DAFTAR PUSTAKA

Adilah Salma Shofiyanti, & Anna Kusumawati. 2024. Perbandinngan Produktivitas Tanaman Tebu *(Saccharum officinarum L.)* Kategori Plantcane dan Ratoon cane Ke-4 Varietas Bululawang pada Lahan Berat di Desa Sambiroto Kecamatan Nanggulan Kabupaten Kulon Progo. *Prosiding Seminar Nasional Pembangunan Dan Pendidikan Vokasi Pertanian*, *5*(1), 1203–1209. https://doi.org/10.47687/snppvp.v5i1.1192

Amin, M., Mulyawan, R., Santari, P. T., Manwan, S. W., & Prasetyo, R. A. 2023. Pemupukan Silikon dalam Meningkatkan Pertumbuhan dan Hasil Tanaman Sorgum. *Vegetalika*, *12*(4), 325. https://doi.org/10.22146/veg.84207

Ardiyansyah, B., & Purwono, 2015. Mempelajari Pertumbuhan dan Produktivitas Tebu (Saccharum Officinarum. L) dengan Masa Tanam Sama pada Tipologi Lahan Berbeda. In *Buletin Agrohorti* (Vol. 3, Issue 3). https://doi.org/10.29244/agrob.3.3.357-365

Arista, Y., Wijaya, K. A., & Slameto. 2015. Morfologi dan Fisiologi Dua Varietas Tebu (Saccharum officinarum L.) Sebagai Respon Pemupukan Silika. *Berkala Ilmiah Pertanian*, *1*(1), 1–5.

Bardan, M. 2019. Tingkat Efisiensi Pemberian Air Bagi Pertumbuhan Tanaman. *CivETech*, *1*(1), 39–47. https://doi.org/10.47200/civetech.v1i1.845

Batista, L. M. T., Ribeiro Junior, W. Q., Ramos, M. L. G., Bufon, V. B., Sousa, R. Z., Vinson, C. C., & Deuner, S. 2024. Effect of Irrigation on Sugarcane Morphophysiology in the Brazilian Cerrado. *MDPI*, *13*(7), 1–18. https://doi.org/10.3390/plants13070937

Bhebhe, Q. N. 2020. The Effects of Different Irrigation Intervals on Stalk Height and Circumference of the Sugarcane *(Saccharum Officinarum L)*. *International Journal of Progressive Sciences and Technologies (IJPSAT)*, *20*(2), 205–210.

BPS. 2023. Statistik Tebu Indonesia. In *Badan Statistik Tebu Indonesia*.

Chumphu, S., Jongrungklang, N., & Songsri, P. 2019. Association of physiological responses and root distribution patterns of ratooning ability and yield of the second ratoon cane in sugarcane elite clones. *Agronomy*, *9*(4). https://doi.org/10.3390/agronomy9040200

Daler, S., Kaya, O., Canturk, S., Korkmaz, N., Kılıç, T., Karadağ, A., & Hatterman-Valenti, H. 2025. Silicon Nanoparticles (SiO2 NPs) Boost Drought Tolerance in Grapevines by Enhancing Some Morphological, Physiological, and Biochemical Traits. *Plant Molecular Biology Reporter*, *43*(3), 1057–1075. https://doi.org/10.1007/s11105-024-01520-y

Ebrahimi, H., Soltani Mohammadi, A., Boroomand Nasab, S., Alamzadeh Ansari, N., & Juárez-Maldonado, A. 2024. Evaluation the impact of silicon nanoparticle on growth and water use efficiency of greenhouse tomato in drought stress condition. *Applied Water Science*, *14*(9), 1–10. https://doi.org/10.1007/s13201-024-02256-6

Effendi, M., Sugito, Y., & Sebayang, T. 2017. Pengaruh Frekuwensi Pemberian Air dan Komposisi Media Tanam Pada Pertumbuhan Bibit Tebu Budchip *(Saccharum officinarum L .)* Effec of Watering Frequency and Planting Media Composition on the Growth Cane Budchip Seedling (Saccharum officinarum L .). *Jurmal Produksi Tanaman*, *5*(8), 1321–1328. https://www.researchgate.net/profile/MokhtarEffendi/publication/349554393

Evizal, R. 2018. Perkebunan Tebu. *Pengelolaan Perkebunan Tebu*, 1–233.

Fadhilah, N., & dan Kristanto, K. B. 2021. Respon pertumbuhan dan produksi padi gogo (Oryza sativa L.) terhadap cekaman kekeringan dan pemupukan silika (Growth and production of upland rice response to drought stress and silica fertilization). *J. Agro Complex*, *5*(1), 1–13. http://ejournal2.undip.ac.id/index.php/joac

Fatima, K., Hashmi, M. S., Irshad, M. A., Ahmad, A., Riaz, A., & Alam, S. 2025. Development of Gluten-Free Rice Flour-Based Muffins Enriched With Flaxseed and Cinnamon Powder. *Sarhad Journal of Agriculture*, *41*(4), 1837–1845. https://doi.org/10.17582/journal.sja/2025/41.4.1837.1845

Hartanto, S., Irsal, & Barus, A. 2018. Tanggap Pertumbuhan Bibit Tebu Merah (Saccharum officinarum L.) Asal Bud Set terhadap Pemangkasan dan Frekuensi Penyiraman. *Jurnal Pertanian Tropik*, *5*(1), 136–146. https://doi.org/10.32734/jpt.v5i1.3148

Hartatik, D., Wijaya, K. A., & Bowo, C. 2015. The Growth Response of Sugarcane Varieties Bululawang andApplication of Silica. *Berkala Ilmiah Pertanian*, *x*, 1–5.

Hayati, O. D. P., Prihastanti, E., & Hastuti, E. D. 2019. Kombinasi Pupuk Nanosilika dan NPK Untuk Peningkatan Pertumbuhan Tanaman Jagung (Zea mays L.var pioneer 21). *Biologi Papua*, *11*(2), 94–102. https://doi.org/10.31957/jbp.896

Hitomi, Y., & Tokunaga, K. 2017. Significance of functional disease-causal/susceptible variants identified by whole-genome analyses for the understanding of human diseases. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, *93*(9), 657–676. https://doi.org/10.2183/pjab.93.042

Jalil, A., Hartatik, S., & Avivi, S. 2022. Pertumbuhan Tanaman Tebu Hasil Mutasi Pada Ketinggian Lokasi Berbeda. *Jurnal Biologi Papua*, *14*(2), 150–157. https://doi.org/10.31957/jbp.2295

Jamsari, Danis, R., Manti, I., & Renfiyeni. 2019. Repson Diferensial Fisiologis Tanaman Tebu *(Saccharum officinarum L.)* Pada Kondisi Cekaman Kekurangan Air. *Jurnal Agrista*, *23*(2), 100–111.

Kaushal, A., Patole, R., & Singh, K. G. 2016. Drip irrigation in sugarcane: A review. Agricultural Reviews, 37(3), 211–219.

Kementan. 2023. Standar Operasioanal Prosedur (SOP) Budidaya Tebu. In *Badan Standarisasi Instrumen Pertanian* (Issue 021).

Kusumawati, A., & Ismail, M. R. I. 2023. Analisa Faktor Pembatas Pertumbuhan Tebu (Saccharum officinarum L.) di Cangkringan, Yogyakarta. *AGROISTA : Jurnal Agroteknologi*, *6*(2), 93–100. https://doi.org/10.55180/agi.v6i2.321

Labiba, P. H., & Sasongko, P. E. 2025. Hubungan Silika Tanah dan Silika Jaringan Tanaman Pada Berbagai Penggunaan Lahan di Kecamatan Madiun. *Ilmu-Ilmu Pertanian*, *27*(2), 129–139.

Manurung, A. J., & Wardiyati, T. 2019. The Effect of Aquasorb Applications on the Growth of Sugarcane (Saccharum officinarum L.) Origin In Vitro. *Jurnal Produksi Tanaman*, *7*(3), 400–406. http://repository.ub.ac.id/id/eprint/161600/

Mastur, M. 2017. Respon Fisiologis Tanaman Tebu Terhadap Kekeringan, Physiological Responses of Sugarcane Plant to Drought. *Buletin Tanaman Tembakau, Serat & Minyak Industri*, *8*(2), 99. https://doi.org/10.21082/btsm.v8n2.2016.99-112

Minarsih, H., Pambudi, J., & Purwanto, R. A. 2020. Analisis ko-ekspresi gen-gen regulasi upstream dari gen Dehydrin di tanaman tebu (Saccharum officinarum L.) pada kondisi cekaman kekeringan. *E-Journal Menara Perkebunan*, *88*(2), 141–150. https://doi.org/10.22302/iribb.jur.mp.v88i2.396

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*, *9*(2), 73–82. https://doi.org/10.25181/jaip.v9i2.1973

Nur Hayati, M. D., Rosanti, A. D., & Utomo, P. S. 2021. Pengaruh Dosis Pupuk Nano Silika Sekam Padi Pada Pertumbuhan dan Produksi Jagung Manis (Zea mays saccharata Sturt L.) Varietas Talenta. *Jurnal Pertanian Cemara*, *18*(2), 46–54. https://doi.org/10.24929/fp.v18i2.1633

Nurnasari, E., & Djumali, 2019. Determination of Soil Moisture Duration before Harvesting that Influences the Sugar Cane Content. *Jurnal Ilmu Pertanian Indonesia*, *24*(2), 127–134. https://doi.org/10.18343/jipi.24.2.127

Pikukuh, P., Djajadi, Tyasmoro, S. Y., & Aini, N. 2015. Nano Silika (Si) terhadap pertumbuhan tanaman tebu (Saccharum officinarum L .). *Jurnal Produksi Tanaman*, *3*(3), 249–258.

Pinilih, Y., Taryono, T., & Wulandari, R. A. 2019. Pengembangan Metode Penyaringan Klon Tebu Tahan Kering Menggunakan Metode Pengendalian Kadar Lengas. *Vegetalika*, *8*(4), 251. https://doi.org/10.22146/veg.38433

Pitaloka, D., Sudiarso, S., Yudo Tyasmoro, S., & Prayogo, C. 2021. PGPR, Pemupukan Anorganik dan Vermikompost Terhadap Panjang Batang & Diameter Tebu *(Saccharum officinarum L.)* di Screenhouse. *Viabel: Jurnal Ilmiah Ilmu-Ilmu Pertanian*, *15*(2), 93–98. https://doi.org/10.35457/viabel.v15i2.1639

Prihartono, A., Sudirman, A., Azis, A., Jurusan, M., Tanaman, B., Dan, P., Pengajar, S., & Budidaya, J. 2016. Respons Pertumbuhan Vegetatif Beberapa Varietas Tebu (Saccharum officinarum L.) terhadap Pemberian Mikoriza Arbuskular (Response of Vegetative Growth Several Sugarcane Varieties *(Saccharum officinarum L.)* towards the Application of Arbuscular Mycorrhizae). *Jurnal Agro Industri Perkebunan Jurnal AIP*, *4*(1 |), 12–20.

Putri, F. M., Suedy, S. W. A., & Darmanti, S. 2017. Pengaruh Pupuk Nanosilika Terhadap Jumlah Stomata, Kandungan Klorofil dan Pertumbuhan Padi Hitam (Oryza sativa L. cv. japonica). *Buletin Anatomi Dan Fisiologi*, *2*(1), 72. https://doi.org/10.14710/baf.2.1.2017.72-79

Renfiyeni, R., Danis, R., Febria, D., & Manti, I. 2019. The Physiological Differential Response Of Sugar Cane (Saccharum Officinaruml.) On Water Deficit Condition. *JERAMI : Indonesian Journal of Crop Science*, *2*(1), 1–13. https://doi.org/10.25077/jijcs.2.1.1-13.2019

Riajaya, P. 2016. Iklim dan pengelolaan air tanaman tebu. *Bunga Rampai Peningkatan Produktivitas Tebu Untuk Mempercepat Swasembada Gula*, 55–72.

Sabatini, S. D., Budihastuti, R., & Suedy, S. W. A. (2017). The Effect of Nanosilica Fertilizer to Height and Number of Tillers of Red Rice (Oryza sativa L.var. indica). *Buletin Anatomi Dan Fisiologi*, *2*(2), 128–133.

Sahaka, F., Musa, Y., Farid, M., & Anshori, M. F. 2025. Research Article Productivity and Brix Content of Several Sugarcane (. *Journal of Agriculture*, *41*(4).

Sahur, A., B, A. H., & Achmad, P. A. 2022. Aplikasi Actinomycetes dan Pupuk NPK pada Pertumbuhan dan Perkembangan Bibit Tebu (Saccharum officinarum L .) Application of Actinomycetes and NPK Fertilizer on the Growth and Development of Sugarcane Seedlings (Saccharum officinarum L .) Daerah Sulawes. *Jurnal Agrivigor*, *13*(2), 147–164.

Sari, V. kartika, Haryono, K., & Basuki, B. 2021. Respon Varietas Tebu Unggul Baru Terhadap Pemberian Nano Silika Dan Cekaman Kekeringan. *Jurnal Penelitian Pertanian Terapan*, *21*(2), 91–98. https://doi.org/10.25181/jppt.v21i2.1988

Setiawan, S., Salim, A., Irawan, T. B., & Asmono, S. L. 2024. Analisa Faktor Pertumbuhan Tebu Terhadap Berat Nira Tebu (Saccarum officinarum L.). *Jagad Tani: Jurnal Ilmu Pertanian*, *1*(1), 12–20. https://doi.org/10.71333/7094j190

Tando, E. 2017. Review: Peningkatan Produktivitas Tebu *(Saccarum Officinarum L.)* pada Lahan Kering Melalui Pemanfaatan Bahan Organik dan Bahan Pelembab Tanah Sintesis. *Biotropika - Journal of Tropical Biology*, *5*(3), 90–96. https://doi.org/10.21776/ub.biotropika.2017.005.03.6

Timur, J. 2022. *Determinan Produksi Tebu di Enam Provinsi dengan Produksi Tebu Terbesar di Indonesia Tahun 2017-2022*. *2022*(40), 1065–1074.

Wahyu Trisnawati, D., Susetya Putra, N., & Heru Purwanto, B. 2017. Pengaruh Nitrogen dan Silika terhadap Pertumbuhan dan Perkembangan Spodoptera litura (Lepidoptera: Noctuidae) pada Kedelai. *Planta Tropika: Journal of Agro Science*, *5*(1), 52–61. https://doi.org/10.18196/pt.2017.071.52-61

Wibowo, N. Y. 2018. Kajian Aplikasi Mulsa Seresah Tebu Terhadap Kadar Air Tanah dan Pengaruhnya Pada Pertumbuhan Batang Tebu *(Saccharum officinarum L.). Jurnal Produksi Tanaman*, *1*(1), iii–vii. https://doi.org/10.1016/j.jns.2018.09.022%0Ahttp://dx.doi.org/10.1016/j.ejphar.2009.04.058%0Ahttp://dx.doi.org/10.1016/j.brainres.2015.10.001%0Ahttp://ww

w.pubmedcentral.nih.gov/articlerender.fcgi?artid=2854659&tool=pmcentrez&rendertype=abstract%0A

Widodo, S., Ahmar, A., & Solahudin, M. 2024. Nondestructive Prediction of Brix Value in Sugarcane Based of Portable NIR Spectroscopy. *Jurnal Keteknikan Pertanian*, *12*(3), 424–437. https://doi.org/10.19028/jtep.012.3.424-437

Yang, X., Soothar, R. K., Sahito, L., Shaikh, I. A., Talpur, M. A., Bin, L., & Chandio, F. A. 2025. Effect of Sowing Time Variations and Irrigation Water Levels on Growth, Yield of Wheat, and Water Footprints. *MDPI*, *17*(22), 3213. https://doi.org/10.3390/w17223213

Yuliatun, S., Ilmiah, M., Puspitasari, A. R., & Anggarani, M. A. 2023. Pengaruh Penggunaan Pupuk Silikat (BioSilAc dan SiAbate) Terhadap Pertumbuhan Agrononi, Serapan Silika dan Ketahanan pada Serangan Hama dan Penyakit Tanaman Tebu Varietas PSJK 922. *Indonesian Sugar Research Journal*, *3*(1), 12–24. https://doi.org/10.54256/isrj.v3i1.92

Yusup, C. A., Purwantoro, D., Widiastuti, H., Siswanto, ., Santoso, D., & Priyono, . 2021. Respons tanaman tebu *(Saccharum officinarum L.)* terhadap aplikasi konsorsium biostimulan di tiga tipologi lahan. *E-Journal Menara Perkebunan*, *89*(2), 100–114. https://doi.org/10.22302/iribb.jur.mp.v89i2.457

Zhang, H., Cao, H., Zhao, Z., Dou, Z., Liao, Z., Bai, Z., Li, S., Zhang, F., & Fan, J. 2025. Effects of Irrigation Interval and Irrigation Level on Growth, Photosynthesis, Fruit Yield, Quality, and Water-Nitrogen Use Efficiency of Drip-Fertigated Greenhouse Tomatoes (Solanum lycopersicum L.). *Agronomy*, *15*(5). https://doi.org/10.3390/agronomy15051068