

DAFTAR PUSTAKA

- Arab, B., F. Hassanpour, M. Arshadi, S. Yaghmaei, & J. Hamedi. 2020. Optimized bioleaching of copper by indigenous cyanogenic bacteria isolated from the landfill of e-waste. *Journal of Environmental Management* 261: 110-124.
- Arshadi, M., & S. Mousavi. 2015. Enhancement of simultaneous gold and copper extraction from computer printed circuit boards using *Bacillus megaterium*. *Bioresource Technology* 75: 315–324.
- Bakker, P.A.H.M., C.M.J. Pieterse, & L.C. van Loon. 2007. Induced systemic resistance by fluorescent *Pseudomonas* spp. *Phytopathology* 97, 239–243.
- Blumer, C. & D. Haas. 2000. Mechanism, regulation, and ecological role of bacteria cyanide biosynthesis. *Archives of Microbiology* 173:170-177.
- Brandl, H., S. Lehmann, M. A. Faramarzi, & D. Martinelli. 2008. Biomobilization of silver, gold, and platinum from solid waste materials by HCN-forming microorganisms. *Hydrometallurgy* 94: 14–17.
- Broderick, K. E., A. Chan, M. Balasubramanian, J. Faela, S. L. Reed, M. Panda, V. S. Sharma, R. B. Pliz, T. D. Bigby, & G. R. Boss. 2008. Cyanide produced by human isolates of *Pseudomonas aeruginosa* contributes to lethality *Drosophila melanogaster*. *The Journal of Infectious Diseases* 197: 457-464.
- Brysk, M. M., W. A. Corpe, & L. V. Hankes. 1969. β -Cyanoalanine formation by *Chromobacterium violaceum*. *Journal of Bacteriology* 9: 322-327.
- Bunch, A. W. & C. J. Knowles. 1986. Microbial cyanide metabolism. *Advance Microbial Physiology* 27:73–111.
- Campbell, S. C., G. J. Olson, T. R. Clark, & G. McFeters. 2001. Biogenic production of cyanide and its application to gold recovery. *Journal of Industrial Microbiology and Biotechnology* 26: 134-139.
- Chi T. D., J. Lee, & B. D. Pandey. 2011. Bioleaching of gold and copper from waste mobile phone PCBs by using a cyanogenic bacterium. *Minerals Engineering* 24: 1219-1222.
- Choi, M. S., K. S. Cho, D. S. Kim, & D. J. Kim. 2004. Microbial recovery of copper from printed circuit boards of waste computer by *Acidithiobacillus ferrooxidans*. *Journal of Environmental Science and Health* 39: 2973-2982
- Chueachot, R., & S. Chanthai. 2014. Spectrophotometric determination of trace cyanide in fruit wines by the catalytic reaction of ninhydrin following micro-distillation. *Oriental Journal of Chemistry* 30: 119–131.
- Creczynski-Pasa, T. B., & R. V. Ant3nio. 2004. Energetic metabolism of *Chromobacterium violaceum*. *Genetics and Molecular Research* 3: 162-166.

- Culnan, D. M., C. Beretta, B. Genevieve, K. D. Capek, T. Yiji, W. C. Lineaweaver, & M. J. Kuhlmann-Capek. 2018. Carbon monoxide and cyanide poisoning in the burned pregnant patient. *Annals of Plastic Surgery* 80: 106–112.
- Durán, M., A. Faljoni-Alario, & N. Durán. 2010. *Chromobacterium violaceum* and its important metabolites—review. *Folia Microbiologica* 55: 535-547.
- Dzombak, A. D., R. S Gsosh, & G. M. W. Chong. 2005. Cyanide in Water and Soil: Chemistry, Risk, and Management. CRC Press, Florida.
- Faramarzi, M. A., M. Stagars, E. Pensini, W. Krebs, & H. Brandl. 2004. Metal solubilization from metal-containing solid materials by cyanogenic *Chromobacterium violaceum*. *Journal of Biotechnology* 113: 321-326.
- Felix. 2020. Isolasi dan Identifikasi Bakteri Penghasil Sianida. Fakultas Pertanian. Universitas Gadjah Mada. Skripsi.
- Isildar, A., J. van de Vossenbergh, E. R. Rene, E. D. van Hullebusch, & P. N. Lens. 2016. Two-step bioleaching of copper and gold from discarded printed circuit boards (PCB). *Waste Management* 57: 149-157.
- Kita, Y., H. Nishikawa, & T. Takemoto. 2006. Effects of cyanide and dissolved oxygen concentration on biological Au recovery. *Journal of Biotechnology* 124: 545-551.
- Knowles, C. J., & A. W. Bunch. 1986. Microbial cyanide metabolism. *Advance in Microbial Physiology* 27: 73-111.
- Krieger, R. I. 2010. Hayes' Handbook of Pesticide Toxicology. Academic Press, United States.
- Kumar, A., H. S. Saini, & S. Kumar. 2018. Bioleaching of gold and silver from waste printed circuit boards by *Pseudomonas balearica* SAE1 isolated from an e-waste recycling facility. *Current Microbiology* 75: 194–201.
- Laville J., C. Blumer, C. Schroetter, V. Gaia, G. Défago, C. Keel, & D. Haas. 1998. Characterization of the hcnABC gene cluster encoding hydrogen cyanide synthase and anaerobic regulation by ANR in the strictly aerobic biocontrol agent *Pseudomonas fluorescens* CHA0. *Journal of Bacteriology* 180:3187–3196.
- Li, J., C. Liang, & C. Ma. 2015. Bioleaching of gold waste printed circuit boards by *Chromobacterium violaceum*. *Journal of Material Cycles and Waste Management* 17: 529-539.
- Li, J., J. Wen, Y. Guo, N. An, C. Liang, & Z. Ge. 2020. Bioleaching of gold from waste printed circuit boards by alkali-tolerant *Pseudomonas fluorescens*. *Hydrometallurgy* 105260.
- Liang, C., J. Li., & M. A. Chuanjing. 2014. Review on cyanogenic bacteria for gold recovery from e-waste. *Advance Material Research* 878: 353-367.
- Liu, R., J. Li, & Z. Ge. 2016. Review on *Chromobacterium violaceum* for gold bioleaching from e-waste. *Procedia Environmental Science* 31: 947-953.

- Logsdon, M. J., K. Hagelstein, & T. I. Mudder. 1999. Management of Cyanide in Gold Extraction. International Council on Metals and the Environment, Ontario.
- Luque-Almagro, V. M., C. Moreno-Vivián, & M. D. Roldan. 2016. Biodegradation of cyanide wastes from mining and jewellery industries. *Current Opinion in Biotechnology* 38:9–13.
- Maxwell, G. R., V. H. Edwards, M. Robertson, & K. Shah. 2007. Assuring process safety in the transfer of hydrogen cyanide manufacturing technology. *Journal of Hazardous Materials* 142: 677-684.
- McGivney, E., G. Xiaoyu, L. Yijing, L. V. Gregory, C. Elizabeth, K. B. Gregory, J. M. VanBriesen, & A. Astrid. 2018. Biogenic cyanide production promotes dissolution of gold nanoparticles in soil. *Environmental Science and Technology* 53:1287-1295.
- Mun, W., H. Kwon, H. Im, S. Y. Choi, A. K. Monnappa, & R. J. Mitchell. 2017. Cyanide production by *Chromobacterium piscinae* shields it from *Bdellovibrio bacteriovorus* HD100 predation. *mBio* 8: 01370-17
- Natarajan G. & Y. P. Ting. 2014. Pretreatment of e-waste and mutation of alkali-tolerant cyanogenic bacteria promote gold biorecovery. *Bioresources Technology* 152:80-85.
- Oshima, H., E. Ueno, I. Saito, & H. Matsumoto. 2003. Quantitative determination of cyanide in foods spectrophotometry using picric acid test strips. *Japanese Journal of Food Chemistry and Safety* 10: 96-100.
- Ow, Y. L. P., D. R. Green, Z. Hao, & T. W. Mak. 2008. Cytochrome c: functions beyond respiration. *Nature Reviews Molecular Cell Biology* 9: 532-542.
- Parker-Cote, J. L., J. Rizer, J. P. Vakkalanka, S.V. Rege, & C. P. Holstege. 2018. Challenges in the diagnosis of acute cyanide poisoning. *Clinical Toxicology* 56: 609-617
- Pradhan, J. K., & S. Kumar. 2012. Metals bioleaching from electronic waste by *Chromobacterium violaceum* and *Pseudomonads* sp. *Waste Management and Research* 30: 1151-1159.
- Ray, P., J. Sharma, R. S. Marak, S. Singhi, N. Taneja, R. K. Garg, & M. Sharma. 2004. *Chromobacterium violaceum* septicaemia from north India. *Indian Journal of Medical Research* 120: 523-526.
- Rees, K.L., & J. S. J. Van Deventer. 1999. Role of metal-cyanide species in leaching gold from a copper concentrate. *Minerals Engineering*. 12, 877–892.
- Rice, N. C., N. A. Rauscher, J. L. Langston, & T. D. Myers. 2018. Behavioral toxicity of sodium cyanide following oral ingestion in rats: dose-dependent onset, severity, survival, and recovery. *Food and Chemical Toxicology* 114: 145 – 154.
- Shin, D., J. Jeong, S. Lee, B. D. Pandey, & J. C. Lee. 2013. Evaluation of bioleaching factors on gold recovery from ore by cyanide-producing bacteria. *Minerals Engineering* 4: 20–24.

- Short, S. M., S. Van-Tol, H. J. MacLeod, & G. Dimopoulos. 2018. Hydrogen cyanide produced by the soil bacterium *Chromobacterium* sp. Panama contributes to mortality in *Anopheles gambiae* mosquito larvae. *Scientific Reports* 8: 1-13.
- Silverstain, D. C. & K. Hopper. 2015. *Critical Care Medicine*. Elsevier, California
- Singh, R., M. Kumar, A. Mittal, & P. K. Mehta. 2017. Microbial metabolites in nutrition, healthcare, and agriculture. *3 Biotech* 7: 15
- Spence, C., E. Alff, C. Johnson, C. Ramos, N. Donofrio, V. Sundaresan, & H. Bais. 2014. Natural rice rhizospheric microbes suppress rice blast infections. *BMC Plant Biology* 14: 130.
- Surleva, A., M. Zaharia, K. Ion, R. V. Graddinaru, G. Drochioiu, & I. Mangalagiu. 2013. Ninhydrin-based spectrophotometric assays of tracecyanide. *ACTA Chemica* 21: 57-70.
- Tay, S. B., G. Natarajan, M. N. A. Rahim, H. T. Tan, M. C. Chung, Y. P. Ting, & W. S. Yew. 2013. Enhancing gold recovery from electronicwaste via lixiviant metabolic engineering in *Chromobacterium violaceum*. *Scientific Reports* 3: 2236.
- Tran, C. D., J. C. Lee, B. D. Pandey, J. Jeong, K. Yoo, & T. H. Huynh. 2011. Bacterial cyanide generation in presence of metal ions (Na^+ , Mg^{2+} , Fe^{2+} , Pb^{2+}) and gold bioleaching from waste PCBs. *Journal of Chemical Engineering of Japan* 44: 692 – 700.
- Vishnu, T. S. & M. Palaniswamy. 2016. Isolation and Identification of *Chromobacterium* sp. from different ecosystem. *Asian Journal of Pharmaceutical and Clinical Research* 9: 253-257.
- Yuan, Z., Y. Yuan, W. Liu, J. Ruan, Y. Li, Y. Fan, & R. Qiu. 2019. Heat evolution and energy analysis of cyanide bioproduction by a cyanogenic microorganism with the potential for bioleaching of precious metals. *Journal of Hazardous Materials* 377: 284-289.
- Zacarias, C. H., C. Esteban, G. L. Rodrigues, & E. S. Nascimento. 2017. Occupational exposure to hydrogen cyanide during large-scale cassava processing, in Alagoas State, Brazil. *Cad Saude Publica* 33:1-17