

## DAFTAR PUSTAKA

- Aleza, P., Juárez, J., Ollitrault, P., & Navarro, L. (2009). Production of Tetraploid Plants of Non Apomictic Citrus Genotypes. *Plant Cell Reports*, 28(12), 1837–1846. <https://doi.org/10.1007/s00299-009-0783-2>
- Alisha, T. S., Saptadi, D., & Damanhuri, D. (2024). Evaluation of Morphological and Cytological Variations in Colchicine-Induced M1 and M2 Generations of Bambara Groundnut (*Vigna subterranea* L.). *Agrikultura*, 35(2), 284–297. <https://doi.org/10.24198/agrikultura.v35i2.53951>
- Allard, R. W. (1999). *Principles of Plant Breeding*. 2nd Edition. John Wiley & Sons. 264 hal.
- As'adah, M., Rahayu, T., & Hayati, A. (2016). Metode Pemberian Kolkisin Terhadap Respon Morfologis Tanaman Zaitun (*Olea europeae* L.). *Biosaintropis (Bioscience-Tropic)*, 2(1), 46–52. <http://biosaintropis.unisma.ac.id/index.php/biosaintropis/article/view/68/33>
- Aswari, D. D. K. (2022). *Pengaruh Konsentrasi Senyawa Kolkisin Terhadap Pembentukan Semangka Tetraploid*. [Skripsi]. Universitas Andalas. Fakultas Pertanian. Padang.
- Badan Penelitian dan Pengembangan Pertanian. (2023). *Serif Saga Agrihorti: Merah dan Manis*. <http://www.litbang.pertanian.go.id/>. [Diakses pada 26 Mei 2024].
- Brewbaker, J. L. (1983). *Genetika Pertanian*. Edisi ke-1. Jakarta: Gede Jaya. 142 hal.
- Crowder, L.V. (1997). *Genetika Tumbuhan* (Penerjemah Kusdiarti, L). Yogyakarta: Gajah Mada University Press. 499 hal.
- Darotulmutmainnah, A. (2020). Pengaruh Pemberian Pupuk Organik Terhadap Pertumbuhan Tanaman Padi (*Oryza sativa* L.) Varietas Ciherang dengan Metode Sri. *Herbapharma: Journal of Herbs and Farmacological*, 2(2), 77–85.
- Daryono, B. S., & Rahmadani, W. D. (2009). Karakter Fenotipe Tanaman Krisan (*Dendranthema grandiflorum*) Kultivar Big Yellow Hasil Perlakuan Kolkisin. *Agroekoteknologi Tropika*, 14(1), 15–18.
- Dibyendu, T. (2010). Cytogenetic Characterization of Induced Autotetraploids in Grass pea (*Lathyrus sativus* l.). *Caryologia*, 63(1), 62–72. <https://doi.org/10.1080/00087114.2010.10589709>

- Eigsti, O. J., & Pierre Dustin Jr. (1957). *Colchicine In Agriculture, Medicine, Biology, and Chemistry*. Ames, Iowa, U.S.A: The Iowa State Collage Press. 484 hal.
- El-Wanis, A., Mohamed, M. A., El-Zeiny, O. A., & Arafah, A. E. (2012). Tetraploid Watermelon Production. *Egyptian Journal of Agricultural Research*, 90(1), 305–321. <https://doi.org/10.21608/ejar.2012.159756>
- Eng, W. H., & Ho, W. S. (2019). Polyploidization Using Colchicine in Horticultural Plants: A review. *Scientia Horticulturae*, 246(October 2018), 604–617. <https://doi.org/10.1016/j.scienta.2018.11.010>
- Fetouh, M. I., Deng, Z., Wilson, S. B., Adams, C. R., & Knox, G. W. (2020). Induction and characterization of tetraploids in Chinese Privet (*Ligustrum sinense* Lour.). *Scientia Horticulturae*, 271, 1–7. <https://doi.org/10.1016/j.scienta.2020.109482>
- Gordon, A. (2007). *How to Grow Watermelon*. [www.geocities.com/green\\_cacle/watermelon.html](http://www.geocities.com/green_cacle/watermelon.html). [Diakses pada 10 November 2023].
- Gultom, T. (2016). Pengaruh Pemberian Kolkisin Terhadap Jumlah Kromosom Bawang Putih (*Allium sativum*) Lokal Kultivar Doulu. *Jurnal Biosains*, 2(3), 165–172. <https://doi.org/10.24114/jbio.v2i3.4959>
- Haouala, R., Ouerghemmi, S., Tarchoune, A., & Boughanmi, N. (2009). Improvement of *Trigonella maritima* Delile x. Poir. Germination by Polyploidization. *Pakistan Journal of Botany*, 41(6), 3001–3008.
- Hassan, J., Miyajima, I., Ozaki, Y., Mizunoe, Y., Sakai, K., & Zaland, W. (2020). Tetraploid Induction by Colchicine Treatment and Crossing with a Diploid Reveals Less-Seeded Fruit Production in Pointed Gourd. *Plants*, 9(370), 1–16.
- Hetharie, H. (2003). *Perbaikan Sifat Tanaman Melalui Pemuliaan Poliploidi*. [Makalah]. Institut Pertanian Bogor. Program Pascasarjana S3. Bogor.
- Hoshino, Y., Miyashita, T., & Thomas, T. D. (2011). In Vitro Culture of Endosperm and Its Application in Plant Breeding: Approaches to Polyploidy Breeding. *Scientia Horticulturae*, 130(1), 1–8. <https://doi.org/10.1016/j.scienta.2011.06.041>
- Islam, M. M., Deepo, D. M., Nasif, S. O., Siddique, A. B., Hassan, O., Siddique, A. B., & Paul, N. C. (2022). Cytogenetics and Consequences of Polyploidization on Different Biotic-Abiotic Stress Tolerance and the Potential Mechanisms Involved. *Plants*, 11(20), 1–23. <https://doi.org/10.3390/plants11202684>

- Jaskani, M. J., Kwon, S. W., & Kin, D. H. (2005). Flow Cytometry of DNA Contents of Colchicine Treated Watermelon as A Ploidy Screening Method at M1 Stage. *Pakistan Journal of Botany*, 37(3), 685–696.
- Kalie, M. (2006). *Bertanam Semangka*. Jakarta: Penebar Swadaya. 75 hal.
- Kaur, B., Singh, R., & Singh, D. (2018). Screening of Tetraploidy Induction Methods Using Anti-microtubule Agent Colchicine in Watermelon (*Citrullus lanatus* (Thunb.) Matsum & Nakai). *Vegetable Science*, 45(2), 166–172. <https://isvsvegsci.in/index.php/vegetable/article/view/208>
- Khan, M. N. E. A., Hassan, J., Biswas, M. S., Khan, H. I., Sultana, H., Suborna, M. N., Rajib, M. M. R., Akter, J., Gomasta, J., & Anik, A. A. M. (2023). Morphological and Anatomical Characterization of Colchicine-Induced Polyploids in Watermelon. *Horticulture Environment and Biotechnology*, 64(3), 461–474. <https://doi.org/10.1007/s13580-022-00488-6>
- Liu, R., Gao, C., Jin, J., Wang, Y., Jia, X., Ma, H., Zhang, Y., Zhang, H., Qi, B., & Xu, J. (2022). Induction and Identification of Tetraploids of Pear Plants (*Pyrus bretschneideri* and *Pyrus betulaefolia*). *Scientia Horticulturae*, 304(1), 1–7. <https://doi.org/10.1016/j.scienta.2022.111322>
- Lv, H., Zhou, Y., Tian, H., Fei, Z., Li, D., & Zhong, C. (2024). New Insights into Colchicine-mediated Tetraploidy in *Actinidia chinensis* ‘Donghong.’ *Horticulture Journal*, 93(3), 273–281. <https://doi.org/10.2503/hortj.QH-136>
- Miguel, T. P., & Leonhardt, K. W. (2011). In Vitro Polyploid Induction of Orchids Using Oryzalin. *Scientia Horticulturae*, 130(1), 314–319. <https://doi.org/10.1016/j.scienta.2011.07.002>
- Nasir, M. (2002). *Bioteknologi Molekuler, Teknik Rekayasa Genetik Tanaman*. P.T. Citra Aditya Bakti. Bandung.
- Pertanian, M. (2015). Deskripsi Semangka Varietas Serif Saga Agrihorti. *Lampiran Surat Keputusan Menteri Pertanian Republik Indonesia*. 126/Kpts/SR/D.2.7/9/.
- Pradana, D. A., & Hartatik, S. (2019). Pengaruh Kolkisin terhadap Karakter Morfologi Tanaman Terung (*Solanum melongena* L.). *Berkala Ilmiah Pertanian*, 2(4), 155. <https://doi.org/10.19184/bip.v2i4.16314>
- Prahasta, A. (2009). *Agribisnis Semangka*. Bandung: CV Pustaka Grafika. 176 hal.
- Prajnanta, F. (1996). *Agribisnis Semangka Non-Biji*. Edisi ke-1. Yogyakarta: Penebar Swadaya. 183 hal.
- Prajnanta, F. (1999). *Kiat Sukses Bertanam Semangka Berbiji*. Jakarta: Penebar Swadaya. 70 hal.

- Priadi, D., Emilia, S., & Halimi, E. (2005). Pengaruh Waktu Perendaman Benih dalam Larutan Colchicine Terhadap Poliploidi, Pertumbuhan, dan Hasil Semangka (*Citrullus vulgaris* Schard). *Tanaman Tropika*, 8(1), 17-21.
- Puspitasari, N., Makhziah, & Pribadi, D. U. (2023). Pengaruh Konsentrasi dan Lama Perendaman Kolkisin terhadap Karakter Morfologi dan Agronomi Semangka (*Citrullus lanatus*). *Agro Bali : Agricultural Journal*, 6(3), 731–739.
- Rahayu, I. S. (2022). *Induksi Poliploidi Dengan Senyawa Kolkisin Pada Tanaman Semangka (Citrullus lanatus)*. [Skripsi]. Universitas Andalas. Fakultas Pertanian. Padang.
- Samadi, B. (2007). *Budidaya Semangka Tanpa Biji*. Yogyakarta: Kanisius. 104 hal.
- Sartika, T. V., & Basuki, N. (2017). Pengaruh Konsentrasi Kolkisin Terhadap Perakitan Putative Mutan Semangka (*Citrullus lanatus*). *Jurnal Produksi Tanaman*, 5(10), 1669–1677.
- Sheikh, S., Noh, J., Seong, M. H., Jung, G. T., Kim, J. M., Ju, H. jong, & Huh, Y. C. (2013). Phenotypic Markers for Tetraploid Watermelon [*Citrullus lanatus* (Thunb.) Matsum. et Nakai] Following Parental Exposure to Colchicine in T0 Generation. *Horticulture Environment and Biotechnology*, 54(6), 524–530. <https://doi.org/10.1007/s13580-013-0072-4>
- Sinta, M. M., Wiendi, N. M. A., & Aisyah, S. I. (2018). Induksi Mutasi *Stevia rebaudiana* dengan Perendaman Kolkisin Secara In Vitro. *E-Journal Menara Perkebunan*, 86(1), 1–10.
- Sukanto, L. (2011). Buah Tanpa Biji; Apa, Mengapa dan Bagaimana. *Berita Biologi*, 10(4): 549-555.
- Sunarto, B. (2006). *Pengaruh Kombinasi Pupuk Bokashi dan Pupuk Urea Terhadap Pertumbuhan dan Hasil Tanaman Semangka*. [Skripsi]. Universitas Bengkulu. Fakultas Pertanian. Bengkulu.
- Suryo. (2007). *Sitogenetika*. Edisi ke-2. Yogyakarta: Gadjah Mada University Press. 446 hal.
- Syukur, M. (2002). *Multiplikasi Menggunakan Stek Buku dan Penggandaan Kromosom Beberapa Genotipe Padi F1 Interspesifik*. [Tesis]. Institut Pertanian Bogor. Program Pascasarjana. Bogor.
- Vichiato, M. R. D. M., Vichiato, M., Pasqual, M., Rodrigues, F. A., & De Castro, D. M. (2014). Morphological effects of induced polyploidy in *Dendrobium nobile* Lindl. (Orchidaceae). *Crop Breeding and Applied Biotechnology*, 14(3), 154–159. <https://doi.org/10.1590/1984-70332014v14n3a23>

- Wahyudi, A., Ratna, D., Program, D., Perbenihan, T., Budidaya, J., Pangan, T., & Lampung, P. N. (2016). Upaya Perbaikan Kualitas dan Produksi Buah Menggunakan Teknologi Budidaya Sistem “ToPAS” Pada 12 Varietas Semangka Hibrida. *Jurnal Penelitian Pertanian Terapan*, 17(1), 17–25. <http://www.jptonline.or.id>
- Warmadewi, D. (2017). *Buku Ajar: Mutasi Genetik*. Denpasar: Universitas Udayana.
- Yadav, A. K., Singh, S., Yadav, S. C., Dhyani, D., Bhardwaj, G., Sharma, A., & Singh, B. (2013). Induction and Morpho-chemical Characterization of *Stevia rebaudiana* Colchiploids. *Indian Journal of Agricultural Sciences*, 83(2), 159–165.
- Zhang, N., Bao, Y., Xie, Z., Huang, X., Sun, Y., Feng, G., Zeng, H., Ren, J., Li, Y., Xiong, J., Chen, W., Yan, C., & Tang, M. (2019). Efficient Characterization of Tetraploid Watermelon. *Plants*, 8(10), 1–10. <https://doi.org/10.3390/plants8100419>
- Zhang, W., Hao, H., Ma, L., Zhao, C., & Yu, X. (2010). Tetraploid Muskmelon Alters Morphological Characteristics and Improves Fruit Quality. *Scientia Horticulturae*, 125(3), 396–400. <https://doi.org/10.1016/j.scienta.2010.04.038>

