

Daftar Pustaka

- Abdullah, A. 2019. Deteksi Keberadaan Bakteri Tahan Logam Merkuri (Hg) Pada Tambang Emas Tanpa Izin (BOX) Di Simpi, Sekadau, Kalimantan barat. *Jurnal Kimia Murni dan Terapan Indonesia*, 1 : 56 – 61
- Abidin, A. Z., E. Renjana, and N. M. Fatimah. 2019. Uji Toleransi Logam Berat Bakteri Hidrokarbonoklastik dan Uji Kemampuan *Micrococcus* sp. LII61 dalam Menurunkan Kromium (Cr VI), Tembaga (Cu II), Seng (Zn II). *Bioedukasi: Jurnal Pendidikan Biologi*, 12 : 66-73.
- Achtsami, S. 2016. Isolasi dan identifikasi bakteri penghasil ACC deaminase dari akar tanaman teh (*Camellia sinensis*) dan kakao (*Theobroma cacao*). Fakultas Pertanian. Universitas Gadjah Mada. Skripsi.
- Adam, G. and H. J. Duncan. 1999. Effect of diesel fuel on growth of selected plant species. *Environmental geochemistry and health* 21 : 353–357
- Ahemad, M., & Kibret, M. 2013. Recent trends in microbial biosorption of heavy metals: a review. *Biochemistry and Molecular Biology*, 1 : 19-26.
- Akbar, M. R. V, L. Y. Budiarti, and E. Edyson. 2016. Perbandingan efektivitas antibakteri antara ekstrak metanol kulit batang katsuuri dengan ampicilin terhadap *Staphylococcus aureus*. *Berkala Kedokteran* 12: 1-9.
- Akhgar, A. R., M. Arzanlou, P. A. H. M. Bakker, and M. Hamidpour. 2014. Characterization of 1-aminocyclopropane-1-carboxylate (ACC) deaminase containing *Pseudomonas* spp. in the rhizosphere of salt-stressed canola. *Pedosphere*, 24 461-468.
- Arisusanti, R. J., and K. I. Purwani. 2013. Pengaruh Mikoriza *Glomus fasciculatum* Terhadap Akumulasi Logam Timbal (Pb) pada Tanaman Dahlia pinnata. *Jurnal Sains dan Seni Pomits* 2 : 2337-3520.
- Arshad, M., M. Saleem, dan S. Hussain. 2007. Perspectives of bacterial ACC deaminase in phytoremediation. *TRENDS in Biotechnology*, 25 : 356-362.
- Asghar, H., Z. Zahir, M. Arshad, and A. Khaliq. 2002. Relationship between in vitro production of auxins by rhizobacteria and their growth-promoting activities in *Brassica juncea* L. *Biology and Fertility of Soils*, 35 : 231-237.
- Begani, R. K., and Begani, A. Z. 2017. Alluvial Gold Mining Sites as Exposure Pathways for Methyl Mercury Toxicity in Children: A Systematic Review. *Health* 9 : 930–941.
- Belimov, A. A., I. C. Dodd, N. Hontzeas, J. C. Theobald, V. I. Safronova, and W. J. Davies. 2009. Rhizosphere bacteria containing 1-aminocyclopropane-1 carboxylate deaminase increase yield of plants grown in drying soil via both local and systemic hormone signalling. *New Phytologist*, 181 : 413-423.

- Chaney, R. L, M. Malik, Y. M. Li, S. L. Brown, E. P. Brewer, J. S. Angle, and A. J. Baker. 1997. Phytoremediation of soil metals. Current opinion in Biotechnology, 8 : 279-284.
- Chen, L., I. C. Dodd, J. C. Theobald, A. A. Belimov, and W. J. Davies. 2013. The rhizobacterium *Variovorax paradoxus* 5 C-2, containing ACC deaminase, promotes growth and development of *Arabidopsis thaliana* via an ethylene dependent pathway. Journal of experimental botany, 64 : 1565-1573.
- Chohan, Z. H, C. T. Supuran, and A. Scozzafava. 2005. Metal binding and antibacterial activity of ciprofloxacin complexes. Journal of Enzyme Inhibition and Medicinal Chemistri 20 : 303-307.
- Esdaile, L. J., and C. M. Justin. 2018. The Mercury Problem in Artisanal and Small Scale Gold Mining. Chemistry–A European Journal, 24 : 6905-6916.
- Freire, J. R. J. 1982. Some important soil limiting factors of the symbiosis *Rhizobium* legumes. Paper presented at Training Course on Biological Nitrogen Fixation. Caracas
- Gadd, G. M. 2010. Metals, Minerals and Microbes: Geomicrobiology and Bioremediation Microbiology 156 : 609-643.
- Gerth, A. 2000. Phytoremediation of soil and sludge with special examination of heavy metal contamination In: Wise DL, Trantolo DJ, Cichon EJ
- Gupitasari, Y. 2019. Pengaruh bakteri penghasil ACC Deaminase pada pertumbuhan dan hasil tanaman kedelai dalam kondisi cekaman kekeringan. Fakultas Pertanian. Universitas Gadjah Mada. Skripsi
- Hardiani, H. 2009. Potensi Tanaman Dalam Mengakumulasi Logam Cu Pada Media Tanah Terkontaminasi Limbah Padat Industri Kertas. Bioscience, 44 : 27-40.
- Indonesia, P. R. 1990. Peraturan Pemerintah No. 20 Tahun 1990 Tentang: Pengendalian Pencemaran Air.
- Irawati, W., A. Hasthosaputro, and L. Kusumawati. 2020. Multistansi dan Akumulasi *Acinetobacter* sp. IrC2 terhadap Logam Berat. Jurnal Biologi Papua, 12 : 114-122.
- Irsyad, M., R. Sikanna, and M. Musafira. 2014. Translokasi merkuri pada tanaman bayam dari tanah tercemar. Natural science : Journal of Science and Technology 3(1).
- Juhriah, and Mir Alam. 2017. Fitoremediasi Logam Berat Merkuri (Hg) pada Tanah Dengan Tanaman *Celosia Argentea (Voss) Burv.* Bioma: Jurnal Biologi Makassar 1:1
- Juliawan, N. 2005. Pendataan Penyebaran Unsur Merkuri Pada Wilayah Pertambangan Cibaliung, Kabupaten Pandeglang, Provinsi Banten, Direktorat Inventarisasi Sumber Daya Mineral Bandung.

- Juwarkar, A. A., R. R. Misra, and J. K. Sharma. 2014. Recent trends in bioremediation. In *Geomicrobiology and biogeochemistry* Springer, Berlin, Heidelberg. 81-100
- Kusumastuti, A. 2003. Peranan bahan organik dalam interaksi rhizobakteri osmotoleran dan Padi IR 64 pada dua aras lengas tanah udipsament. Sekolah Pascasarjana. Universitas Gadjah Mada. Master Thesis
- Kusumowati, I. T. D., Siswandono, and M. Rudyanto. 2011. Hubungan struktur turunan N Klorobenzoilamoksisilin dan aktivitas antibakterinya terhadap *Pseudomonas aeruginosa* ATCC 27853. *Jurnal Farmasi Indonesia* 5: 142-149.
- Laskar, Folguni and G. D. Sharma. 2013. Strainion and Characteristion of Diazotrophic Bacteria from Rhizosphere Of Diffrent Rice Cultivars of South Assam, India. *Current World Environment* 8 : 157 - 163
- Lelang, M. A and A. Setiadi. 2016. Pengaruh Iradiasi Sinar Gamma Pada Benih Terhadap Keragaan Tanaman Jengger Ayam (*Celosia cristata L.*). *Savana Cendana* 01 : 47-50
- Li, Q., Shah, S. S. Saleh-Lakha, and B. R. Glick. 2006. Growth of tobacco in nickel contaminated soil in the presence of the plant growth-promoting bacterium decreases nickel toxicity in seedlings. *Appl. Environ. Microbiology*. 64,
- Loper, J.E., C. Haack, M.N. Schroth. 1985. Population dynamics of soil *Pseudomonas* in the rhizosphere of potato (*Solanum tuberosum*). *Applied Environmental Microbiology*. 49: 416-422.
- Ma, W., F.C. Guinel, B.R. Glick. 2003. Rhizobium leguminosarum biovar viciae 1 aminocyclopropane-1-carboxylate deaminase promotes nodulation of pea plants. *Applied Environmental Microbiology*. 69: 4396-4402.
- Mahavong, K. P, Pataranawat, and S. Chinwetkitvanich. 2017. Mercury Contamination in Environment Surrounding Coal-Fired Power Plant. *International Journal of Geomate* 12 : 71-77.
- Mariwy, A., Y. H. Dulanlebit, and F. Yulianti. 2020. Studi Akumulasi Logam Berat Merkuri Menggunakan Tanaman Awar-Awar (*Ficus septica burm F.*). *Indonesian Journal of Chemical Research*, 7: 159-169.
- Meirina, A. D., Ngadiman, dan S. Wedhastri. 2016. Isolasi dan Identifikasi Bakteri Penghasil ACC-deaminase dari Akar Tanaman Bawang Merah, Cabe, dan Kentang. Skripsi, Universitas Gadjah Mada.
- Raharjo, D., E. Mustamir and U. E. Suryadi. 2012. Uji Efektivitas Beberapa Jenis Arang Aktif dan Tanaman Akumulator Logam Pada Lahan Bekas Penambangan Emas, *Jurnal Perkebunan Dan Lahan Tropika*, 2 : 15-22.
- Samar, Y. S, A. Mariwy, and J. B. Manuhutu. 2019. Fitoremediasi merkuri (Hg) menggunakan tanaman kacang Kalopo (*Calopogonium mucunoides*). *Science Map Journal*, 1: 93-98.

- Sessitsch, A., M. Kuffner, P. Kidd, J. Vangronsveld, W. Wenzel, W., Fallmann, K., and M. Puschenreiter. 2013. The role of plant-associated bacteria in the mobilization and phytoextraction of trace elements in contaminated soils. *Soil Biology and Biochemistry*, 60 : 182-194.
- Shen, Z., Y. Wang, Y. Chen, and Z. Zhang. 2017. Transfer of heavy metals from the polluted rhizosphere soil to *Celosia argentea* L. in copper mine tailings. *Horticulture, Environment, and Biotechnology*, 93-100.
- Siddikee, M. A., B. R. Glick, P. S. Chauhan, W. Jong Yim, and T. Sa. 2011. Enhancement of growth and salt tolerance of red pepper seedlings (*Capsicum annuum* L.) by regulating stress ethylene synthesis with halotolerant bacteria containing 1 aminocyclopropane-1-carboxylic acid deaminase activity. *Plant Physiology and Biochemistry*, 49 : 427-434.
- Singh, T. and D. K. Singh. 2017. Phytoremediation of Organochlorine Pesticides: Concept, Method, and Recent Developments. *Journal of Phytoremediation* 19:834–843
- Soemirat, J. 2003. Toksikologi Lingkungan. Gadjah Mada University Press. Yogyakarta.
- Tan, K. H. 2000. Environmental Soil Science. Marcel Dekker Inc. New York.
- Tang, M., F. Li, M. Yang, and Y. Zhang, 2020. Degradation of kanamycin from production wastewater with high-concentration organic matrices by hydrothermal treatment. *Journal of Environmental Sciences*, 97:11-18.
- U.S.EPA. 2000. Introduction to Phytoremediation. United States Environmental Protection Agency, Office of Research and Development, Cincinnati.
- Wang, S. T, D. Zhong, Chen, and X. Zhang. 2016. Spatial distribution of mercury (Hg) concentration in agricultural soil and its risk assessment on food safety in China. *Sustainability*. 8: 795
- Widowati, H. 2011. Pengaruh Logam Berat Cd, Pb terhadap Perubahan Warna Batang dan Daun Sayuran, *Ei Hayah*, 1:167-173.
- Wisanggara, R. M. Firdaus, and R. Oktaviani. 2018. Daya saing bisnis PT Pesona Daun Mas Asri berdasarkan Aktivitas Rantai Nilai. *Jurnal Aplikasi Bisnis dan Manajemen*, 73.
- Wu, C. H, T. K. Wood, A. Mulchandani, and W. Chen. 2006. Engineering plant-microbe symbiosis for rhizoremediation of heavy metals. *Applied and environmental microbiology*, 72:1129-1134.
- Zhang, W., M. Ni, Y. Su, H. Wang, S. Zhu, A. Zhao and G. Li. 2018. MicroRNAs in serum exosomes as potential biomarkers in clear-cell renal cell carcinoma. *European urology focus*, 4 : 412-419.