

DAFTAR PUSTAKA

- Aristya, G.R., Daryono, B.S., Handayani, N.S.N., dan Arisuryanti, T. 2015. *Karakterisasi Kromosom Tumbuhan Dan Hewan*. 1st ed. Yogyakarta: Gadjah Mada University Press.
- Bourge, M., Brown, S.C., dan Siljak-yakovlev, S. 2018. Flow Cytometry as Tool in Plant Sciences , with Emphasis on Genome Size and Ploidy Level Assessment. *Geneticals Application* 2 (2): 1–12.
- BPS. 2018. *Statistik Tanaman Sayuran Dan Buah-Buahan Semusim 2017*. Jakarta: Badan Pusat Statistik Indonesia.
- Cohen, H., Fait, A., Tel-Zur, N. 2013. Morphological, Cytological and Metabolic Consequences of Autopolyploidization in *Hylocereus* (Cactaceae) Species. *BMC Plant Biology* 13 (1)
- Daryono, B.S. 1998. “Pengaruh Kolkisin Terhadap Pembentukan Sel-Sel Melon Tetraploid.” *Buletin Agro Industri* 5: 2–11.
- Gaikwad, K.J., Jambhale, N.D. dan Bhawe, S.G. 2009. “Induction of Polyploidy in Watermelon (*Citrullus Lanatus* (Thunb.) Matsum and Nakai.)” *Agricultural and Biological Research* 25 (2): 110–18.
- Hanini, H. 2018. “Karakterisasi Fenotip Dan Ploidi Semangka (*Citrullus Lanatus* (Thunberg.) Matsum & Nakai) Hibrida Oranye Tetraploid Hasil Induksi Kolkhisin.” *Skripsi*. Universitas Gadjah Mada.
- Hessen, D.O., Jeyasingh, P.D., Neiman, M., Weider, L.J. 2010. Genome Streamlining and the Elemental Costs of Growth. *Trends in Ecology and Evolution* 25 (2): 75–80.
- ITIS. 2000. *Citrullus lanatus* (Thunb.) Matsum. & Nakai. Taxonomic Serial No.: 22356. https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=22356#null. (diakses pada : 7 Agustus 2020).
- Jaskani, M.J., Whan Kwon, S., Hussain, Z. , dan Ahmad Khan, I. 2007. “Breeding Polyploid Watermelon: Induction , Identification and Seed Germination of Tetraploids.” *Proceeding Prospects of Horticultural Industry*, 274–82.
- Jedrzejczyk, I., dan Sliwinska, E. 2010. Leaves and Seeds as Materials for Flow Cytometric Estimation of the Genome Size of 11 Rosaceae Woody Species Containing DNA-Staining Inhibitors. *Journal of Botany* 2010: 1–9.
- Kalie, M.B. 2008. *Bertanam Semangka*. Jakarta: Penebar Swadaya.
- Kementan. 2019. Tanda Daftar Varietas Tanaman : Citra Jingga. No : 704/PVHP/2019, issued 2019.
- Kokate, C., Jalalpure, S.S., dan Hurakadle, P.J. 2011. *Textbook of Pharmaceutical Biotechnology*. India: Elsevier Ltd.
- Kondorosi, E, Roudier, F., Gendreau, E. 2000. Plant Cell-Size Control: Growing by Ploidy? *Current Opinion in Plant Biology* 3 (6): 488–92.
- Kusnuriyanti, E., Fatikasari, S., Fitriyanti, I., dan Shofi, M. 2017. Karakter Fenotip Tanaman Kedelai (*Glycine Max* (L.) Merr) Hasil Mutasi Genetik Dengan Ekstrak Etanolik Daun Tapak Dara (*Catharanthus Roseus* (L.) D. Don). *Jurnal Wiyata Penelitian Sains Dan Kesehatan* 4 (2): 121–27.
- Listiawan, D.A., Indraningsih, E., Septantri, A.N., Wibowo, A.T., Darajat, U.W.J., dan Daryono, B.S. 2009. Potensi Ekstrak Etanolik Daun Tapak Dara (*Catharanthus Roseus* (L.) D. Don) Sebagai Alternatif Pengganti Kolkhisin Poliploidisasi Tanaman. *Jurnal*

- Biologi Indonesia* 5 (4): 423–30.
- Macey, M.G. 2007. Principles of Flow Cytometry. In *Flow Cytometri: Principles and Application*, 1st ed.,. New Jersey: Humana Press. Pp : 1–15
- Manzoor, A., Ahmad, T., Bashir, M.A., Hafiz, I.A., dan Silvestri, C. 2019. “Studies on Colchicine Induced Chromosome Doubling for Enhancement of Quality Traits in Ornamental Plants.” *Plants* 8 (7): 1–16.
- Menezes-Sá, T.S.A., Alves, T.S., Arrigoni-Blank, M.F., da Costa, A.S., Santos-Serejo, J.D.A., Blank, A.F., Soares, C.A., dan Moura, G.M.S. 2019. Chromosome Doubling in *Cattleya Tigrina* A. Rich. *Scientia Plena* 15 (11): 1–10.
- Meru, M. dan Mugambi, G. 2014. Classification of Polyploids. In *Plantbreeding in the 21st Century*,. Georgia: University of Georgia. Pp : 1–15
- Mo, L., Chen, J., Lou, X., Xu, Q., Dong, R., Tong, Z., Huang, H., dan Lin, E. 2020. Colchicine-Induced Polyploidy in *Rhododendron Fortunei* Lindl. *Plants* 9 (4).
- Muarifin, A., dan Daryono, B.S. 2015. Karakterisasi Fenotip Dan Ploidi Kacang Tanah (*Arachis Hypogaea* L. 'Talam') Hasil Induksi Biocatharantine. *Skripsi*. Universitas Gadjah Mada.
- Nofitahesti, I., dan Daryono, B.S. 2016. Karakter Fenotip Kedelai (*Glycine Max* (L.) Merr.) Hasil Poliploidisasi Dengan Kolkisin. *Scientiae Educatia: Jurnal Sains Dan Pendidikan Sains* 5 (2): 90–98.
- Daryono, B.S., Nofriarno, N., Saputri, A.P., dan Indraningsih, E. 2018. Analisis Fenotipe Dan Ploidi Tanaman Melon (*Cucumis Melo* L.) Hasil Perlakuan Ekstrak Etanolik Daun Tapak Dara (*Catharanthus Roseus* [L] G. Don.). *Jurnal Biota* 4 (2): 62–67.
- Nuraida, D. 2001. Pemuliaan Tanaman Cepat Dan Tepat Melalui Pendekatan Marka Molekuler. *El-Hayah* 2 (2): 97–103.
- Ochatt, S.J. 2006. Flow Cytometry (Ploidy Determination, Cell Cycle Analysis, DNA Content per Nucleus). In *Medicago Truncatula Handbook*,. France: Noble Research Institute. Pp. 1–15
- Ormerod, M.G. 2000. *Flow Cytometry*. Third Edit. New York: Oxford University Press Inc.
- Pasqual, M., Pio, A.S., Catarina, A. dan Doria, J. 2012. Flow Cytometry Applied in Tissue Culture. In *Recent Advances in Plant in Vitro Culture*, edited by Annarita Leva, 109–22. United Kingdom: Intech.
- Greysillia P,C. 2017. Perakitan Semangka Hibrida (*Citrullus Lanatus* (Thunb.) Matsum. & Nakai) Hasil Persilangan ♀'Maduri' Dengan ♂'Puteri Delima'. Yogyakarta.
- Ram, M. 2014. *Plant Breeding Methods*. New Delhi: PHI Learning.
- Reetu, R dan Tomar, M. 2017. “Watermelon : A Valuable Horticultural Crop with Nutritional Benefits.” *Popular Kheti* 5 (2): 5–9.
- Rosmaiti, R., dan Dani, J. 2015. Pengaruh Konsentrasi Dan Lama Perendaman Kolkisin Pada Benih Semangka (*Citrullus Lanatus* (Thunb.) Matsum. Et Nankai) Terhadap Keragaan Tanaman. *Agrosamudra, Jurnal Penelitian* 2 (2): 61–70.
- Rukmana, R. 2006. *Budidaya Semangka Hibrida*. Yogyakarta: Kanisius.
- Samadi, B. 2007. *Semangka Tanpa Biji*. Revisi. Yogyakarta: Kanisius.
- Sastradihardja, S. 2006. *Kiat Sukses Menanam Semangka Tanpa Biji*. 1st ed. Jakarta: Dharma Utama Publishing.
- Singh, R.J. 2017. *Plant Cytogenetics*. Third Edit. New York: CRC Press.
- Sliwinska, E., Zielinska, E., dan Jedrzejczyk, I. 2005. Are Seeds Suitable for Flow Cytometric Estimation of Plant Genome Size? *Cytometry Part A* 64 (2): 72–79.
- Sobir, S., dan Siregar, F. 2010. *Budidaya Semangka : Panen Dalam 60 Hari*. Bogor: Penebar Swadaya.
- Sumarji, S., dan Suparno, S. 2017. “The Effectiveness of Colchisin Giving on Watermelon

- Ploidization (*Citrullus Vulgaris* Schard). *International Journal of Applied Environmental Sciences* 12 (11): 1951–67.
- Sumarno, N.F.N., dan Zuraida, N. 2016. Pengelolaan Plasma Nutfah Tanaman Terintegrasi Dengan Program Pemuliaan. *Buletin Plasma Nutfah* 14 (2): 57.
- Sunyoto, D.S. dan Budiarti, T. 2006. *Petunjuk Teknis Budidaya Semangka*. 1st ed. Vol. 1. Solok: Balai Penelitian Tanaman Buah Tropika.
- Tammu, R.M., Nuringtyas, T.R., Daryono, B.S. 2021. Colchicine Effects on the Ploidy Level and Morphological Characters of Katokkon Pepper (*Capsicum Annuum* L.) from North Toraja, Indonesia.” *Journal of Genetic Engineering and Biotechnology* 19 (1).
- USDA, NRCS. 2020. *Catharanthus roseus* (L.) G. Don Madagascar periwinkle. <https://plants.usda.gov/core/profile?symbol=CARO14>. (diakses pada 7 Agustus 2020).
- USDA, NRCS. 2020. *Colchicum autumnale* L. autumn crocus. <https://plants.usda.gov/core/profile?symbol=COAU4>. (diakses pada 7 Agustus 2020).
- Welbaum, G.E. 2015. *Vegetable Productions and Practices*. 1st ed. UK: CABI.
- Wihardjo, S. 1993. *Bertanam Semangka*. Yogyakarta: Kanisius.
- Wu, J.H, Ferguson, A.R., Murray, B.G., Jia, Y., Datson, P., Zhang, J. 2012. Induced Polyploidy Dramatically Increases the Size and Alters the Shape of Fruit in *Actinidia Chinensis*. *Annals of Botany* 109 (1):
- Zhang, N, Yaning, B., Xie, Z., Huang, X., Sun, Y., Feng, G., Zeng, H. 2019. Efficient Characterization of Tetraploid Watermelon. *Plants* 8 (10): 1–10.
- Zohary, D., Hopf, M., dan Weiss, E. 2012. *Domestication of Plants in the Old World*. Fourth. New York: Oxford University Press Inc.