

DAFTAR PUSTAKA

- Anggraeni, N.P., Wardaya, A.Y. dan Muhlisin, Z. (2022) ‘Karakteristik pembangkitan lucutan korona arus dc negatif dengan konfigurasi elektroda dua pisau yang membentuk sudut terhadap bidang pada minyak silikon’, *Berkala Fisika*, 25(1), pp. 1–6. Available at: https://ejournal.undip.ac.id/index.php/berkala_fisika/article/view/46856 (Accessed: 5 June 2025).
- Awika, J.M. (2011) ‘Major cereal grains production and use around the world’, *ACS Symposium Series*, 1089, pp. 1–13. doi:10.1021/bk-2011-1089.ch001.
- Belmont, G., Rezeau, L., Riconda, C. dan Zaslavsky, A. (2019) ‘What Is Plasma?’, dalam *Introduction to Plasma Physics*. Elsevier, pp. 1–32. doi:10.1016/B978-1-78548-306-6.50001-9.
- Braný, D., Dvorská, D., Halašová, E. dan Škovierová, H. (2020) ‘Cold atmospheric plasma: A powerful tool for modern medicine’, *International Journal of Molecular Sciences*, 21(8), p. 2932. doi:10.3390/ijms21082932.
- Chang, J.-S., Lawless, P.A. dan Yamamoto, T. (1991) ‘Corona discharge processes’, *IEEE Transactions on Plasma Science*, 19(6), pp. 1152–1166. doi:10.1109/27.125038.
- Dai, D., Ma, Z. dan Song, R. (2021) ‘Maize kernel development’, *Molecular Breeding*, 41(1), p. 2. doi:10.1007/s11032-020-01195-9.
- D’Angola, A., Colonna, G. dan Kustova, E. (2022) ‘Editorial: Thermal and non-thermal plasmas at atmospheric pressure’, *Frontiers in Physics*, 10, p. 852905. doi:10.3389/fphy.2022.852905.
- Djoyowasito, G., Argo, B.D., Ahmad, A.M. dan Cholidia, D. (2017) ‘Model laju pertumbuhan perkecambahan tanaman jagung (*Zea Mays L.*) pada variasi massa benih jagung’, *Jurnal Keteknik Pertanian Tropis dan Biosistem*, 5(1), pp. 86–95. Available at: <https://jkptb.ub.ac.id/index.php/jkptb/article/view/405> (Accessed: 5 June 2025).
- Fathurohim, R.H., Maharani, D.M. dan Ahmad, A.M. (2017) ‘Model laju pertumbuhan perkecambahan tanaman jagung (*Zea Mays L.*) pada variasi kedalaman tanam’, *Jurnal Keteknik Pertanian Tropis dan Biosistem*, 5(3), pp. 236–244. Available at: <https://jkptb.ub.ac.id/index.php/jkptb/article/view/432> (Accessed: 5 June 2025).

- Fridman, A. (2008) *Plasma Chemistry*. Cambridge: Cambridge University Press. doi:10.1017/CBO9780511546075.
- Grosu, F.P., Bologa, A.M., Bologa, M.K. dan Motorin, O.V. (2015) 'Dependence of corona-discharge characteristics on pressure', *Surface Engineering and Applied Electrochemistry*, 51(5), pp. 456–461. doi:10.3103/S1068375515050051.
- Jumadi, O., Junda, M., Caronge, M.W., Mu'nisa, A. dan Iriany M., R.N. (2021) *Teknologi Budidaya Tanaman Jagung & Sorgum (Sorghum bicolor (L.) Moench)*. Makassar: Jurusan Biologi FMIPA UNM.
- Karmakar, S., Billah, M., Hasan, M., Sohan, S.R., Hossain, M.F., Hoque, K.M.F., Kabir, A.H., Rashid, M.M., Talukder, M.R. dan Reza, M.A. (2021) 'Impact of LFGD (Ar+O₂) plasma on seed surface, germination, plant growth, productivity and nutritional composition of maize (*Zea mays L.*)', *Heliyon*, 7(3), p. e06458. doi:10.1016/j.heliyon.2021.e06458.
- Kim, J.W., Puligundla, P. dan Mok, C. (2017) 'Effect of corona discharge plasma jet on surface-borne microorganisms and sprouting of broccoli seeds', *Journal of the Science of Food and Agriculture*, 97(1), pp. 128–134. doi:10.1002/jsfa.7698.
- Konchekov, E.M., Gusein-zade, N., Burmistrov, D.E., Kolik, L.V., Dorokhov, A.S., Izmailov, A.Y., Shokri, B. dan Gudkov, S.V. (2023) 'Advancements in plasma agriculture: A review of recent studies', *International Journal of Molecular Sciences*, 24(20), p. 15093. doi:10.3390/ijms242015093.
- Kozhevnikov, V.Y., Kozyrev, A.V., Tarasenko, V.F., Kokovin, A.O., Baksht, E.K. dan Vinogradov, N.P. (2023) 'Key modes of ignition and maintenance of corona discharge in air', *Energies*, 16(13), p. 4861. doi:10.3390/en16134861.
- Lamichhane, P., Veerana, M., Lim, J.S., Mumtaz, S., Shrestha, B., Kaushik, N.K., Park, G. dan Choi, E.H. (2021) 'Low-temperature plasma-assisted nitrogen fixation for corn plant growth and development', *International Journal of Molecular Sciences*, 22(10), p. 5360. doi:10.3390/ijms22105360.
- Laroque, D.A., Seó, S.T., Valencia, G.A., Laurindo, J.B. dan Carciofi, B.A.M. (2022) 'Cold plasma in food processing: Design, mechanisms, and application', *Journal of Food Engineering*, 312, p. 110748. doi:10.1016/j.jfoodeng.2021.110748.
- Lin, L., Liang, R., Liu, X., Zhang, D., Wang, M., Zhao, W., Tang, X., Li, B., Shi, G., Chen, W., Guo, J., Robert, E. dan Huang, F. (2024) 'Seed vigor of soybean treated by corona discharge plasma', *Plant Science Today*, 11(1), pp. 266–273. doi:10.14719/pst.2288.

- Melia, F., Aldian, F.M., Pahlevi, M.S.F., Risqullah, R.N.I. dan Oktaffiani, S. (2023) 'Peran pemerintah dalam meningkatkan volume ekspor jagung', *Jurnal Economina*, 2(1), pp. 1305–1320. doi:10.55681/economina.v2i1.287.
- Nindita, A., Ikhsan, L.H. dan Suwanto (2024) 'Pertumbuhan dan produksi tanaman jagung manis (*Zea mays* var. *saccharata* Sturt.) pada berbagai dosis pupuk majemuk NPK+Mg (8-9-39+3)', *Buletin Agrohorti*, 12(2), pp. 236–245. doi:10.29244/agrob.v12i2.56677.
- Nishime, T.M.C., Werner, J., Wannicke, N., Mui, T.S.M., Kostov, K.G., Weltmann, K.D. dan Brust, H. (2022) 'Characterization and optimization of a conical corona reactor for seed treatment of rapeseed', *Applied Sciences*, 12(7), p. 3292. doi:10.3390/app12073292.
- Nucifera, N., Al, M., Kanie, M., Pratiwi, S., Pratiwi, R., Putro, S. dan Nur, M. (2016) 'Corona discharge plasma technology to accelerate the growth of black soybean plants', *Journal of Natural Sciences Research*, 6, pp. 2224–3186. Available at: <https://iiste.org/Journals/index.php/JNSR/article/view/32043> (Accessed: 5 June 2025).
- Nur, M. (2011) *Fisika Plasma dan Aplikasinya*. Semarang: UNDIP Press.
- Randeniya, L.K. dan De Groot, G.J.J.B. (2015) 'Non-thermal plasma treatment of agricultural seeds for stimulation of germination, removal of surface contamination and other benefits: A review', *Plasma Processes and Polymers*, 12(7), pp. 608–623. doi:10.1002/ppap.201500042.
- Recek, N., Zaplotnik, R., Vesel, A., Primc, G., Gselman, P., Mozetič, M. dan Holc, M. (2023) 'Germination and growth of plasma-treated maize seeds planted in fields and exposed to realistic environmental conditions', *International Journal of Molecular Sciences*, 24(7), p. 6868. doi:10.3390/ijms24076868.
- Ruangwong, K., Rongsangchaicharean, T., Thammaniphit, C., Onwimol, D. dan Srisophonphan, S. (2020) 'Atmospheric corona discharge plasma for rice (*Oryza sativa* L.) seed surface modification, fungi decontamination, and shelf life extension', *Plasma Medicine*, 10(3), pp. 191–201. doi:10.1615/PlasmaMed.2021036474.
- Samukawa, S., Hori, M., Rauf, S., Tachibana, K., Bruggeman, P., Kroesen, G., Whitehead, J.C., Murphy, A.B., Gutsol, A.F., Starikovskaia, S., Kortshagen, U., Boeuf, J.P., Sommerer, T.J., Kushner, M.J., Czarnetzki, U. dan Mason, N. (2012) 'The 2012 plasma roadmap', *Journal of Physics D: Applied Physics*, 45(25), p. 253001. doi:10.1088/0022-3727/45/25/253001.

- Sumariyah, S., Rahmi, F., Utami, R.W., Wardaya, A.Y., Firdausi, K.S., Arianto, F., Muhlisin, Z., Pratiwi, S.H., Sugiarto, H. dan Nur, M. (2023) 'The mobility of Nitrogen ions in the atmospheric corona plasma and its possibility to accelerate the growth of mung bean plants', *Journal of Harbin Engineering University*, 44(10). Available at: <https://www.researchgate.net/publication/375087238> (Accessed: 22 December 2024).
- Sumariyah, Zain, A.Z., Rahmawati, A., Muhlisin, Z., Arianto, F., Yulianto, E., Kinandana, A.W., Sugiartono, H. dan Nur, M. (2022) 'Multipoint-plane corona discharge configuration in air analysis and its possibility for accelerating the growth of rice', *International Journal of Innovative Science and Research Technology*, 7(6), pp. 232–236. Available at: <https://ijisrt.com/multipointplane-corona-discharge-configuration-in-air-analysis-and-its-possibility-for-accelerating-the-growth-of-rice> (Accessed: 22 December 2024).
- Xu, Z., Lan, Y., Schroeder, M., Ochoa, A., Breitkopf, C., Thulliez, M., Bastin, O., Nonclercq, A., Keidar, M., Yan, D. dan Lin, L. (2023) 'Introduction to non-thermal plasma physics', dalam Keidar, M. (ed.) *Cold Atmospheric Plasma-based Cancer Therapy*. 2nd edn. IOP Publishing, pp. 1-1-1–10. doi:10.1088/978-0-7503-5537-7ch1.
- Xue, X., Du, S., Jiao, F., Xi, M., Wang, A., Xu, H., Jiao, Q., Zhang, X., Jiang, H., Chen, J. dan Wang, M. (2021) 'The regulatory network behind maize seed germination: Effects of temperature, water, phytohormones, and nutrients', *The Crop Journal*, 9(4), pp. 718–724. doi:10.1016/j.cj.2020.11.005.
- Yan, D., Lin, L., Zvansky, M., Kohanzadeh, L., Taban, S., Chriqui, S. dan Keidar, M. (2022) 'Improving seed germination by cold atmospheric plasma', *Plasma*, 5(1), pp. 98–110. doi:10.3390/plasma5010008.
- Zahoranová, A., Hoppanová, L., Šimončicová, J., Tučeková, Z., Medvecká, V., Hudecová, D., Kaliňáková, B., Kováčik, D. dan Černák, M. (2018) 'Effect of cold atmospheric pressure plasma on maize seeds: Enhancement of seedlings growth and surface microorganisms inactivation', *Plasma Chemistry and Plasma Processing*, 38(5), pp. 969–988. doi:10.1007/s11090-018-9913-3.