



## DAFTAR PUSTAKA

- Agustina, N. and Istiqomah, N., 2021. Analisis Kadar Metabolit Sekunder, Histokimia, dan Aktivitas Antioksidan Akar *Acalypha indica L.* *Journal Syifa Sciences and Clinical Research*, 3(2), pp.45-51.
- Ahmad, H. and Adiningsih, R., 2019. Efektivitas metode fitoremediasi menggunakan tanaman eceng gondok dan kangkung air dalam menurunkan kadar bod dan tss pada limbah cair industri tahu. *Jurnal Farmasetis*, 8(2), pp.31-38.
- Anurag, K., Irchaiya, R., Yadaf, A., Gupta, N., Kumar, S., Prakash, A., and Gurjar, H. (2015). Metabolites in plants and its classification. *World Journal of Pharmacy and Pharmaceutical Sciences*, 4(1), 287-305.
- Apriani, I., 2016. Pengembangan media belajar: angkak beras merah dan teh (*Camellia sinensis*) sebagai pewarna alternatif preparat basah jaringan tumbuhan. *Bioilmi: Jurnal Pendidikan*, 2(1), pp.59-65.
- Aslani, F., Bagheri, S., Muhd Julkapli, N., Juraimi, A.S., Hashemi, F.S.G. and Baghdadi, A., 2014. Effects of engineered nanomaterials on plants growth: an overview. *The Scientific World Journal*, 2014(1), p.641759.
- Brechú-Franco, A.E., Laguna-Hernández, G., De la Cruz-Chacón, I. and González-Esquinca, A.R., 2016. In situ histochemical localisation of alkaloids and acetogenins in the endosperm and embryonic axis of *Annona macroprophyllata* Donn. Sm. seeds during germination. *European Journal of Histochemistry: EJH*, 60(1), pp.55-58.
- Cavoski, I., Caboni, P. and Miano, T., 2011. Natural pesticides and future perspectives. *Pesticides in the modern world-pesticides use and management*, 10, p.17550.
- Chipeng, F.K., Hermans, C., Colinet, G., Faucon, M.P., Ngongo, M., Meerts, P. and Verbruggen, N., 2010. Copper tolerance in the cuprophyte *Haumaniastrum katangense* (S. Moore) PA Duvign. & Plancke. *Plant and Soil*, 328, pp.235-244.
- Dalimarta, S. 2009. Atlas Tumbuhan Obat Indonesia. Jakarta : Tribus Agriwidya.
- Dwiyanti, R.D., Nurlailah, N. and Widiningsih, I.K., 2015. Efektivitas air rebusan daun

- binahong (*Anredera cordifolia*) terhadap pertumbuhan *Salmonella typhi*. *Medical Laboratory Technology Journal*, 1(1), pp.1-6.
- Elfriede, D., Arifin, Y. and Aprilia, N., 2023. Analisis Kontaminasi Logam Berat dan Mikroba Pada Gula Aren Sesuai Standar Pangan Indonesia di Pusat Produksi Desa Menggala Lombok Utara. *Jurnal Ilmiah Membangun Desa dan Pertanian*, 8(6), pp.214-222.
- FADHILAH, A.F., ARJADI, F. and GUMILAS, N.S.A., 2022, December. Perbedaan Jumlah Sel Sertoli Pasca Pemberian Ekstrak Etanol Akar Purwoceng (*Pimpinella alpina*). In *Gunung Djati Conference Series* (Vol. 15, pp. 75-81).
- Fajarningsih, N.D., Intaqta, N., Praseptiangga, D., Anam, C. and Chasanah, E., 2018. Karakterisasi Biokimia Lektin Makroalga *Sargassum polycystum* dan *Turbinaria ornata* (Biochemical Characterisation of Lectin Derived from *Sargassum polycystum* and *Turbinaria ornata* Macroalgae).
- Geisler-Lee, J., Brooks, M., Gerfen, J.R., Wang, Q., Fotis, C., Sparer, A., Ma, X., Berg, R.H. and Geisler, M., 2014. Reproductive toxicity and life history study of silver nanoparticle effect, uptake and transport in *Arabidopsis thaliana*. *Nanomaterials*, 4(2), pp.301-318.
- Handayanto, E., Nuraini, Y., Muddarisna, N., Syam, N. & Fiqri, A. 2017. *Fitoremediasi dan Phytomining Logam Berat Pencemar Tanah*. UB Press: Malang. Halaman 15-25.
- Holm, L.G., Plucknett, D.L., Pancho, J.V. and Herberger, J.P., 1977. *The world's worst weeds. Distribution and biology*. University Press of Hawaii..
- Hopkins, W.G. 1999. *Introduction to Plant Physiology*. Toronto: John Wiley and Sons, Inc.
- Irhamni, I., Pandia, S., Purba, E. and Hasan, W., 2017. Kajian akumulator beberapa tumbuhan air dalam menyerap logam berat secara fitoremediasi. *Jurnal Serambi Engineering*, 1(2), pp.75-84.
- ITIS. (Integrated Taxonomic Information System).  
[https://www.itis.gov/servlet/SingleRpt/SingleRpt?search\\_topic=TSN&searc](https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&searc)



h\_value=39900#null. Diakses pada tanggal 28 Maret 2023.

- Lasat, M. M. 2003. The Use of Plants for the Removal of Toxic Metals from Contaminated Soil. American Association for the Advancement of Science Environmental Science and Engineering Fellow.
- Mulyatni, A.S., Budiani, A. and Taniwiriyono, D., 2012. Aktivitas antibakteri ekstrak kulit buah kakao (*Theobroma cacao L.*) terhadap Escherichia coli, Bacillus subtilis, dan Staphylococcus aureus. *Menara Perkebunan*, 80(2), pp.77-84.
- Marlany, R., Setiawati, S. and Tamburaka, R.S.E., 2023. Pemanfaatan Tanaman Air untuk Menurunkan Parameter Pencemar pada Kali Kadia Kota Kendari Menggunakan Metode Fitoremediasi: Indonesia. *AJIE (Asian Journal of Innovation and Entrepreneurship)*, pp.100-117.
- Moreno-Garrido, I., Pérez, S. and Blasco, J., 2015. Toxicity of Silver and Gold Nanoparticles on Marine Microalgae. *Marine environmental research*, 111, pp.60-73.
- Navarro, E., Baun, A., Behra, R., Hartmann, N.B., Filser, J., Miao, A.J., Quigg, A., Santschi, P.H. and Sigg, L., 2008. *Environmental behavior and ecotoxicity of engineered nanoparticles to algae, plants, and fungi*. *Ecotoxicology*, 17, pp.372-386.
- Nora, A., & Seprianto. (2017). Bioteknologi Bahan Alam ( Ibt 452 ). Modul . Bioteknologi. Universitas Esa Unggul, Ibt 452, 1–85.
- Padmaningrum, R.T. and Marwati, S., 2008. Rancangan pengolahan limbah cair industri electroplating. In *Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA*. Yogyakarta (Vol. 30, pp. 85-90).
- Pandey, P.V., Bodhi, W. and Yudistira, A., 2013. Uji efek analgetik ekstrak rumput teki (*Cyperus Rotundus L.*) pada tikus putih jantan galur wistar (Rattus novergicus). *PHARMACON*, 2(2), pp.44-48.
- Pradana, A.W., Samiyarsih, S. and Muljowati, J.S., 2017. Korelasi karakter anatomi daun ubi jalar (*Ipomoea batatas L.*) kultivar tahan dan tidak tahan terhadap intensitas penyakit kudis daun. *Scripta Biologica*, 4(1), pp.21-29.
- Prahesti, N.R., Suzery, M. and Cahyono, B., 2015. The antioxidant activities, phenolic



total and cytotoxicity of extract and fractions of *Aloe vera* Linn. *Jurnal Sains dan Matematika Universitas Diponegoro*, 23, pp.50-54.

Prashariska, K., Pitoyo, A. and Solichatun, S., 2021. A Pengaruh Indole-3-Acetic Acid (IAA) dan Benzyl Amino Purine (BAP) terhadap Induksi dan Deteksi Alkaloid Kalus Kamilen (*Matricaria chamomilla L.*): Pengaruh Indole-3-Acetic Acid (IAA) dan Benzyl Amino Purine (BAP) terhadap Induksi dan Deteksi Alkaloid Kalus Kamilen (*Matricaria chamomilla L.*). *Innofarm: Jurnal Inovasi Pertanian*, 23(2), pp.104-114.

Ranti, M.A.D., Suryani, N.N. and Budiasa, I.K.M., 2017. Pengaruh Pemberian Kadar Air Berbeda terhadap Pertumbuhan dan Produksi Hijauan Tanaman *Indigofera Zollingeriana*. *Jurnal Peternakan Tropika*, 5(1).

Ratnasari, Y., 2021. Kajian Etnobotani dan Histokimia Familia Zingiberaceae di Wilayah Kecamatan Sumbermanjing Wetan Kabupaten Malang.

Ratte, H.T., 1999. Bioaccumulation and toxicity of silver compounds: a review. *Environmental Toxicology and Chemistry: An International Journal*, 18(1), pp.89-108.

Raven, P., Evert, R. F., & Eichhorn, S. (2012). *Biology of Plants* (8th ed.). New York, NY, USA: W. H. Freeman and Company.

Riskitavani, D.V. and Purwani, K.I., 2013. Studi potensi bioherbisida ekstrak daun ketapang (*Terminalia catappa*) terhadap gulma rumput teki (*Cyperus rotundus*). *Jurnal Sains dan Seni ITS*, 2(2), pp.E59-E63.

Sangeetha, J., Soytong, K., Thangadurai, D. and Al-Tawaha, A.R.M. eds., 2022. *Organic Farming for Sustainable Development*. CRC Press.

Shackira, A.M. and Puthur, J.T., 2017. Enhanced phytostabilization of cadmium by a halophyte—*Acanthus ilicifolius* L. *International journal of phytoremediation*, 19(4), pp.319-326.

Shahid, M., Dumat, C., Khalid, S., Schreck, E., Xiong, T & Niazi, N. K. 2016. Foliar Heavy Metal Uptake, Toxicity and Detoxification in Plants: A Comparison of Foliar and Root Metal Uptake. *Jurnal of Hazardous Materials*. 325(2017): 36-58.



- Siahaan, B.C., Utami, S.R. and Handayanto, E., 2014. Fitoremediasi tanah tercemar merkuri menggunakan *Lindernia crustacea*, *Digitaria radicosaa*, dan *Cyperus rotundus* serta pengaruhnya terhadap pertumbuhan dan produksi tanaman jagung. *Jurnal Tanah dan Sumberdaya Lahan*, 1(2), pp.35-51.
- Suprapto, M., & Rudiawarni, F. D. (2019). Analisis kandungan logam berat dalam air dan tanah akibat kegiatan industri perak di Kotagede, Yogyakarta. *Jurnal Penelitian Pengelolaan Daerah Aliran Sungai (Journal of Watershed Management Research)*, 3(1), 37-49.
- Sutikno. 2016. Panduan Praktikum Mikroteknik Tumbuhan. Fakultas Biologi UGM: Yogyakarta. Halaman 24-31.
- Thakur, A. and Kumar, A., 2023, August. Ecotoxicity Analysis and Risk Assessment of Nanomaterials for the Environmental Remediation. In *Macromolecular Symposia* (Vol. 410, No. 1, p. 2100438).
- Tripathi, D.K., Tripathi, A., Singh, S., Singh, Y., Vishwakarma, K., Yadav, G., Sharma, S., Singh, V.K., Mishra, R.K., Upadhyay, R.G. and Dubey, N.K., 2017. Uptake, Accumulation and Toxicity of Silver Nanoparticle in Autotrophic Plants, and Heterotrophic Microbes: A Concentric Review. *Frontiers in Microbiology*, 8, pp.07-07.
- Wei, H., Deng, W., Zheng, H., Zhou, C., Liu, Z., Yang, C., Zhang, X. and Tan, D., 2022. Anatomical and histochemical structures of *Cyperus rotundus* L. facilitate success in amphibious environments. *Flora*, 295, p.152150.
- Yan, A. and Chen, Z., 2019. Impacts of silver nanoparticles on plants: a focus on the phytotoxicity and underlying mechanism. *International Journal of Molecular Sciences*, 20(5), p.1003.
- Yoon, J., Cao, X., Zhou, Q. and Ma, L.Q., 2006. Accumulation of Pb, Cu, and Zn in native plants growing on a contaminated Florida site. *Science of the Total Environment*, 368(2-3), pp.456-464.

Peraturan Daerah (PERDA) Provinsi Daerah Istimewa Yogyakarta Nomor 7 Tahun 2016 tentang Baku Mutu Air Limbah.