arwini, N. P. 2020. Dampak Pencemaran Udara Terhadap Kualitas Udara Di Provinsi Bali. *Jurnal Ilmiah Vastuwidya*, 2(2), 20–30. <https://doi.org/10.47532/jiv.v2i2.86>

Dewi, A. P. 2019. PENETAPAN KADAR VITAMIN C DENGAN SPEKTROFOTOMETRI UV-Vis PADA BERBAGAI VARIASI BUAH TOMAT. *JOPS (Journal Of Pharmacy and Science)*, 2(1), 9–13. <https://doi.org/10.36341/jops.v2i1.1015>

- Enitan, I. T., Durowoju, O. S., Edokpayi, J. N., & Odiyo, J. O. 2022. A Review of Air Pollution Mitigation Approach Using Air Pollution Tolerance Index (APTI) and Anticipated Performance Index (API). *Atmosphere*, 13(3). <https://doi.org/10.3390/atmos13030374>
- Fariz, T. R., & Nurhidayati, E. 2015. Arahan Pengembangan RTH Berdasarkan Estimasi Suhu Permukaan Daratan Di Kota Pekalongan. *Jurnal Conference on Urban Studies and Development*, Hal. 68-79.
- Faroqi, A., Prabowo Hadisantoso, E., Kurnia Halim, D., & Sanjaya WS, M. 2017. Perancangan Alat Pendeteksi Kadar Polusi Udara Menggunakan Sensor Gas MQ-7 dengan Teknologi Wireless HC-05. *Jurnal ISTEK*, 10(2), 33–47. <https://journal.uinsgd.ac.id/index.php/istek/article/view/1476>
- Giuliana, F. E., Ardana, M., Rusli, R. 2015. PENGARUH pH TERHADAP AKTIVITAS ANTIOKSIDAN EKSTRAK DAUN MIANA (*Coleus atropurpureus* L. Benth). *Prosiding Seminar Nasional Kefarmasian*, 1.
- Hanun, S. S., Muqoffa, M., & Hardiana, A. 2021. Penerapan prinsip ekowisata pada redesain fasilitas pusat informasi mangrove di kota pekalongan. *Senthong: Jurnal Ilmiah Mahasiswa Arsitektur*, 4(2), 791–802. <https://jurnal.ft.uns.ac.id/index.php/senthong/index>
- Haryanti, S., & Meirina, T. 2009. Optimalisasi pembukaan porus stomata daun kedelai (*Glycine max* (L) merril) pada pagi hari dan sore Optimizing the opening of soybean stomata stalk (*Glycine max* (L) merril) in the morning and afternoon. *Jurnal Bioma*, 11(1), 18–23. http://eprints.undip.ac.id/2001/1/Bioma_Haryanti_Juni_2009.pdf
- Hasna Salsabila, S., Nugrahani, P., & Santoso, J. 2020. Toleransi Tanaman Lanskap Terhadap Pencemaran Udara di Kota Sidoarjo. *Jurnal Lanskap Indonesia*, 12(2), 73–78. <https://doi.org/10.29244/jli.v12i2.32533>
- He, J., Gong, S., Yu, Y., Yu, L., Wu, L., Mao, H., Song, C., Zhao, S., Liu, H., Li, X., & Li, R. 2017. Air pollution characteristics and their relation to meteorological conditions during 2014–2015 in major Chinese cities. *Environmental Pollution*, 223, 484–496. <https://doi.org/10.1016/j.envpol.2017.01.050>
- Hidayaturohman, F., Widyorini, N., & Jati, O. E. 2021. ANALISIS KELIMPAHAN BAKTERI *Aeromonas hydrophila* DI PERAIRAN RAWA PENING DESA KEBONDOWO, SEMARANG. *Jurnal Pasir Laut*, 5(1), 1–8. <https://doi.org/10.14710/jpl.2021.31894>
- IQAir. 2024. *Kualitas udara di Kota Pekalongan*. Diakses pada 20 Oktober 2024 dari <https://www.iqair.com/id/indonesia/central-java/pekalongan?srsId=AffmB0opV7Ew7xDKsEcnjjob2VS3v1JmKlwqCbLTeehUSgNPJysgCJ27>

- Jigyasu, D. K., Kumar, A., Shabnam, A. A., Begum, R., Singh, S., Malyan, S. K., Neog, K., & Vijayakumari, K. M. 2023. Air pollution tolerance index of *Persea bombycina*: Primary food plant of endemic muga silkworm (*Antheraea assamensis*). *Helicon*, 9(11), e21184. <https://doi.org/10.1016/j.helicon.2023.e21184>
- Kandpal, H., & Rai, J. P. N. 2024. Detect urban trees air pollution sensitivity & tolerance by leaf trait analysis in the industrial zone of Kumaun Himalaya Uttarakhand India. *Urban Climate*, 55(May), 101932. <https://doi.org/10.1016/j.uclim.2024.101932>
- Konseptual, P., & Karminarsih, E. 2007. Pemanfaatan Ekosistem Mangrove bagi Minimasi Dampak Bencana di Wilayah Pesisir The Use of Ecosystem Mangrove in Minimalize Disaster Impact in Beach Area. *Jmht*, XIII(3), 182–187.
- Kristiani, A. W., & Soetjipto, W. 2019. Urbanisasi, Konsumsi Energi, dan Emisi CO₂ : Adakah Perbedaan Korelasinya di Kawasan Barat Indonesia (KBI) dan Kawasan Timur Indonesia (KTI)? *Jurnal Wilayah Dan Lingkungan*, 7(3), 166–180. <https://doi.org/10.14710/jwl.7.3.166-180>
- Kurniati, C. 2015. *Evaluasi nilai APTI dan API pada Swietenia macrophylla dan Agathis dammara yang terdapat di Kampus ITB Ganessa, Bandung*. June. <https://doi.org/10.13057/psnmbi/m010712>
- Kusumaningrum, A., Wayan Gunam, I. B., & Mahaputra Wijaya, I. M. (2019). OPTIMASI SUHU DAN Ph TERHADAP AKTIVITAS ENZIM ENDOGLUKANASE MENGGUNAKAN RESPONSE SURFACE METHODOLOGY (RSM). *Jurnal Rekayasa Dan Manajemen Agroindustri*, 7(2), 243. <https://doi.org/10.24843/jrma.2019.v07.i02.p08>
- Lohe, R. N., Tyagi, B., Singh, V., Kumar Tyagi, P., Khanna, D. R., & Bhutiani, R. 2015. A comparative study for air pollution tolerance index of some terrestrial plant species. *Global Journal of Environmental Science and Management*, 1(4), 315–324. <https://doi.org/10.7508/gjesm.2015.04.006>
- Lumban Tobing, A. N., Darmanti, S., Hastuti, E. D., & Izzati, M. 2021. Struktur Anatomi Daun Mangrove Api-api Putih [*Avicennia marina* (Forsk.) Vierh] Di Pantai Mangunharjo, Semarang. *Buletin Anatomi Dan Fisiologi*, 6(1), 96–103. <https://doi.org/10.14710/baf.6.1.2021.96-103>
- Mahmuda, R., Aritonang, D., Evitrisna, & Harefa, M. S. 2023. Mengatasi Dalam Rehabilitasi di Kawasan Mangrove di Paluh Marbau, Tanjung Rejo, Kabupaten Deli Serdang. *Jurnal Ilmiah Multi Disiplin Indonesia*, 2(E-ISSN : 2809-1612, P-ISSN : 2809-1620), 553–565.
- Mandal, M., Popek, R., Przybysz, A., Roy, A., Das, S., & Sarkar, A. 2023.

- Breathing Fresh Air in the City: Implementing Avenue Trees as a Sustainable Solution to Reduce Particulate Pollution in Urban Agglomerations. *Plants*, 12(7). <https://doi.org/10.3390/plants12071545>
- Marantika, M., Hiariej, A., & Sahertian, D. E. 2021. Kerapatan dan Distribusi Stomata Daun Spesies Mangrove di Desa Negeri Lama Kota Ambon. *Jurnal Ilmu Alam Dan Lingkungan*, 12(1), 1–6. <http://journal.unhas.ac.id>
- Mardiansjah, F. H., Rahayu, P., Diponegoro, U., & Maret, U. S. 2020. 25842-65043-1-Pb. 20, 151–168.
- Martuti, N. K. T. 2013. Peranan tanaman terhadap pencemaran udara di Jalan Protokol Kota Semarang (The Role of Plants Against Air Pollution in The Protocol Street of Semarang City). *Biosantifika*, 5(1), 37–42.
- Mentari, R. J., Soenardjo, N., & Yulianto, B. 2022. Potensi Fitoremediasi Mangrove *Rhizophora mucronata* Terhadap Logam Berat Tembaga di Kawasan Mangrove Park, Pekalongan. *Journal of Marine Research*, 11(2), 183–188. <https://doi.org/10.14710/jmr.v11i2.33246>
- Mulyani, E. 2018. Perbandingan Hasil Penetapan Kadar Vitamin C pada Buah Kiwi (*Actinidia deliciosa*) dengan Menggunakan Metode Iodimetri dan Spektrofotometri UV-Vis. *Jurnal Farmasi*, 3(2), 14–17.
- Mutaqin, A. Z., Budiono, R., Setiawati, T., Nurzaman, M., & Fauzia, R. S. 2016. Studi Anatomi Stomata Daun Mangga (*Mangifera indica*) Berdasarkan Perbedaan Lingkungan. *Jurnal Biodjati*, 1(1), 13. <https://doi.org/10.15575/biodjati.v1i1.1009>
- Nadgórska-Socha, A., Kandziora-Ciupa, M., Trzęsicki, M., & Barczyk, G. 2017. Air pollution tolerance index and heavy metal bioaccumulation in selected plant species from urban biotopes. *Chemosphere*, 183, 471–482. <https://doi.org/10.1016/j.chemosphere.2017.05.128>
- Najafi Zilaie, M., Mosleh Arani, A., & Etesami, H. 2023. The importance of plant growth-promoting rhizobacteria to increase air pollution tolerance index (APTI) in the plants of green belt to control dust hazards. *Frontiers in Plant Science*, 14(March), 1–11. <https://doi.org/10.3389/fpls.2023.1098368>
- Ngibad, K., & Herawati, D. 2019. Perbandingan Pengukuran Kadar Vitamin C Menggunakan Spektrofotometri UV-Vis pada Panjang Gelombang UV dan Visible. *Borneo Journal of Medical Laboratory Technology*, 1(2), 77–81. <https://doi.org/10.33084/bjmlt.v1i2.715>
- Ngoro, K., Persada, I., Ngoro, N. I. P., & Klorofil, A. K. 2017. ANALISIS KADAR KLOROFIL PADA POHON ANGSANA (*Pterocarpus indicus* Willd.) DI Dosen Program Studi Pendidikan Biologi Universitas Muhammadiyah

Malang. April, 287–293.

- Novita, A., Saragih, S., Lubis, E., Rahman Cemda, A., & Julia, H. 2021. Respon Pertumbuhan Rumpuk Vetiver (*Vetiveria zizanioides* L.) terhadap Pemberian Asam Askorbat pada Kondisi Tercekam Salinitas. *Agrica Ekstensi*, 15(1), 21–26.
<https://ejournal.polbangtanmedan.ac.id/index.php/agrica/article/view/68>
- Oksanen, E., & Kontunen-Soppela, S. 2021. Plants have different strategies to defend against air pollutants. *Current Opinion in Environmental Science and Health*, 19, 100222. <https://doi.org/10.1016/j.coesh.2020.10.010>
- Oktaviani, E., & Daningsih, E. 2022. Distribusi dan Luas Stomata pada Tanaman Hias Monokotil. *Jurnal Ilmu Pertanian Indonesia*, 27(1), 34–39.
<https://doi.org/10.18343/jipi.27.1.34>
- Pandey, A. K., Pandey, M., & Tripathi, B. D. 2015. Air Pollution Tolerance Index of climber plant species to develop Vertical Greenery Systems in a polluted tropical city. *Landscape and Urban Planning*, 144, 119–127.
<https://doi.org/10.1016/j.landurbplan.2015.08.014>
- Pathak, V., Tripathi, B. D., & Mishra, V. K. 2011. Evaluation of Anticipated Performance Index of some tree species for green belt development to mitigate traffic generated noise. *Urban Forestry and Urban Greening*, 10(1), 61–66. <https://doi.org/10.1016/j.ufug.2010.06.008>
- Petruzzellis, F., Tordoni, E., Di Bonaventura, A., Tomasella, M., Natale, S., Panepinto, F., Bacaro, G., & Nardini, A. 2022. Turgor loss point and vulnerability to xylem embolism predict species-specific risk of drought-induced decline of urban trees. *Plant Biology*, 24(7), 1198–1207.
<https://doi.org/10.1111/plb.13355>
- Pimentel Victório, C., Silva dos Santos, M., Cordeiro Dias, A., Silvério Pena Bento, J. P., dos Santos Ferreira, B. H., da Costa Souza, M., Kato Simas, N., & do Carmo de Oliveira Arruda, R. 2023. Laguncularia racemosa leaves indicate the presence of potentially toxic elements in mangroves. *Scientific Reports*, 13(1), 1–15. <https://doi.org/10.1038/s41598-023-31986-x>
- Purba, D., Subiyanto, S., & Hani'ah. 2018. Analisis Kebutuhan Ruang Terbuka Hijau Berdasarkan Pendekatan Kebutuhan Oksigen Di Kota Pekalongan Dengan Menggunakan Penginderaan Jauh Dan Sistem Informasi Geografis. *Jurnal Geodesi Undip*, 7(4), 264–273.
- Putri, A. S., Chrisnawati, L., Agustrina, R., Priyambodo, P., & Ernawati, E. 2023. Relative Water Content and Peroxidase Enzyme Activity Lampung Local Rice in the Germination Phase Induced by Polyethylene Glycol 6000. *Metamorfosa: Journal of Biological Sciences*, 10(2), 214–222.

<https://doi.org/10.24843/metamorfosa.2023.v10.i02.p04>

- Putriani, A., Prayogo, H., & Wulandari, R. S. 2019. Karakteristik Stomata Pada Pohon Di Ruang Terbuka Hijau Universitas Tanjungpura Kota Pontianak. *Jurnal Hutan Lestari*, 7(2), 746–751. <https://doi.org/10.26418/jhl.v7i2.33629>
- Rantung, O., Korua, A. I., & Datau, H. 2021. Perbandingan Ekstraksi Vitamin C dari 10 Jenis Buah-Buahan Menggunakan Sonikasi Dan Homogenisasi. *Indonesian Journal of Laboratory*, 4(3), 124–133. <https://doi.org/10.22146/ijl.v4i3.69983>
- Rindyastuti, R., & Hapsari, L. 2017. Adaptasi Ekofisiologi Terhadap Iklim Tropis Kering: Studi Anatomi Daun Sepuluh Jenis Tumbuhan Berkayu. *Jurnal Biologi Indonesia*, 13(1), 1–15. <https://doi.org/10.47349/jbi/13012017/1>
- Rochim, F. N., & Syahbana, J. A. 2018. Penetapan Fungsi Dan Kesesuaian Vegetasi Pada Taman Publik Sebagai Ruang Terbuka Hikau (Rth) Di Kota Pekalongan. *Teknik PWK*, 2, 314–327.
- Samiyarsih, S., Suparjana, T. B., & Juwarno, J. 2017. Karakter Antomi Daun Tumbuhan Mangrove Akibat Pencemaran di Hutan Mangrove Kabupaten Cilacap. *Biosfera*, 33(1), 31. <https://doi.org/10.20884/1.mib.2016.33.1.288>
- Setiawati, T., Saragih, I. A., Nurzaman, M., & Mutaqin, A. Z. 2016. Analisis Kadar Klorofil dan Luas Daun Lampeni (*Ardisia humilis* Thunberg) pada Tingkat Perkembangan yang Berbeda di Cagar Alam Pangandaran. *Prosiding Seminar Nasional MIPA*, 122–126.
- Silaen, S. 2021. Pengaruh Transpirasi Tumbuhan Dan Komponen Didalamnya. *Agroprimatech*, 5(1).
- Singh, H., Yadav, M., Kumar, N., Kumar, A., & Kumar, M. 2020. Assessing adaptation and mitigation potential of roadside trees under the influence of vehicular emissions: A case study of *Grevillea robusta* and *Mangifera indica* planted in an urban city of India. *PLoS ONE*, 15(1), 1–20. <https://doi.org/10.1371/journal.pone.0227380>
- Sinyo, Y., Tolangara, A., Saibi, N., & Sabtu, R. 2022. Analisis Salt Content pada Media Akar dan Daun Mangrove *Secreter Avicennia Sp.* *EDUKASI - Jurnal Pendidikan*, 20(2), 197–205.
- Smirnoff, N. 1996. The function and metabolism of ascorbic acid in plants. *Annals of Botany*, 78(6), 661–669. <https://doi.org/10.1006/anbo.1996.0175>
- Sumadji, A. R., & Purbasari, K. 2018. Indeks Stomata, Panjang Akar Dan Tinggi Tanaman Sebagai Indikator Kekurangan Air Pada Tanaman Padi Varietas Ir64 Dan Ciharang. *JURNAL AGRI-TEK: Jurnal Penelitian Ilmu-Ilmu Eksakta*, 19(2), 82–85. <https://doi.org/10.33319/agtek.v19i2.7>

- Wang, J., Jiang, H., Zhou, Q., Wu, J., & Qin, S. 2016. China's natural gas production and consumption analysis based on the multicycle Hubbert model and rolling Grey model. *Renewable and Sustainable Energy Reviews*, 53, 1149–1167. <https://doi.org/10.1016/j.rser.2015.09.067>
- Wolf, K. L., Lam, S. T., McKeen, J. K., Richardson, G. R. A., Bosch, M. van den, & Bardekjian, A. C. 2020. Urban trees and human health: A scoping review. *International Journal of Environmental Research and Public Health*, 17(12), 1–30. <https://doi.org/10.3390/ijerph17124371>
- Wróblewska, K., & Jeong, B. R. 2021. Effectiveness of plants and green infrastructure utilization in ambient particulate matter removal. *Environmental Sciences Europe*, 33(1). <https://doi.org/10.1186/s12302-021-00547-2>
- Yarnvudhi, A., Leksungnoen, N., Andriyas, T., Tor-Ngern, P., Premashthira, A., Wachrinrat, C., Marod, D., Hermhuk, S., Pattanakiat, S., Nakashizuka, T., & Kjelgren, R. 2022. Assessing the Cooling and Air Pollution Tolerance among Urban Tree Species in a Tropical Climate. *Plants*, 11(22), 1–18. <https://doi.org/10.3390/plants11223074>
- Zilaie Najafi, M., Mosleh Arani, A., & Etesami, H. 2023. The importance of plant growth-promoting rhizobacteria to increase air pollution tolerance index (APTI) in the plants of green belt to control dust hazards. *Frontiers in Plant Science*, 14(March), 1–11. <https://doi.org/10.3389/fpls.2023.1098368>