

## DAFTAR PUSTAKA

- Apriscia, & Nunun. 2016. Pengaruh Pemberian Pupuk Kompos Limbah Domestik Terhadap Pertumbuhan Vegetatif Tanaman Tebu (*Saccharum Officinarum* L.) Asal Bibit Bud Chip. *Journal of Agricultur Science*, 1, 15.
- Arifan, F. Dan Wikanta, D.K. 2011. Optimasi Produksi Ikan Lemuru (*Sardinella Longiceps*) Tinggi Asam Lemak Omega-3 Dengan Proses Fermentasi Oleh Bakteri Asam Laktat. *Prosiding Seminar Nasional Sains Dan Teknologi Fakultas Teknik*. 1(1), Hal. 15–20.
- Avila, C. L. S., Carvalho, B. F., Pinto, J. C., Duarte, W. F., & Schwan, R. F. 2014. The use of *Lactobacillus* species as starter cultures for enhancing the quality of sugar cane silage. *Journal of Dairy Science*, 97(2), 940-951.
- Damayanti, D. P. O., Handoyo, T., & Slameto, S. 2018. Pengaruh ammonium (NH<sub>4</sub><sup>+</sup>) dan nitrat (NO<sub>3</sub><sup>-</sup>) terhadap pertumbuhan dan kandungan minyak atsiri tanaman kemangi (*Ocimum basilicum*) dengan sistem hidroponik. *Agritrop: Jurnal Ilmu-Ilmu Pertanian (Journal of Agricultural Science)*, 16(1), 164-175.
- da Mota, R. P., De Camargo, R., Lemes, E. M., Lana, R. M. Q., de Almeida, R. F., & de Moraes, E. R. 2019. Biosolid and sugarcane filter cake in the composition of organomineral fertilizer on soybean responses. *International Journal of Recycling of Organic Waste in Agriculture*, 8, 131-137.
- de Andrade, L. A., Santos, C. H. B., Frezarin, E. T., Sales, L. R., & Rigobelo, E. C. 2023. Plant growth-promoting rhizobacteria for sustainable agricultural production. *Microorganisms*, 11(4), 1088.
- Dian. 2013. *Pengaruh Pupuk Organik Terhadap Pertumbuhan Vegetatif Tanaman Tebu (Saccharum officinarum L.)*. [Skripsi]. Politeknik Negeri Lampung. Lampung.
- Di Benedetto, N. A., Corbo, M. R., Campaniello, D., Cataldi, M. P., Bevilacqua, A., Sinigaglia, M., & Flagella, Z. 2017. The role of plant growth promoting bacteria in improving nitrogen use efficiency for sustainable crop production: a focus on wheat. *AIMS microbiology*, 3(3), 413.
- Dutta S, Podile AR 2010. Plant Growth Promoting Rhizobacteria (PGPR): the bugs to debug the root zone. *Critical Reviews in Microbiology* 36(3): 232–244.
- dos Santos, R. M., Diaz, P. A. E., Lobo, L. L. B., & Rigobelo, E. C. 2020. Use of plant growth-promoting rhizobacteria in maize and sugarcane: characteristics and applications. *Frontiers in Sustainable Food Systems*, 4, 136.

- Elfianis, R. 2020. *Syarat Tumbuh Tanaman Tebu*. <https://Agrotek.Id/Syarat-Tumbuh-Tanaman-Tebu/>.
- Etesami, H., Jeong, B. R., & Glick, B. R. 2023. Potential use of *Bacillus* spp. as an effective biostimulant against abiotic stresses in crops—A review. *Current Research in Biotechnology*, 100128.
- FAMPERTA UMSU. 2022. *Peran Penting Unsur Hara Makro untuk Pertumbuhan dan Produksi Tanaman*. <https://Faperta.Umsu.Ac.Id/2022/02/23/Peran-Penting-Unsur-Hara-Makro-Untuk-Pertumbuhan-Dan-Produksi-Tanaman/>.
- Fangohoy, L., Niken, D., Program, R. W., Penyuluhan, S., Sekolah, P., Penyuluhan, T., & Malang, P. 2017. Pemanfaatan Limbah Blotong Pengolahan Tebu Menjadi Pupuk Organik Berkualitas Utilization Of Filter Cake From Sugar Cane Processing To Be Qualified Organic Fertilizers. In *Jurnal Triton* (Vol. 8, Issue 2).
- Fauzan Alwani, M., & Mawarni, L. 2019. Pertumbuhan Bibit Bud set Tebu (*Saccharum officinarum* L.) pada Berbagai Umur Bahan Tanam dan Lama Penyimpanan. *Agroekoteknologi* (Vol. 7, Issue 1).
- Glick, B. R. 1995a. The enhancement of plant growth by free-living bacteria. *Canadian Journal of Microbiology*. 41(2):109–117.
- Glick, B. R. 2014b. Bacteria with ACC deaminase can promote plant growth and help to feed the world. *Microbiological Research*, 169, 30–39. doi:10.1016/j.micres.2013.09.009
- Gomez-Silva, B., Timko, M. P., & Schiff, J. A. 1985. Chlorophyll biosynthesis from glutamate or 5-aminolevulinic acid in intact *Euglena* chloroplasts. *Planta*, 165, 12-22.
- Goswami, D., Thakker, J. N., & Dhandhukia, P. C. 2016. Portraying mechanics of plant growth promoting rhizobacteria (PGPR): A review. *Cogent Food & Agriculture*, 2(1), 1127500.
- Govindasamy, V., Senthilkumar, M., Magheshwaran, V., Kumar, U., Bose, P., Sharma, V., & Annapurna, K. 2011. *Bacillus* and *Paenibacillus* spp.: potential PGPR for sustainable agriculture. *Plant growth and health promoting bacteria*, 333-364..
- Hamid, B., Zaman, M., Farooq, S., Fatima, S., Sayyed, R. Z., Baba, Z. A., ... & Suriani, N. L. 2021. Bacterial plant biostimulants: a sustainable way towards improving growth, productivity, and health of crops. *Sustainability*, 13(5), 2856.
- Hanson, A. D., & Kende, H. 1976. Methionine metabolism and ethylene biosynthesis in senescent flower tissue of morning-glory. *Plant Physiology*, 57(4), 528-537.

- Indrawanto, C., Purwono, Siswanto, & Syakir, M. 2010. *Budidaya dan Pasca Panen Tebu*. EKSA Media.
- Jaiswal, S. K., Mohammed, M., Ibny, F. Y., & Dakora, F. D. 2021. Rhizobia as a source of plant growth-promoting molecules: Potential applications and possible operational mechanisms. *Frontiers in Sustainable Food Systems*, 4, 619676.
- Kuan, K. B., Othman, R., Abdul Rahim, K., & Shamsuddin, Z. H. 2016. Plant growth-promoting rhizobacteria inoculation to enhance vegetative growth, nitrogen fixation and nitrogen remobilisation of maize under greenhouse conditions. *PLoS one*, 11(3), e0152478.
- Kumar, S., Sindhu, S. S., & Kumar, R. (2022). Biofertilizers: An ecofriendly technology for nutrient recycling and environmental sustainability. *Current Research in Microbial Sciences*, 3, 100094.
- Kuspratomo, A.D., Burhan, dan Fakhry. M. 2012. Pengaruh Varietas Tebu, Potongan dan Penundaan Giling Terhadap Nira Tebu. *Agrointek*. 6:2,123–132.
- Lee, D. G., Lee, J. M., Choi, C. G., Lee, H., Moon, J. C., & Chung, N. 2021. Effect of plant growth-promoting rhizobacterial treatment on growth and physiological characteristics of *Triticum aestivum* L. under salt stress. *Applied Biological Chemistry*, 64, 1-10.
- Levitt, J. 2012. *Chilling, freezing, and high temperature stresses* (Vol. 1). Elsevier.
- Magandi, F. I. 2019. Korelasi Dosis Pemupukan Nitrogen terhadap Produktivitas dan Rendemen Tebu (*Saccharum officinarum* L.). *Buletin Agrohorti*, 7(2), 224-229.
- Maitra, S., Brestic, M., Bhadra, P., Shankar, T., Praharaj, S., Palai, J. B., ... & Hossain, A. 2021. Bioinoculants—Natural biological resources for sustainable plant production. *Microorganisms*, 10(1), 51.
- Muliandari, N., Sudiarso, S., & Sumarni, T. 2021. Analisis Pertumbuhan Tanaman Tebu (*Saccharum officinarum* L.) Akibat Aplikasi Vermikompos dan Plant Growth Promoting Rhizobacteria (PGPR). *Jurnal Agro Industri Perkebunan*, 73–82. <https://doi.org/10.25181/jaip.v9i2.1973>
- Noroozlo, Y. A., Souri, M. K., & Delshad, M. 2019a. Stimulation effects of foliar applied glycine and glutamine amino acids on lettuce growth. *Open Agriculture*, 4(1), 164-172.

- Noroozlo, Y. A., Souri, M. K., & Delshad, M. 2019b. Effects of foliar application of glycine and glutamine amino acids on growth and quality of sweet basil. *Advances in Horticultural Science*, 33(4), 495-502.
- Nurnasari, E., Djumali, D., Penelitian, B., Tembakau, T., Serat, D., Karangploso, J. R., & Pos, K. 2010. Pengaruh Kondisi Ketinggian Tempat Terhadap Produksi dan Mutu Tembakau Temanggung. *Buletin Tanaman Tembakau, Serat & Minyak Industri*.
- Oyier, M.O., J.O. Owuochi, M.E. Oyoo. 2017. Effect of Harvesting Stage on Sweet Sorghum Genotypes in Western Kenya. *The Scientific Journal*. 4(2017): 467-476.
- Pambudi, D., Indrawan, M., & Soemarno, S. 2017. Pengaruh blotong, abu ketel, kompos terhadap ketersediaan fosfor tanah dan pertumbuhan tebu di lahan tebu Pabrik Gula Kebon Agung, Malang. *Jurnal Tanah dan Sumberdaya Lahan*, 4(1), 431-443.
- Perchlik, M., & Tegeder, M. 2018. Leaf amino acid supply affects photosynthetic and plant nitrogen use efficiency under nitrogen stress. *Plant physiology*, 178(1), 174-188.
- Purwaningsih, S., Agustiyani, D., & Antonius, S. 2021. Diversity, activity, and effectiveness of Rhizobium bacteria as plant growth promoting rhizobacteria (PGPR) isolated from Dieng, central Java. *Iranian Journal of Microbiology*, 13(1), 130.
- Putra, E., Sudirman, A., Indrawati, W., Jurusan, M., Tanaman, B., Dan, P., Pengajar, S., & Budidaya, J. 2016. Pengaruh Pupuk Organik pada Pertumbuhan Vegetatif Tanaman Tebu (*Saccharum officinarum* L.) Varietas GMP 2 dan GMP 3 (The Effect of Organic Fertilizer on Vegetative Growth of Sugarcane [*Saccharum officinarum* L.] GMP 2 and GMP 3 Varieties). In *Jurnal Agro Industri Perkebunan Jurnal AIP* (Vol. 4).
- Radhakrishnan, R., Hashem, A., & Abd\_Allah, E. F. 2017. Bacillus: A biological tool for crop improvement through bio-molecular changes in adverse environments. *Frontiers in physiology*, 8, 667.
- Rahmatan, H. 2016. Pengaruh penyiraman air kelapa (*Cocos nucifera* L.) terhadap pertumbuhan vegetatif lada (*Piper nigrum* L.). *Jurnal Ilmiah Mahasiswa Pendidikan Biologi*, 1(1).
- Rahni, N. M. 2012. Efek fitohormon PGPR terhadap pertumbuhan tanaman jagung (*Zea mays*). *CEFARS: Jurnal Agribisnis dan Pengembangan Wilayah*, 3(2), 27-35.

- Rifa'1 R.S., Potensi Blotong (Filter Cake) sebagai Pupuk Organik Tanaman Tebu, 2009.LPP,Yogyakarta,
- Rosa, P. A. L., Galindo, F. S., Oliveira, C. E. D. S., Jalal, A., Mortinho, E. S., Fernandes, G. C., ... & Teixeira Filho, M. C. M. 2022. Inoculation with plant growth-promoting bacteria to reduce phosphate fertilization requirement and enhance technological quality and yield of sugarcane. *Microorganisms*, 10(1), 192.
- Rotur Rochimah, N., Wahib Muhaimin, A., Magister Program Pengelolaan Sumberdaya Lingkungan dan Pembangunan, M., Brawijaya, U., Tanah Fakultas Pertanian, J., & Sosial Ekonomi Fakultas Pertanian, J. 2014. *Pengaruh Perubahan Iklim Terhadap Produksi Dan Rendemen Tebu di Kabupaten Malang*.
- Roy Choudhury, S., Johns, S. M., & Pandey, S. 2019. A convenient, soil-free method for the production of root nodules in soybean to study the effects of exogenous additives. *Plant Direct*, 3(4), e00135.
- Santos, R. M., Kandasamy, S., & Rigobelo, E. C. 2018. Sugarcane growth and nutrition levels are differentially affected by the application of PGPR and cane waste. *MicrobiologyOpen*, 7, e00617.
- Santoso, B., & Sastrosupadi, A. 2020. Pemanfaatan Blotong Dan Fosfat Alam Pada Tanaman Rosela Di Lahan Podsolik Merah Kuning Kalimantan Selatan. *Jurnal Littri*. 9 (3), 109-115.
- Silva, J. H. B., Almeida, L. J. M., Silva, A. V., Araújo, J. R. E. S., Santos, J. P. O., Silva, A. J., ... & Mielezrski, F. (2023). Filter cake increases sugarcane yield. *Brazilian Journal of Biology*, 83, e273414.
- Soemarno, 2012. Pentingnya Hara Kalium dan Pupuk Bagi Tanaman Tebu. Bahan Kajian Mata Kuliah Pupuk dan Pemupukan. Jurusan Tanah. Fakultas Pertanian Universitas Brawijaya. Malang
- Souri, M. K. 2016. Aminocheilate fertilizers: the new approach to the old problem; a review. *Open Agriculture*, 1(1), 118-123.
- Sowmya, R. S., Warke, V. G., Mahajan, G. B., & Annapure, U. S. (2023). Effect of amino acids on growth, elemental content, functional groups, and essential oils composition on hydroponically cultivated coriander under different conditions. *Industrial Crops and Products*, 197, 116577.
- Sulistyoningtyas, M. E., Roviq, M., & Wardiyati, T. 2017. *Pengaruh pemberian PGPR (plant growth promoting rhizobacteria) pada pertumbuhan bud chip tebu*

- (*Saccharum officinarum L.*) (Doctoral dissertation, Brawijaya University). *Jurnal Produksi Tanaman* (Vol. 5 No. 3)
- Supari, S., Taufik, T., & Gunawan, B. 2015. Analisa kandungan kimia pupuk organik dari blotong tebu limbah dari pabrik gula trangkil. In *Prosiding Seminar Sains Nasional dan Teknologi* (Vol. 1, No. 1).
- Supriyo, E. 2010. Peningkatan Kandungan P<sub>2</sub>O<sub>5</sub> Pada Pupuk Pospat Alam Dengan Aktivasi Yeast (*Saccaromyces Cereviceae*). *Gema Teknologi*, 16(1), 22-25.
- Syukur, A. 2021. Asam Amino dan Manfaatnya Bagi Tanaman. <https://Distan.Babelprov.Go.Id/Content/Asam-Amino-Dan-Manfaatnya-Bagi-Tanaman>.
- Tando, E., & Pengkajian Teknologi Pertanian Sulawesi Tenggara Alamat korespondensi, B. 2017. Review: Peningkatan Produktivitas Tebu (*Saccharum Officinarum l.*) pada Lahan Kering Melalui Pemanfaatan Bahan Organik dan Bahan Pelembab Tanah Sintesis. In *Jurnal Biotropika* / (Vol. 5, Issue 3).
- Teheran-Sierra, L. G., Funniceili, M. I. G., de Carvalho, L. A. L., Ferro, M. I. T., Soares, M. A., & Pinheiro, D. G. 2021. Bacterial communities associated with sugarcane under different agricultural management exhibit a diversity of plant growth-promoting traits and evidence of synergistic effect. *Microbiological Research*, 247, 126729.
- Teixeira, W. F., Fagan, E. B., Soares, L. H., Soares, J. N., Reichardt, K., & Neto, D. D. (2018). Seed and foliar application of amino acids improve variables of nitrogen metabolism and productivity in soybean crop. *Frontiers in Plant Science*, 9, 396.
- Viswanathan, R., & Samiyappan, R. (1999). Induction of systemic resistance by plant growth promoting rhizobacteria against red rot disease in sugarcane. *Sugar Tech*, 1, 67-76.
- Waitiu. 2022. Teknologi Pembuatan Pupuk Asam Amino (Sebagai Pengganti Pupuk Npk Kimia Sintetis, *Cyber Exrension Pertanian*.
- Windiastika, G. 2019. *Good Agriculture Practice (GAP) Tanaman Tebu (Saccharum officinarum L.)*. [Http://Disperta.Pasuruankab.Go.Id/Artikel-919-Good-Agriculture-Practice-Gap-Tanaman-Tebu-Saccharum-Officinarum-l-.Html](http://Disperta.Pasuruankab.Go.Id/Artikel-919-Good-Agriculture-Practice-Gap-Tanaman-Tebu-Saccharum-Officinarum-l-.Html).
- Winter, G., Todd, C. D., Trovato, M., Forlani, G., & Funck, D. 2015. Physiological implications of arginine metabolism in plants. *Frontiers in plant science*, 6, 534.

- Zapata-Sifuentes, G., Hernandez-Montiel, L. G., Saenz-Mata, J., Fortis-Hernandez, M., Blanco-Contreras, E., Chiquito-Contreras, R. G., & Preciado-Rangel, P. 2022. Plant growth-promoting rhizobacteria improve growth and fruit quality of cucumber under greenhouse conditions. *Plants*, 11(12), 1612.
- Zeng, S. L., Li, S. Z., Xiao, P. T., Cai, Y. Y., Chu, C., Chen, B. Z., ... & Liu, E. H. (2020). Citrus polymethoxyflavones attenuate metabolic syndrome by regulating gut microbiome and amino acid metabolism. *Science advances*, 6(1), eaax6208.