

DAFTAR PUSTAKA

- Avivi, S., Mufidah, A. I., Siswoyo, T. A., & Restanto, D. P. 2022. Pengaruh cekaman genangan terhadap pertumbuhan dan hasil beberapa varietas tomat (*Lycopersicum esculentum* Mill.). *Agrovigor: Jurnal Agroekoteknologi*, 15(1), 1–5. <https://doi.org/10.21107/agrovigor.v15i1.8866>
- Aprianto, L. R. dan I. 2017. Pengaruh Curah Hujan dan Hari Hujan Terhadap Produksi Tanaman Tembakau (*Nicotiana tabacum* L.) di Kebun Klumpang PT Perkebunan Nusantara II. 5(2), 415– 421.
- Ayi, Q., Zeng, B., Liu, J., Li, S., van Bodegom, P. M., & Cornelissen, J. H. C. 2016. Oxygen absorption by adventitious roots promotes the survival of completely submerged terrestrial plants. *Annals of Botany*, 118(4), 675–683. <https://doi.org/10.1093/aob/mcw051>
- Adegoye, G. A., Olorunwa, O. J., Alsajri, F. A., Walne, C. H., Wijewardana, C., Kethireddy, S. R., Reddy, K. N., & Reddy, K. R. 2023. Waterlogging effects on soybean physiology and hyperspectral reflectance during the reproductive stage. *Agriculture*, 13(4), 844. <https://doi.org/10.3390/agriculture13040844>
- Al Habib, I. M., Hartatik, S., Ridwani, S., & Avivi, S. 2022. *Recovery of three different varieties of tobacco (Nicotiana tabacum L.) under waterlogging stress*. Australian Journal of Crop Science, 16(7), 974–981. <https://doi.org/10.21475/ajcs.22.16.07.p3645>
- Badan Pemeriksa Keuangan Provinsi Jawa Timur. 2024. *Kabupaten Lamongan*. <https://jatim.bpk.go.id/kabupaten-lamongan/> diakses pada tanggal 18 Desember 2025 pukul 02.22
- Barokah, U., Masyitoh, S., Arifin, N., & Agroteknologi, P. S. 2023. Karakterisasi morfologis tembakau lokal kebun sebagai upaya pelestarian plasma nutfah. 2(01), 12–21.
- Cakir, R., & Cebi, U. 2010. The effect of irrigation scheduling and water stress on the maturity and chemical composition of Virginia tobacco leaf. *Field Crops Research*, 119(2-3), 269-276. <https://doi.org/10.1016/j.fcr.2010.07.017>
- Direktorat Jendral Bea dan Cukai (DJBC). 2025. Penerimaan Bea Cukai Tahun 2024 Tumbuh Positif. <https://www.beacukai.go.id/berita/penerimaan-bea-cukai-tahun-2024-tumbuh-positif.html> diakses pada tanggal 04 Oktober 2025 pukul 17.37

- Dartius., Ardi., B. Lakitan., D. Suryati., Hadiyono., J. Sofyan., A. Aswad., S. Sagiman., W. Hanolo dan Z.R. Djafar. 1991. Analisis pertumbuhan tanaman badan kerja sama perguruan tinggi negeri wilayah Barat. Palembang.
- Dennis, E.S., Dolferus, R., Ellis, M., Rahman, M., Wu, Y. Hoeren, F.U., Grover, A., Ismond, K.P.P., Good, A.G., dan Peacock, W.J. 2000. Molecular Strategies for Improving Waterlogging Tolerance in Plants. *Journal. Exp. Bot.* 51 : 89-97
- [FAO]. 2001. Water relations and water management of tobacco. <https://www.fao.org/land-water/databases-and-software/crop-information/tobacco/en/> diakses pada tanggal 19 Oktober pukul 07.08
- Firdaus, N., Chusnah, M., & Purbowo, P. 2022. Identifikasi morfologi vegetatif dan generatif varietas jambu bol gondang manis dan jambu jamaika di Desa Gondang Manis Kecamatan Bandar Kedungmulyo Jombang. *Agrosaintifika*, 4(2), 266-272.
- Guo, Y., Chen, J., Kuang, L., Wang, N., Zhang, G., Jiang, L., & Wu, D. 2020. Effects of waterlogging stress on early seedling development and transcriptomic responses in *Brassica napus*. *Molecular Breeding*, 40(9), 85. <https://doi.org/10.1007/s11032-020-01167-z>
- Ghulamahdi, M., & Sandra Arifin, A. 2016. Pengaruh waktu penggenangan pada pertumbuhan vegetatif tanaman jagung (*Zea mays* L.). *Buletin Agrohorti*, 20(2), 28–34.
- Huang, C., Zhang, W., Wang, H., Gao, Y., Ma, S., Qin, A., Liu, Z., Zhao, B., Ning, D., Zheng, H., & Liu, Z. 2022. Effects of waterlogging at different stages on growth and ear quality of waxy maize. *Agricultural Water Management*, 266 (December 2021). <https://doi.org/10.1016/j.agwat.2022.107603>
- Hariyono, K. 2022. Toleransi Tanaman Tembakau (*Nicotiana tabacum* L.) terhadap cekaman genangan pada berbagai aplikasi pupuk kalsium. *Indonesian Journal of Agronomy/Jurnal Agronomi Indonesia*, 50(2).
- Hariyadi, B. W., Ali, M., & Nurlina, N. 2017. Damage status assessment of agricultural land as a result of biomass production in Probolinggo Regency East Java. *ADRI International Journal Of Agriculture*, 1(1).
- Herlina, N., Azizah, N., & Pradiga, E. P. 2020. Pengaruh suhu dan curah hujan terhadap produktivitas tembakau (*Nicotiana tabacum* L.) di Kabupaten Malang. *Plantropica: Journal of Agricultural Science*, 5(1), 52-63.
- Insani, N. N., Darmanti, S., & Saptiningsih, E. 2021. Pengaruh durasi penggenangan terhadap pertumbuhan vegetatif dan waktu berbunga cabai

- merah keriting *Capsicum annum* (L.) varietas Jacko. *Buletin Anatomi dan Fisiologi*, 6(2), 104–114. <https://doi.org/10.14710/baf.6.2.2021.104-114>
- Indriana, K. R. 2016. Produksi bersih pada efisiensi dosis pupuk N dan umur panen daun tembakau terhadap kadar nikotin dan gula pada tembakau virginia. *Jurnal Agrotek Indonesia*, 1(2).
- Ihsan, H., Wangiyana, W., & Anugrahwati, D. R. 2024. Pengaruh jumlah pemberian air terhadap pertumbuhan dan hasil tiga varietas sorgum. *Jurnal Ilmiah Mahasiswa Agrokomplek*, 3(2), 60-65.
- Jaiswal, A. and J.P. Srivastava. 2015. Effect of nitric oxide on some morphological and physiological parameters in maize exposed to waterlogging stress. *Afr. J. Agric. Res.* 10(35): 3463-3471. DOI:10.5897/AJAR2015.9790.
- Kusuma, M.N., Yulfiah, 2018. Hubungan porositas dengan sifat fisik tanah pada infiltration gallery. Presented at the Seminar Nasional Sains dan Teknologi Terapan VI, Institut Teknologi Adhi Tama Surabaya.
- Kisman, K., Hemon, F., Sumarjan, S., & Dewi, S. 2021. Penampilan vegetatif tiga genotipe kedelai berbiji besar pada kondisi stres genangan. *Jurnal Sains Teknologi dan Lingkungan*, 309-319.
- Li, Z., Bai, D., Zhong, Y., Abid, M., Qi, X., Hu, C., & Fang, J. 2021. Physiological responses of two contrasting kiwifruit (*Actinidia* spp.) rootstocks against waterlogging stress. *Plants*, 10(12), 2586. <https://doi.org/10.3390/plants10122586>
- Mei, M., Siaga, E., & Lakitan, B. 2023. Perubahan morfofisiologis tanaman terung pada kondisi muka air tanah dangkal dan tergenang di fase generatif. *Jurnal Ilmu Pertanian Indonesia*, 28(2), 235–243. <https://doi.org/10.18343/jipi.28.2.235>
- Mhimdi, M., & Pérez-Pérez, J. M. 2020. Understanding of adventitious root formation: what can we learn from comparative genetics? *Frontiers in Plant Science, Volume 11*.
- Morishita, T., Hara, T., & Hara, T. 2020. Important agronomic characteristics of yielding ability in common buckwheat; ecotype and ecological differentiation, preharvest sprouting resistance, shattering resistance, and lodging resistance. *Breeding Science*, 70(1), 39–47. <https://doi.org/10.1270/jsbbs.19020>
- Muliana, G. H., Musawira, M., Khalidatunnisa, B., & Sa'diyah, J. 2025. *Nicotiana Tabacum* L sebagai sumber belajar morfologi tumbuhan dan anatomi tumbuhan: *Jurnal Inovasi Pendidikan Matematika dan IPA*, 5(2), 501-512.

- Nurhidayati, T., Safitri, W. Y., Purnobasuki, H., & Hariyanto, S. 2021. *Response of tobacco (Nicotiana tabacum L.) under waterlogging stress based on agronomic characters*. AIP Conference Proceedings, 2349(1), 020019. <https://doi.org/10.1063/5.0051852>
- Nurhidayati, T., Chanifah, H., Purnobasuki, H., Hariyanto, S., & Jadid, N. 2017. Growth responses of tobacco (*Nicotiana tabacum* L.) varieties to water logging stress. *Bioscience Research*, 14(3), 574-581.
- Nurhidayati, T., Purnobasuki, H., & Hariyanto, S. 2019. Tanaman tembakau pada cekaman genangan. *Deepublish*.
- Nita, I., Nopriani, L. S., Andriyanto, C., & Nugroho, P. A. 2025. Pengaruh intensitas pengairan dan dosis pupuk majemuk terhadap pertumbuhan, Produksi dan Mutu Tembakau Madura di Kabupaten Tuban. *Jurnal Tanah dan Sumberdaya Lahan*, 12(2), 407-416.
- Permana, A., Khaira Ramdhanni, D., & Firmansyah, R. 2023. Analisis dampak kenaikan ekspor tembakau Indonesia terhadap beacukai negara. *Jurnal Penelitian Multidisiplin Ilmu*, 2(1), 1177–1184.
- Poehlman, J.M. & D.A. Sleper. 1996. *Breeding Field Crops* (Ed 4). Iowa State University Press, Iowa.
- Ploschuk, R. A., Miralles, D. J., Colmer, T. D., & Striker, G. G. 2020. Waterlogging differentially affects yield and its components in wheat, barley, rapeseed and field pea depending on the timing of occurrence. *Journal of Agronomy and Crop Science*, 206(3), 363-375.
- Pamungkas, C. Y., Suryanti, S., & Purwanti, S. 2025. Pengaruh cekaman genangan air terhadap pertumbuhan dan hasil tanaman jagung (*Zea mays* L.): Effect of Waterlogging on the Growth and Yield of Maize Plants (*Zea mays* L.). *Biofarm: Jurnal Ilmiah Pertanian*, 21(1), 113-119.
- Rakhman, R. Y. 2016. Respon cekaman genangan periodik pada beberapa varietas *Nicotiana tabacum*. *Skripsi – Sb141510 Jurusan Biologi Fakultas Matematika dan Ilmu Pengetahuan Alam, Institut Teknologi Sepuluh Nopember Surabaya*.
- Rochman, F., & Heliyanto, B. 2024. Yield and quality of several Banyuwangi sliced-tobacco lines for sustainable kretek cigarette production. *IOP Conference Series: Earth and Environmental Science*, 1413(1). <https://doi.org/10.1088/1755-1315/1413/1/012023>
- Sasidharan, R., Bailey-Serres, J., Ashikari, M., Atwell, B. J., Colmer, T. D., Fagerstedt, K., Fukao, T., Geigenberger, P., Hebelstrup, K. H., Hill, R. D., Holdsworth, M. J., Ismail, A. M., Licausi, F., Mustroph, A., Nakazono, M.,

- Pedersen, O., Perata, P., Sauter, M., Shih, M. C., Voisenek, L. A. C. J. 2017. Community recommendations on terminology and procedures used in flooding and low oxygen stress research. *New Phytologist*, 214(4), 1403–1407. <https://doi.org/10.1111/nph.14519>
- Sasidharan, R., Hartman, S., Liu, Z., Martopawiro, S., Sajeev, N., van Veen, H., Yeung, E., & Voisenek, L. A. C. J. 2018. Signal dynamics and interactions during flooding stress. *Plant Physiology*, 176(2), 1106–1117. <https://doi.org/10.1104/pp.17.01232>
- Sayekti, S. W. L., Setiari, N., Darmanti, S., & Saptiningsih, E. 2022. Pengaruh durasi penggenangan selama fase vegetatif akhir terhadap pertumbuhan tanaman cabai (*Capsicum frutescens* L) varietas Sonar. *Buletin Anatomi Dan Fisiologi*, 8(1), 10–19. <https://doi.org/10.14710/baf.8.1.2023.10-19>
- Scott, H.D., Angulo, J.D., Daniels, M.B., dan Wood, L.S. 1989. Flood duration effect on soybean growth and yield. *Journal of Agronomy*, 81: 631-636
- Sjamsir, Z., & Suhartina, R. 2023. Model solusi inovatif pembiayaan spesifik perbankan pada agribisnis komoditi padi di Sulawesi Selatan Innovative Solution model for banking specific financing in rice commodity agribusiness in south Sulawesi. *Jurnal Galung Tropika*. 12 (2), 17–24.
- Sudianto, E. R. 2023. *Tembakau Virginia di Nusa Tenggara Barat*. Penerbit PT Nasya Expanding Management.
- Setyoningrum, F. I., & Harlianingtyas, I. 2021. Pengaruh curah hujan dan hari hujan terhadap produksi tembakau Na-Oogst di Kabupaten Jember. In *Agropross: National Conference Proceedings of Agriculture* (p. 25).
- Striker, G.G. & Mworja, J. 2012. *Botany -Flooding Stress on Plants : Anatomical, morphological and physiological responses*, Argentina : Ifeva-Conicet, Faculty of Agronomy, University of Buenos Aires.
- Tamala, U., Al Habib, I. M., & Zuhro, F. 2019. Efek persentase genangan air terhadap waktu pada hipoksia beberapa aksesori tembakau (*Nicotiana Tabacum* L.) Effect Of Waterlogging Percentage To Time Of Hypoxia Some Tobacco Accessions (*Nicotiana Tabacum* L). *Jurnal Biologi & Konservasi*, 1(2), 73–81.
- Tan X, & Zwiazek, J.J. 2019 Stable expression of aquaporins and hypoxia-responsive genes in adventitious roots are linked to maintaining hydraulic conductance in tobacco (*Nicotiana tabacum*) exposed to root hypoxia. *PLoS ONE* 14(2): e0212059. <https://doi.org/10.1371/journal.pone.0212059>

- Tian, L., Li, J., Bi, W., Zuo, S., Li, L., Li, W., & Sun, L. 2019. Effects of waterlogging stress at different growth stages on the photosynthetic characteristics and grain yield of spring maize (*Zea mays* L.) Under field conditions. *Agricultural Water Management*, 218(May 2018), 250–258. <https://doi.org/10.1016/j.agwat.2019.03.054>
- Wang, X., Huang, M., Zhou, Q., Cai, J., Dai, T., Cao, W., & Jiang, D. 2016. Physiological and proteomic mechanisms of waterlogging priming improves tolerance to waterlogging stress in wheat (*Triticum aestivum* L.). *Environmental and Experimental Botany*, 132, 175–182. <https://doi.org/https://doi.org/10.1016/j.envexpbot.2016.09.003>
- Wang, X, Z Deng, W Zhang, Z Meng, X Chang, & M Lv. 2017. Effect of waterlogging duration at different growth stages on the growth, yield and quality of cotton. *PLoS ONE*. 12(1):e0169029. <https://doi.org/10.1371/journal.pone.0169029>
- Weiham, R. A., Sari, P. M., Jalil, M., & Putra, I. 2024. Diferensiasi pertumbuhan vegetatif dari dua varietas bibit tanaman cabai (*Capsicum annum* L.) di Kabupaten Aceh Barat. *AGRIUM: Jurnal Ilmu Pertanian*, 27(2), 143-153.
- Wibisono, V. B., Avivi, S., Ubaidillah, M., & Hartatik, S. 2022. Karakteristik morfologi, fisiologi dan molekuler tanaman tebu toleran terhadap cekaman genangan. *Indonesian Journal of Agronomy/Jurnal Agronomi Indonesia*, 50(2).
- Wahyudi, M. E., Afivah, L. L., Rahmadai, N. F., Sari, D. R. M., Iswardani, F. A., Sudarti, S. A., & Mahmudi, K. A. 2024. Analisis pengaruh cuaca terhadap kualitas berbagai tiga tembakau. *Jurnal Ilmiah Wahana Pendidikan*, 10(11), 448-453.
- Yaqub, M. (2019). TA: Rancang bangun alat pengovenan tembakau otomatis berbasis medote flue curing (Doctoral dissertation, Institut Bisnis dan Informatika Stikom Surabaya).
- Zeng, R., Chen, L., Wang, X., Cao, J., Li, X., Xu, X., Xia, Q., Chen, T., & Zhang, L. 2020. Effect of waterlogging stress on dry matter accumulation, photosynthesis characteristics, yield, and yield components in three different ecotypes of peanut (*Arachis hypogaea* L.). *Agronomy*, 10(9), 1–15. <https://doi.org/10.3390/agronomy10091244>
- Zhu, M., Wang, J., Li, F. H., & Shi, Z. S. 2015. Physiological and photosynthesis response of popcorn inbred seedlings to waterlogging stress. *Pakistan Journal of Botany*, 47(6), 2069–2075