

DAFTAR PUSTAKA

- Ahmed Khan, S., Ullah Khan, N., Mohammad, F., Ahmad, M., Ahmed Khan, I., Bibi, Z., & Khan, I. U. (2011). Combining Ability Analysis in Intraspecific F1 Diallel Cross of Upland Cotton. *Pak. J. Bot*, 43(3), 1719–1723.
- Akhmad Armandoni, E., Lestari Purnamaningsih, S., & Rifianto, A. (2022). Pendugaan Nilai Heterosis Tujuh Hibrida Jagung Manis (*Zea mays* L. var. Saccharata Strut). *PLANTROPICA: Journal of Agricultural Science*, 7(2), 10–17. <https://doi.org/10.21776/ub.jpt.2022.007.2.2>
- Al-Mamun, M., Mohd., R. Y., Azizah, M., Zulkarami, B., Zaiton, A., Hasan, K. M. M., & Yusuff, O. (2021). Combining Ability and Gene Action for Yield Improvement in Kenaf (*Hibiscus Cannabinus* L.) Under Tropical Conditions Through Diallel Mating Design. *Research Square*. <https://doi.org/10.21203/rs.3.rs-1107040/v1>
- Amato, L. D., Martin, E. A., & Lopez-Anido, F. S. (2022). Combining Ability and Heterosis for Market Yield in Green Asparagus. *Horticulturae*, 8(6). <https://doi.org/10.3390/horticulturae8060489>
- Argo Subekti, N., Efendi, R., & Sri Sunarti. (2007). Morfologi Tanaman dan Fase Pertumbuhan Jagung. *Balai Penelitian Tanaman Serealia, Maros*.
- Arne Anderberg, from A., Moore, M. J., Olmstead, R. G., Rudall, P. J., Sytsma, K. J., Tank, D. C., Wurdack, K., Q-Y Xiang, J., Zmarzty, S., & Stevens, P. F. (2009). An Update of the Angiosperm Phylogeny Group Classification for the Orders and Families of Flowering Plants: APG III. *Journal of Linnean Society*.
- Badan Pusat Statistik (BPS). (2021). *Analisis Produktivitas Jagung dan Kedelai di Indonesia 2020*.
- Bahua, M.I dan Nurmi. 2014. Pertumbuhan dan Produksi Tiga Varietas Jagung Manis (*Zea mays* L. Kelompok Saccharata) Pada Sistem Jarak Tanam Jajar Legowo yang Berbeda. *Universitas Negeri Gorontalo*. 3(1): 1-8.
- Boćanski, J., Nastasić, A., Stanisavljević, D., Srećkov, Z., Mitrović, B., Treskić, S., & Vukosavljev, M. (2011). Biplot Analysis of Diallel Crosses of NS Maize Inbred Lines. *Genetika*, 43(2), 277–284. <https://doi.org/10.2298/GENSR1102277B>.

- Bozokalfa, K., Eşiyok, D., & Uğur, A. (2004). Determination of Yield Quality and Plant Characteristic of Some Sweet Corn (*Zea mays* L. Var. Saccharata) Varieties as Main and Second Crop in Ege Region. *Ege Univ. Ziraat Fak, Derg*, 41(1), 11–19. <https://www.researchgate.net/publication/264871091>
- Brandenberger, L., Kahn, B., & Rebek, E. (2016). Sweet Corn Production. *Division of Agricultural Sciences and Natural Resources. Oklahoma State University*. .
- Chozin, M., Sudjatmiko, S., Setyowati, N., F., & Mukhtar, Z. (2017). Daya Gabung Karakteristik Tongkol dari Galur-Galur Inbrida Jagung Manis pada Sistem Budidaya Organik. *Jurnal Hortikultura Indonesia*, 8(1), 48–58. <https://doi.org/10.29244/jhi.8.1.48-58>
- Damanik, M. M. B., Hasibuan, B. E., Sarifuddin, & Hanum, H. (2010). Kesuburan Tanah dan Pemupukan. *USU Press. Medan*.
- Erdal, Ş., Pamukçu, M., Savur, O., & Tezel, M. (2011). Evaluation of Developed Standard Sweet Corn (*Zea mays* Sacharata L.) Hybrids for Fresh Yield, Yield Components and Quality Parameters. *Turkish Journal of Field Crops*, 16(2), 153–156.
- Fehr, W. R., Fehr, E. L., & Jessen, H. J. (1987). Principles of Cultivar Development. Vol 1. Theory and Technique. In *Lowa State University* (Vol. 1). Lowa State University.
- Fiqriansyah, M., Aulia Putri, S., Syam A., R., Rahmadani, S., Noviasita Frianie, T., Anugrah R.L, S., Indah Sari N., Y., Nurul Adhayani, A., Nurdiana, Fauzan, Asisa Bachok, N., Magfira Manggabarani, A., & Dwi Utami, Y. (2021). *Teknologi Budidaya Tanaman Jagung (Zea mays) dan Sorgum (Sorghum bicolor (L.) Moench)*. Jurusan Biologi FMIPA UNM.
- Ofalti, Jamal Ali, Babak Rabiei., & Habibollah Samaizadeh. (2012). Griffing's Method Comparison for General and Specific Combining Ability in Cucumber. *The Scientific World Journal*. DOI:10.1111111100/2012/524873.
- Hammadi, H. J., & Abed, A. A. (2018). Determination Heterosis, Combining Ability and Gene Action Using Half Diallel Crosses in Maize. *Iraqi Journal of Agricultural Sciences*, 49(6), 954–959. <https://doi.org/10.36103/IJAS.V49I6.127>

- Hayman, B. (1954). The Theory and Analysis of Diallel Crosses. *Genetic*, 789–809.
<https://academic.oup.com/genetics/article/39/6/789/6033460>
- Hill, W. G., & Mackay, T. F. C. (2004). D. S. Falconer and Introduction to Quantitative Genetics. *Genetics Society of America*, 167(4), 1529–1536.
<https://doi.org/10.1093/genetics/167.4.1529>
- Hochholdinger, F., K. Woll, M. Sauer, & G. Feix. (2005). Functional Genomic Tools in Support of the Genetic Analysis of Root Development in Maize *Maydica*. *Maydica*, 50, 437–442.
- Huseynzade, G., Akper, Z., & Hasanov, S. (2020). Combining Ability and Gene Action of Tomato Hybrids (*Lucopersicum Esculentum* L.) Genotypes in Azerbaijan. *American Journal of Agricultural Research*. <https://escipub.com/american-journal-of-agricultural-research/>
- Ilker, E. (2011). Correlation and Path Coefficient Analysis in Sweet Corn. *Turkish Journal of Field Crops*, 16(2), 105–107.
<https://www.researchgate.net/publication/275039452>
- Izzah. (2009). *Pengaruh Ekstrak Beberapa Jenis Gulma Terhadap Perkecambahan Biji Jagung (Zea mays L.)*.
- Kashiani, P., Saleh N.A.P. Abdullah, & S.N. Abdullah. (2010). Variation and Genetic Studies in Selected Sweet Corn Inbred Lines. *Journal of Crop Science*, 2(2), 78–84.
- Kirana, & Sofiari E. (2007). Heterosis dan Heterobeltiosis pada Persilangan 5 Genotip Cabai dengan Metode Dialil dengan Metode Dialil. *Jurnal Hort.*, 17(2), 111–117.
- Lal, K., Kumar, S., Shrivastav, S. P., Singh, L., & Singh, V. (2023). Combining Ability Effects and Heterosis Estimates in Maize (*Zea mays* L.). *Electronic Journal of Plant Breeding*, 14(1), 89–95. <https://doi.org/10.37992/2023.1401.001>
- Lertrat, K., & Pulam, T. (2007). Breeding for Increased Sweetness in Sweet Corn. *International Journal of Plant Breeding*.
- Muhadjir, F. (2018). Karakteristik Tanaman Jagung. *Balai Penelitian Tanaman Pangan Bogor*.

- Najeeb, S., Sheikh, F. A., Ahangar, M. A., & Teli, N. A. (2011). Popularization of Sweet Corn (*Zea mays* L. Saccharata) Under Temperate Conditions to Boost the Socioeconomic Conditions. Introduction. *Maize Genetics Cooperation Newsletter*, 85.
- Oktem, A. (2008). Determination of Selection Criteria for Sweet Corn Using Path Coefficient Analyses. *Cereal Research Communications*, 36(4), 561–570. <https://doi.org/10.1556/CRC.36.2008.4.5>
- Olakojo, S., & Olaoye, G. (2011). Correlation and Heritability Estimates of Maize Agronomic Traits for Yield Improvement and Striga Asiatica (L.). *Kuntze Tolerance*. <https://www.researchgate.net/publication/228488897>
- Onofri, A., Terzaroli, N., & Russi, L. (2021). Linear Models for Diallel Crosses: A Review with R Functions. *Theoretical and Applied Genetics*, 134(2), 585–601. <https://doi.org/10.1007/s00122-020-03716-8>
- Poehlman, J. M. (2006). *Breeding Field Crop* (5th ed.). Springer Netherlands.
- Purwono, M., & Hartono, R. (2007). Bertanam Jagung Manis. *Penebar Swadaya, Bogor*.
- Pusat Data dan Sistem Informasi Pertanian (Pusdatin). (2020). *Outlook Jagung Komoditas Pertanian Subsektor Tanaman Pangan*.
- Quamrul Islam Matin, M., Golam Rasul, M., M Aminul Islam, A. K., Khaleque Mian, M. A., Akter Ivy, N., & Uddin Ahmed, J. (2016). Combining Ability and Heterosis in Maize (*Zea mays* L.). *American Journal of BioScience*, 4(6), 84–90. <https://doi.org/10.11648/j.ajbio.20160406.12>
- Rafael MÉNDEZ-NATERA, J., Rondón, A., Hernández, J., y Fernando MERAZO-PINTO, J. (2012). Genetic studies in upland cotton. III. genetic parameters, correlation, and path analysis. *SABRAO Journal of Breeding and Genetics*, 44(1), 112–128.
- Rehman, A. U., Dang, T., Qamar, S., Ilyas, A., Fatema, R., Kafle, M., Hussain, Z., Masood, S., Iqbal, S., & Shahzad, K. (2021). Review Revisiting Plant Heterosis from Field Scale to Molecules. *Genes*, 12(11). <https://doi.org/10.3390/genes12111688>

- Saeki, N., Kawanabe, T., Ying, H., Shimizu, M., Kojima, M., Abe, H., Okazaki, K., Kaji, M., Taylor, J. M., Sakakibara, H., Peacock, W. J., Dennis, E. S., & Fujimoto, R. (2016). Molecular and cellular characteristics of hybrid vigour in a commercial hybrid of Chinese cabbage. *BMC Plant Biology*, 16(1), 1–15. <https://doi.org/10.1186/s12870-016-0734-3>
- Sanghera, G. S., Wani, S. H., Hussain, W., Shafi, W., Haribhushan, A., & Singh, N. B. (2011). The Magic of Heterosis: New Tools and Complexities. *Nature and Science*, 9(11). <http://www.sciencepub.net/naturehttp://www.sciencepub.net>.
- Schnable, P. S., & Springer, N. M. (2013). Progress Toward Understanding Heterosis in Crop Plants. *Annual Review of Plant Biology*, 64, 71–88. <https://doi.org/10.1146/annurev-arplant-042110-103827>
- Sharma, M. K., & Fanta, S. (2010). Variance Balanced Designs for Complete Diallel Cross Optimal Block Designs for Complete Diallel Cross System IV was Investigated by Several Authors in the Presence and Absence of Specific Combining Ability Parameters in the Model. *Journal of Agricultural Biotechnology and Sustainable Development*, 2(4), 56–60.
- Singh RK, & Chaundhary BD. (1985). Biometrical Methods in Quantitative Genetic Analysis. *International Biometric Society*, 34.
- Smith, R. (1995). Chemical Process Design. *McGraw-Hill International Book Company*.
- Srećkov, Z., Boćanski, J., & Nastasić, A. (2010). Correlation and Path Coefficient Analysis of Morphological Traits of Maize (*Zea mays* L.). *Research Journal of Agricultural Science*, 42(2).
- Subaedah, S., Edy dan K. Mariana. 2021. Growth, Yield, and Sugar Content of Different Varieties of Sweet Corn and Harvest Time. *Hindawi*. 1: 1-7. DOI: <https://doi.org/10.1155/2021/8882140>.
- Suganthi, S. (2019). Relative Heterosis, Heterobeltiosis, and Standard Heterosis for Seed Yield and Yield Component Characters in Sesame (*Sesamum indicum* L.). *THINK INDIA (Quarterly Journal)*.

- Sujiprihati, S., Syukur, M., & Makkulawu, A. T. (2012). Perakitan Varietas Hibrida Jagung Manis Berdaya Hasil Tinggi dan Tahan Terhadap Penyakit Bulai. *Jurnal Ilmu Pertanian Indonesia (JIPI)*, Desember, 17(3), 159–165.
- Supriyanta, B., Pratama, M. S., & Nabila, N. (2023). Pendugaan Daya Gabung Umum dan Daya Gabung Khusus Jagung Manis dengan Persilangan Dialel Metode Griffing-1. *Vegetalika*, 12(2), 146. <https://doi.org/10.22146/veg.77955>
- Suryabrata, G. A. (2016). Perbandingan Karakter serta Pola Segregasi antara Lini Tetua Bersari Bebas dan Jagung Manis. *Universitas Bandar Lampung*.
- Syukur, M., & A. Rifanto. (2013). Jagung Manis. *Penebaran Swadaya*.
- Talukder, M. Z. A., Karim, A. N. M. S., Ahmed, S., & Amiruzzaman, M. (2016). Combining Ability and Heterosis on Yield and Its Component Traits in Maize (*Zea Mays* L.). *Bangladesh J. Agril. Res*, 41(3), 565–577.
- Temesgen, B. (2021a). Combining Ability and Heterosis in Plant Improvement. *Open Journal of Plant Science*, 108–117. <https://doi.org/10.17352/ojps.000043>
- Temesgen, B. (2021b). Global Role of Plant Breeding in Tackling Climate Change. *International Journal of Agricultural Science and Food Technology*, 223–229. <https://doi.org/10.17352/2455-815x.000111>
- Tessema, A. (2009). Construction and Analyses of Complete Diallel Cross through Partially Balanced Incomplete Block Designs. *A Thesis Submitted to the School of Graduate StMasterAddis Ababa University, in Partial Fulfillment of the Requirements for the Degree of Masters of Science in Statistics*. <http://thesisbank.jhia.ac.ke/id/eprint/4809>
- Tracy, W. F. (2001). Sweet corn. In: A. R. Halleuer (Ed.) Specialty corns. *CRC. Press Inc. USA*.
- Utami, S., K. N. Zikri, Widiastuty, dan K. Panjaitan. 2022. Respon Beberapa Varietas Jagung Manis (*Zea mays* L. Kelompok Saccharata) terhadap Hasil Panen di Kecamatan Hampanan Perak Kabupaten Deli Serdang. *Agrium*. 25(1): 79-86. DOI: <https://doi.org/10.30596/agrium.v25i11111.10148>.
- Vasal, S. K. (2001). *High Quality Protein Corn*. CRC Press LLC.
- Virmani, S. S., Viraktamath, B. C., Casal, C. L., Toledo, R. S., Lopez, M. T., & Manalo, J. O. (1997). *Hybrid Rice Breeding Manual*. International Rice Research Institute.

- Wahyu, Y., & Budiman, R. D. (2013). Daya Hasil Galur-Galur Kacang Tanah (*Arachis hypogaea L.*) Tahan Penyakit Bercak Daun di Kecamatan Ciranjang Kabupaten Cianjur Provinsi Jawa Barat. *Bul. Agrohorti*, 1(1).
- Wang, S., Wu, H., Lu, Z., Liu, W., Wang, X., Fang, Z., & He, X. (2023). Combining Ability Analysis of Yield-Related Traits of Two Elite Rice Restorer Lines in Chinese Hybrid Rice. *International Journal of Molecular Sciences*, 24(15). <https://doi.org/10.3390/ijms241512395>
- Wasuwatthanakool, W., Harakotr, B., Jirakiattikul, Y., Lomthaisong, K., & Suriharn, K. (2022). Combining Ability and Testcross Performance for Carotenoid Content of S2 Super Sweet Corn Lines Derived from Temperate Germplasm. *Agriculture (Switzerland)*, 12(10). <https://doi.org/10.3390/agriculture12101561>
- White, P. J. (2001). Properties of Corn Starch from Other Corn Mutants and Inbred Lines. F. Specialty Starches for Commercial Use Acknowledgments References. In *CRC Press LLC*. CRC Press LLC.
- Widyaningrum, R. (2004). Pengaruh Proporsi Populasi Kacang Tanah Terhadap Pertumbuhan dan Hasil Jagung Manis pada Pola Tumpang Sari. *Universitas Muhammadiyah Yogyakarta*. <https://doi.org/10.18196/pt.2014.028.90-98>
- Wiguna, G., & Sumpena, U. (2016). Evaluasi Nilai Heterosis dan Heterobeltiosis Beberapa Persilangan Mentimun (*Cucumis sativus L.*) pada Berbagai Altitud. *Jurnal Hortikultura*, 26.
- Wu, X., Liu, Y., Zhang, Y., & Gu, R. (2021). Advances in Research on the Mechanism of Heterosis in Plants. *Frontiers in Plant Science*, 12(September), 1–14. <https://doi.org/10.3389/fpls.2021.745726>