

## DAFTAR PUSTAKA

- Acquaah, G. (2012). Principles of Plant Genetics and Breeding: Second Edition. In *Principles of Plant Genetics and Breeding: Second Edition*. John Wiley and Sons. <https://doi.org/10.1002/9781118313718>
- Ahmed, U., Ahmad, D., Jalal, A., Rajab, H., Sartaj Alam, S., & Khan, M. S. (2019). Genetic structure of Pakistani tomato accessions based on morphological traits and RAPD markers. *Songklanakarin J. Sci. Technol*, 41(6), 1348–1355.
- Aisyah, S. I., Wahyuni, S., Syukur, M., & Witono, J. R. (2016). The Estimation of Combining Ability and Heterosis Effect for Yield and Yield Components in Tomato (*Solanum lycopersicum* Mill.) at Lowland. *Ekin J.*, 2(1), 23–29. [www.ekinjournal.com](http://www.ekinjournal.com)
- Ajenifujah-Solebo, S. O. A., Ingelbrecht, I., Isu, N. A., Olorode, O., Obioh, G. I. B., & Nnadi, S. (2018). Molecular Characterization of Three Cultivars of Tomato (*Lycopersicon Esculentum* L.) in South-West Nigeria Using SSR Markers. *International Journal of Environment, Agriculture and Biotechnology*, 3(4), 1401–1408. <https://doi.org/10.22161/ijeab/3.4.35>
- Al Shaye, N., Migdadi, H., Charbaji, A., Alsayegh, S., Daoud, S., AL-Anazi, W., & Alghamdi, S. (2018). Genetic variation among Saudi tomato (*Solanum lycopersicum* L.) landraces studied using SDS-PAGE and SRAP markers. *Saudi Journal of Biological Sciences*, 25(6), 1007–1015. <https://doi.org/10.1016/j.sjbs.2018.04.014>
- Allard, R. W. (1966). *Principles of Plant*. John Wiley & Sons. Inc.
- Alzahib, R. H., Migdadi, H. M., Al Ghamdi, A. A., Alwahibi, M. S., Afzal, M., Elharty, E. H., & Alghamdi, S. S. (2021). Exploring genetic variability among and within hail tomato landraces based on sequence-related amplified polymorphism markers. *Diversity*, 13(3). <https://doi.org/10.3390/d13030135>
- Ambarwati, E., Kurniawati, D., Sulistyaningsih, E., & Murti, R. H. (2012). KARAKTER AGRONOMIS DAN DAYA HASIL GALUR HARAPAN TOMAT PERSILANGAN “GM1” DENGAN “GONDOL HIJAU.” *Prosiding Seminar Nasional Sumber Daya Genetik Dan Pemuliaan Tanaman*, 546–553.
- Aneja, B., Yadav, N. R., Yadav, R. C., & Kumar, R. (2013). Sequence related amplified polymorphism (SRAP) analysis for genetic diversity and micronutrient content among gene pools in mungbean [*Vigna radiata* (L.) Wilczek]. *Physiology and Molecular Biology of Plants*, 19(3), 399–407. <https://doi.org/10.1007/S12298-013-0177-3/FIGURES/4>
- Astutik, & Sumiati, A. (2018). Upaya Meningkatkan Produksi Tanaman Tomat dengan Aplikasi Gandasil B. *Buana Sains*, 18(2), 149–160.
- Avdikos, I. D., Nteve, G. M., Apostolopoulou, A., Tagiakas, R., Mylonas, I., Xynias, I. N., Papathanasiou, F., Kalaitzis, P., & Mavromatis, A. G. (2021). Analysis of re-heterosis for yield and fruit quality in restructured hybrids, generated from crossings among tomato recombinant lines. *Agronomy*, 11(5). <https://doi.org/10.3390/agronomy11050822>
- Beaumont, M. A., Ibrahim, K. M., Boursot, P., & Bruford, M. W. (1998). Measuring Genetic Distance. *Molecular Tools for Screening Biodiversity*, 315–325. [https://doi.org/10.1007/978-94-009-0019-6\\_58](https://doi.org/10.1007/978-94-009-0019-6_58)
- Bennett, G. L., Pollak, E. J., Kuehn, L. A., & Snelling, W. M. (2014). Breeding: Animals. In *Encyclopedia of Agriculture and Food Systems* (pp. 173–186). Elsevier. <https://doi.org/10.1016/B978-0-444-52512-3.00228-X>

- Betran, F. J., Ribaut, J. M. ., Beck, D., & Gonzalez De Leó, D. (2003). Genetic Diversity, Specific Combining Ability, and Heterosis in Tropical Maize under Stress and Nonstress Environments. *Crop Science*, 43, 797–806. <http://www.>
- Birchler, J. A. (2013). Genetic Rules of Heterosis in Plants. *Polyploid and Hybrid Genomics*, 313–321. <https://doi.org/10.1002/9781118552872.CH19>
- Birchler, J. A. (2014). Heterosis in Plants. In *Encyclopedia of Agriculture and Food Systems* (pp. 539–543). Elsevier. <https://doi.org/10.1016/B978-0-444-52512-3.00227-8>
- BPS. (2022). *Produksi Tanaman Sayuran*. <https://www.bps.go.id/indicator/55/61/1/produksi-tanaman-sayuran.html>
- Brito, A. A. de, Campos, F., Nascimento, A. dos R., Corrêa, G. de C., Silva, F. A. da, Teixeira, G. H. de A., & Cunha Júnior, L. C. (2021). Determination of soluble solid content in market tomatoes using near-infrared spectroscopy. *Food Control*, 126, 1–7. <https://doi.org/10.1016/j.foodcont.2021.108068>
- Cheema, D. S., & Dhaliwal, M. S. (2008). Hybrid Tomato Breeding. *Journal of New Seed*, 6(2–3), 1–14. [https://doi.org/10.1300/J153V06N02\\_01](https://doi.org/10.1300/J153V06N02_01)
- Choudhuri, S. (2014). Fundamentals of Genes and Genomes. In *Bioinformatics for Beginners* (pp. 1–25). Elsevier. <https://doi.org/10.1016/b978-0-12-410471-6.00001-3>
- Comlekcioglu, N., Simsek, O., Boncuk, M., & Aka-Kacar, Y. (2010). Genetic characterization of heat tolerant tomato (*Solanum lycopersicon*) genotypes by SRAP and RAPD markers. *Genetics and Molecular Research: GMR*, 9(4), 2263–2274. <https://doi.org/10.4238/vol9-4gmr876>
- Comstock, R. E., & Robinson, H. F. (1952). Estimation of Average Dominance of Genes. In J. W. Gowen (Ed.), *Heterosis*. Iowa State College Press.
- da Costa, J. H. P., Rodríguez, G. R., Pratta, G. R., Picardi, L. A., & Zorzoli, R. (2014). Pericarp polypeptides and SRAP markers associated with fruit quality traits in an interspecific tomato backcross. *Genetics and Molecular Research*, 13(2), 2539–2547. <https://doi.org/10.4238/2014.January.24.10>
- Diers, B. W., Mcvetty, P. B. E., & Osborn, T. C. (1996). Relationship between Heterosis and Genetic Distance Based on Restriction Fragment Length Polymorphism Markers in Oilseed Rape (*Brassica napus* L.). *Crop Science*, 36, 79–83.
- Dogan, İ., & Dogan, N. (2016). Genetic Distance Measures: Review. *Turkiye Klinikleri Journal of Biostatistics*, 8(1), 87–93. <https://doi.org/10.5336/BIOSTATIC.2015-49517>
- Dreisigacker, S., Melchinger, A. E., Zhang, P., Ammar, K., Flachenecker, C., Hoisington, D., & Warburton, M. L. (2005). Hybrid performance and heterosis in spring bread wheat, and their relations to SSR-based genetic distances and coefficients of parentage. *Euphytica*, 144(1–2), 51–59. <https://doi.org/10.1007/s10681-005-4053-2>
- El-Azeem, R. M., Hashem, M. H., & Abd-El-Haleem, S. H. M. (2015). DETECTION OF GENETIC VARIABILITY IN Zea mays INBRED LINES USING SSRs AND SRAP MARKERS. *Egypt. J. Genet. Cytol*, 44, 291–307. <https://www.researchgate.net/publication/292607145>
- El-Aziz, A., Farid, S. M., & Elkomey, S. A. A. (2016). Evaluation of Molecular and Phenotypic Diversity in Relation to Heterosis in Some Tomato Lines Under Different Climatic Conditions. *J.Agric.Chem.and Biotechn*, 7(5), 141–151.

- El-Refaee, Y. Z., Shehab, M., Reda, A., & Fayed, A. (2016). PARENTAL GENETIC DISTANCE BASED ON MOLECULAR MARKERS AND ITS RELATIONSHIP WITH HETEROSIS IN RICE. In *J.Agric.Chem.and Biotechn* (Vol. 7, Issue 3).
- Espósito, M. A., Bermejo, C., Gatti, I., Guindón, M. F., Cravero, V., & Cointry, E. L. (2014). Prediction of heterotic crosses for yield in *Pisum sativum* L. *Scientia Horticulturae*, 177, 53–62. <https://doi.org/10.1016/j.scienta.2014.07.033>
- Falconer, D. S., & Mackay, T. F. C. (1996). *Introduction to Quantitative Genetic* (3rd Edition). John Wiley & Sons.
- Figueiredo, A. S. T., Resende, J. T. V., Faria, M. V., Da-Silva, P. R., Fagundes, B. S., & Morales, R. G. F. (2016). Prediction of industrial tomato hybrids from agronomic traits and ISSR molecular markers. *Genetics and Molecular Research*, 15(2). <https://doi.org/10.4238/gmr.15027981>
- Fortuny, A. P., Bueno, R. A., Pereira Da Costa, J. H., Zanor, M. I., & Rodríguez, G. R. (2021). Tomato fruit quality traits and metabolite content are affected by reciprocal crosses and heterosis. *Journal of Experimental Botany*, 72(15), 5407–5425. <https://doi.org/10.1093/jxb/erab222>
- Geleta, L. F., Labuschagne, M. T., & Viljoen, C. D. (2004). Relationship between heterosis and genetic distance based on morphological traits and AFLP markers in pepper. *Plant Breeding*, 123, 467–473. [www.blackwell-synergy.com](http://www.blackwell-synergy.com)
- Geng, X., Qu, Y., Jia, Y., He, S., Pan, Z., Wang, L., & Du, X. (2021). Assessment of heterosis based on parental genetic distance estimated with SSR and SNP markers in upland cotton (*Gossypium hirsutum* L.). *BMC Genomics*, 22(1), 1–11. <https://doi.org/10.1186/S12864-021-07431-6/TABLES/4>
- Guo, L., Liu, X., Liu, X., Yang, Z., Kong, D., He, Y., & Feng, Z. (2012). Construction of genetic map in barley using sequence-related amplified polymorphism markers, a new molecular marker technique. *African Journal of Biotechnology*, 11(74), 13858–13862. <https://doi.org/10.5897/AJB12.653>
- Gusmiaty, G., Restu, Muh., Asrianny, A., & Larekeng, S. H. (2017). Polimorfisme Penanda RAPD untuk Analisis Keragaman Genetik Pinus merkusii di Hutan Pendidikan Unhas. *Jurnal Natur Indonesia*, 16(2), 47. <https://doi.org/10.31258/JNAT.16.2.47-53>
- Gvodenovic, S., Pankovic-Saftic, D., Jovic, S., & Radic, V. (2009). Correlation between heterosis and genetic distance based on SSR markers in sunflower (*Helianthus annuus* L.). *Journal of Agricultural Sciences, Belgrade*, 54(1), 1–10. <https://doi.org/10.2298/JAS0901001G>
- Hale, A. L., Farnham, M. W., & Menz, M. A. (2006). Use of PCR-based Markers for Differentiating Elite Broccoli Inbreds. *Journal of the American Society for Horticultural Science*, 131(3), 418–423. <https://doi.org/10.21273/JASHS.131.3.418>
- Hallauer, A. R., Carena, M. J., & Filho, J. B. M. (2010). *Quantitative Genetics in Maize Breeding*. Springer.
- Huang, Z., Laosuwan, P., Machikowa, T., & Chen, Z. (2009). Combining Ability for Seed Yield and Other Characters in Rapeseed. *Suranaree J. Sci. Technol*, 17(1), 39–47.
- Huseynzade, G., Akperov, Z., & Hasanov, S. (2020). Combining Ability and Gene Action of Tomato Hybrids (*Lucopersicum esculantum* L.) Genotypes in Azerbaijan. *American Journal of Agricultural*, 5(80), 1–10. <https://escipub.com/american-journal-of-agricultural-research/>

- Jiang, G.-L. (2013). Molecular Markers and Marker-Assisted Breeding in Plants. In *Plant Breeding from Laboratories to Fields*. InTech. <https://doi.org/10.5772/52583>
- Kaeppler, S. (2012). Heterosis: Many Genes, Many Mechanisms—End the Search for an Undiscovered Unifying Theory. *ISRN Botany*, 2012, 1–12. <https://doi.org/10.5402/2012/682824>
- Kandel, D. R., Bedre, R. H., Mandadi, K. K., Crosby, K., & Avila, C. A. (2019). Genetic Diversity and Population Structure of Tomato (*Solanum lycopersicum*) Germplasm Developed by Texas A&M Breeding Programs. *American Journal of Plant Sciences*, 10(07), 1154–1180. <https://doi.org/10.4236/ajps.2019.107083>
- Khaled, G. A. A., Elsherbeeney, G. A. R., & El-Sayed, H. M. A. (2013). ESTIMATES OF GENETIC PARAMETERS AND HETEROSIS IN MAIZE (*Zea mays* L.) UNDER NORMAL AND DROUGHT CONDITIONS. *J.Agric.Chem.and Biotechn*, 4(2), 63–77.
- Krisnawati, A., & Adie, M. (2011). Heterosis, Heterobeltiosis dan Tindak Gen Karakter Agronomik Kedelai (*Glycine max* (L.) Merrill). *Berita Biologi*, 10(6), 827–836.
- Labroo, M. R., Studer, A. J., & Rutkoski, J. E. (2021). Heterosis and Hybrid Crop Breeding: A Multidisciplinary Review. *Frontiers in Genetics*, 12, 1–19. <https://doi.org/10.3389/fgene.2021.643761>
- Lees, C. J., Li, G., & Duncan, R. W. (2016). Characterization of Brassica napus L. genotypes utilizing sequence-related amplified polymorphism and genotyping by sequencing in association with cluster analysis. *Molecular Breeding*, 36(11). <https://doi.org/10.1007/s11032-016-0576-6>
- Li, G., & Quiros, C. F. (2001). Sequence-related amplified polymorphism (SRAP), a new marker system based on a simple PCR reaction: its application to mapping and gene tagging in Brassica. *Theor Appl Genet*, 103, 455–461.
- Lin, Z., Zhang, Y., Zhang, X., & Guo, X. (2009). A high-density integrative linkage map for *Gossypium hirsutum*. *Euphytica*, 166(1). <https://doi.org/10.1007/s10681-008-9822-2>
- Lučić, A., Isajev, V., Rakonjac, L., Mataruga, M., Babić, V., Ristić, D., & Mladenović Drnić, S. (2011). Application of various statistical methods to analyze genetic diversity of Austrian (*Pinus nigra* Arn.) and Scots pine (*Pinus sylvestris* L.) based on protein markers. *Genetika*, 43(3), 477–486. <https://doi.org/10.2298/GENSR1103477L>
- Mahfud. (2015). *EVALUASI DAYA HASIL DAN KUALITAS BUAH TIGA BELAS HIBRIDA TOMAT (*Solanum lycopersicum* L.)*. Universitas Gadjah Mada.
- Makanda, I., Tongoona, P., Derera, J., Sibiya, J., & Fato, P. (2010). Combining ability and cultivar superiority of sorghum germplasm for grain yield across tropical low- and mid-altitude environments. *Field Crops Research*, 116, 75–85. <https://doi.org/10.1016/j.fcr.2009.11.015>
- Mathai, F. W., Ojwang, P. P. O., & Gesimba, R. M. (2022). Combining ability and gene action for bacterial wilt disease resistance in wild tomato (*Solanum pimpinellifolium*) and cultivated tomato (*Solanum lycopersicum*) genotypes. *African Journal of Plant Science*, 16(4), 34–46. <https://doi.org/10.5897/ajps2021.2181>
- Melchinger, A. E., Lee, M., Lamkey, K. R., Hallauer, A. R., & Woodman, W. L. (1990). Genetic diversity for restriction fragment length polymorphisms and heterosis for two diallel sets of maize inbreds. *Theor Appl Genet*, 80, 488–496.



- Mirshami, A., Farsi, M., Shahriari, F., & Nemati, H. (2008). Use of Random Amplified Polymorphic DNA Markers to Estimate Heterosis and Combining Ability in Tomato Hybrids. *Pakistan Journal of Biological Sciences*, 11(4), 499–507.
- Mishra, M., Bhat, A. M., Suresh, N., Satheesh Kumar, S., Padmajyothi, D., SuryaPrakash, N., Kumar, A., & Jayarama. (2011). Molecular genetic analysis of arabica coffee hybrids using SRAP marker approach. *Journal of Plantation Crops*, 39(1), 41–47. <https://www.researchgate.net/publication/301753342>
- Mohammadi, S. A., & Prasanna, B. M. (2003). Analysis of Genetic Diversity in Crop Plants—Salient Statistical Tools and Considerations. *Crop Science*, 43(4), 1235–1248. <https://doi.org/10.2135/CROPSCI2003.1235>
- Moll, R. H., Lonnquist, J. H., Fortuno, E. Z., & Johnson, E. C. (1965). THE RELATIONSHIP OF HETEROSIS AND GENETIC DIVERGENCE IN MAIZE. *Genetics*, 52, 139–144. <https://academic.oup.com/genetics/article/52/1/139/5988102>
- Mumtaz, A., Zafar, F., Saifulmalook, & Shehzad, A. (2015). Review Paper A Review on Mating Designs. *Nature and Science*, 13(2), 98–105. <https://www.researchgate.net/publication/285583106>
- Murti, R. H., Kurniawati, T., & Nasrullah. (2004). POLA PEWARISAN SIFAT BUAH TOMAT. *Zuriat*, 15(2), 140–149. <https://www.researchgate.net/publication/230642919>
- Murti, R. H., & Trisnowati, S. (2001). The Performance of Morphology and Fruit Nutritions Content of Introduced Tomato Varieties. *Agrivet*, 5(2), 86–159. <https://www.researchgate.net/publication/230642916>
- Mwangangi, I. M., Muli, J. K., & Neondo, J. O. (2019). Plant Hybridization as an Alternative Technique in Plant Breeding Improvement. *Asian Journal of Research in Crop Science*, 1–11. <https://doi.org/10.9734/ajrcs/2019/v4i130059>
- Nadeem, M. A., Nawaz, M. A., Shahid, M. Q., Doğan, Y., Comertpay, G., Yıldız, M., Hatipoğlu, R., Ahmad, F., Alsaleh, A., Labhane, N., Özkan, H., Chung, G., & Baloch, F. S. (2017). DNA molecular markers in plant breeding: current status and recent advancements in genomic selection and genome editing. *Biotechnology & Biotechnological Equipment*, 32(2), 261–285. <https://doi.org/10.1080/13102818.2017.1400401>
- Nadeem, M. A., Nawaz, M. A., Shahid, M. Q., Doğan, Y., Comertpay, G., Yıldız, M., Hatipoğlu, R., Ahmad, F., Alsaleh, A., Labhane, N., Özkan, H., Chung, G., & Baloch, F. S. (2018). DNA molecular markers in plant breeding: current status and recent advancements in genomic selection and genome editing. In *Biotechnology and Biotechnological Equipment* (Vol. 32, Issue 2, pp. 261–285). Taylor and Francis Ltd. <https://doi.org/10.1080/13102818.2017.1400401>
- Nei, M. (1978). The theory of genetic distance and evolution of human races. *Japanese Journal of Human Genetics* 1978 23:4, 23(4), 341–369. <https://doi.org/10.1007/bf01908190>
- Nie, Y., Ji, W., & Ma, S. (2019). Assessment of heterosis based on genetic distance estimated using SNP in common wheat. *Agronomy*, 9(2). <https://doi.org/10.3390/agronomy9020066>
- Olfati, J. A., Samizadeh, H., Peyvast, G., Rabiei, B., & Khodaparast, S. A. (2012). RELATIONSHIPS BETWEEN HYBRID PERFORMANCE AND GENETIC DISTANCE REVEALED BY MORPHOLOGICAL AND AFLP MARKER IN CUCUMBER. *Plant Breeding and Seed Science*, 65. <https://doi.org/10.2478/v10129-011-0051-9>

- Pandey, S. K., Dasgupta, T., Rathore, ., Abhishek, & Anilkumar Vemula, . (2018). Relationship of Parental Genetic Distance with Heterosis and Specific Combining Ability in Sesame (*Sesamum indicum* L.) Based on Phenotypic and Molecular Marker Analysis. *Biochem Genet*, 56, 188–209. <https://doi.org/10.1007/s10528>
- Paul, M., & Saha, S. R. (2018). Assessment of genetic diversity of different tomato genotypes using RAPD markers. *Progressive Agriculture*, 29(4), 276–283. <https://www.researchgate.net/publication/351357392>
- Profillidis, V. A., & Botzoris, G. N. (2019). Statistical Methods for Transport Demand Modeling. In *Modeling of Transport Demand* (pp. 163–224). Elsevier. <https://doi.org/10.1016/b978-0-12-811513-8.00005-4>
- Rahman, R., Fadila, M. A., Saputra, H. E., Novanda, R. R., Salamah, U., Syarkowi, A., Sari, K. N., & Prawanto, A. (2020). Peningkatan Hasil Panen Tomat di Desa Sambirejo Dengan Penerapan Teknologi “Sonic Bloom.” *Dharma Raflesia : Jurnal Ilmiah Pengembangan Dan Penerapan IPTEKS*, 18(2), 248–258. <https://doi.org/10.33369/dr.v18i2.13242>
- Riyanto, A., Sujiprihati, S., & Sri Hendrastuti, dan H. (2008). Pendugaan Daya Gabung dan Heterosis Karakter Hortikultura Cabai (*Capsicum annum* L.). *Agrin*, 12(2), 1410–1439.
- Robarts, D. W. H., & Wolfe, A. D. (2014). Sequence-Related Amplified Polymorphism (SRAP) Markers: A Potential Resource for Studies in Plant Molecular Biology. *Applications in Plant Sciences*, 2(7), 140. <https://doi.org/10.3732/apps.1400017>
- Robinson, H. F., Mann, T. J., & Comstock, R. E. (1954). An Analysis of Quantitative Variability in *Nicotiana tabacum*. *Heredity*, 8, 365–376. <https://doi.org/https://doi.org/10.1038/hdy.1954.39>
- Ruiz, J. J., García-Martínez, S., Picó, B., Gao, M., & Quiros, C. F. (2005). Genetic Variability and Relationship of Closely Related Spanish Traditional Cultivars of Tomato as Detected by SRAP and SSR Markers. *J. Amer. Soc. Hort. Sci*, 130(1), 88–94.
- Sarawat, P., Stoddard, F. L., & Marshall, D. R. (1994). Genetic distance and its association with heterosis in peas. *Euphytica*, 73, 255–264. <https://doi.org/10.1007/BF00036704>
- Schnable, P. S., & Springer, N. M. (2013). Progress Toward Understanding Heterosis in Crop Plants. *Annual Review of Plant Biology*, 64(1), 71–88. <https://doi.org/10.1146/annurev-arplant-042110-103827>
- Sieber, P., Platzer, M., & Schuster, S. (2017). *The Definition of Open Reading Frame Revisited*. <https://doi.org/10.1016/j.tig>
- Singh, A. K., & Asati, B. S. (2011). COMBINING ABILITY AND HETEROSIS STUDIES IN TOMATO UNDER BACTERIAL WILT CONDITION. *Bangladesh J. Agril. Res*, 36(2), 313–318.
- Soedomo, P. R. (2012). Uji Daya Hasil Lanjutan Tomat Hibrida di Dataran Tinggi Jawa Timur. *J. Hort*, 22(1), 8–13.
- Solieman, T. H. I. (2009). Diallel Analysis of Five Tomato Cultivars and Estimation of Some Genetic Parameters for Growth and Yield Characters. *Alexandria Science Exchange Journal*, 3(2), 274–288.
- Solieman, T. H. I., El-Gabry, M. A. H., & Abido, A. I. (2013). Heterosis, potency ratio and correlation of some important characters in tomato (*Solanum lycopersicum* L.). *Scientia Horticulturae*, 150, 25–30. <https://doi.org/10.1016/j.scienta.2012.10.024>

- Srivastava, R., Prasad, V. M., Marker, S., Vikram, B., & Bahadur, V. (2019). Combining Ability Analysis for Earliness, Yield and Quality Components in Tomato (*Solanum lycopersicum* L.). *International Journal of Current Microbiology and Applied Sciences*, 8(07), 878–887. <https://doi.org/10.20546/ijcmas.2019.807.105>
- Syahdan, M., Karim, H. A., & linnaninengseh, I. (2022). Peningkatan Produktivitas Tanaman Tomat (*Lycopersicon esculentum* mill.) dengan Pemberian Berbagai Jenis Pupuk Kompos dan Komposisi NPK. *Jurnal Agroterpadu*, 1(1), 29. <https://doi.org/10.35329/ja.v1i1.2818>
- Tian, H. Y., Channa, S. A., & Hu, S. W. (2017). Relationships between genetic distance, combining ability and heterosis in rapeseed (*Brassica napus* L.). *Euphytica*, 213(1). <https://doi.org/10.1007/s10681-016-1788-x>
- Uddin, M. S., Amiruzzaman, M., Bagum, S. A., Hakim, M. A., & Ali, M. R. (2008). COMBINING ABILITY AND HETEROSIS IN MAIZE (*Zea mays* L.). *Bangladesh J. Genet Pl. Breed*, 21(1), 21–28.
- UPOV. (2019). *TOMATO: GUIDELINES FOR THE CONDUCT OF TESTS FOR DISTINCTNESS, UNIFORMITY AND STABILITY TG/44/11 (Rev. 3)*. [www.upov.int](http://www.upov.int)
- Vitara, F. N. (2021). *Uji Daya Hasil dan Kualitas Buah Empat Belas Galur Tomat (*Solanum lycopersicum* L.)*. Universitas Gadjah Mada.
- Wahyuni, S., Yunianti, R., Syukur, M., Witono, J. R., Syarifah, D., Aisyah, I., Konservasi, P. P., Kebun, T., & Bogor, R. (2014). Ketahanan 25 Genotipe Tomat (*Solanum lycopersicum* Mill.) terhadap Pecah Buah dan Korelasinya dengan Karakter-karakter Lain. *Indonesian Journal of Agronomy*, 42(3), 195–202. <https://doi.org/10.24831/JAI.V42I3.9166>
- Wasonowati, C. (2010). Peningkatan Produksi dan Kualitas Tomat (*Lycopersicon esculentum*) dengan Sistem Budidaya Hidroponik. *Rekayasa*, 3(2), 83–89.
- Wijaya, A. S., Sangadji, M. N., & Muhandi. (2017). Quality of Tomato and Plant Yield Added with Different Concentrations of Liquid Organik Fertilizer. *E-J. Agrotekbis*, 5(1), 1–8.
- Wiryanta, B. T. W. (2008). Bertanam Tomat. In L. A. Marianto (Ed.), *Hukum Perumahan*. PT AgroMedia Pustaka. [https://books.google.co.id/books?id=IluyESgD-MwC&printsec=frontcover&hl=id&source=gbg\\_summary\\_r&cad=0#v=onepage&q&f=false](https://books.google.co.id/books?id=IluyESgD-MwC&printsec=frontcover&hl=id&source=gbg_summary_r&cad=0#v=onepage&q&f=false)
- Wu, X., Liu, Y., Zhang, Y., & Gu, R. (2021). Advances in Research on the Mechanism of Heterosis in Plants. *Frontiers in Plant Science*, 12, 745726. <https://doi.org/10.3389/FPLS.2021.745726/BIBTEX>
- Yeboah, M. A., Xuehao, C., Chen, R. F., Liang, G., & Gu, M. (2007). A genetic linkage map of cucumber (*Cucumis sativus* L) combining SRAP and ISSR markers. *African Journal of Biotechnology*, 6(24), 2784–2791. <https://doi.org/10.5897/AJB2007.000-2445>
- Yu, C. Y., Hu, S. W., Zhao, H. X., Guo, A. G., & Sun, G. L. (2005). Genetic distances revealed by morphological characters, isozymes, proteins and RAPD markers and their relationships with hybrid performance in oilseed rape (*Brassica napus* L.). *Theoretical and Applied Genetics*, 110(3), 511–518. <https://doi.org/10.1007/s00122-004-1858-7>
- Yu, D., Gu, X., Zhang, S., Dong, S., Miao, H., Gebretsadik, K., & Bo, K. (2021). Molecular basis of heterosis and related breeding strategies reveal its

- importance in vegetable breeding. *Horticulture Research*, 8(1). <https://doi.org/10.1038/s41438-021-00552-9>
- Zhang, T., Ni, X. L., Jiang, K. F., Deng, H. F., He, Q., Yang, Q. H., Yang, L., Wan, X. Q., Cao, Y. J., & Zheng, J. K. (2010). Relationship Between Heterosis and Parental Genetic Distance Based on Molecular Markers for Functional Genes Related to Yield Traits in Rice. *Rice Science*, 17(4), 288–295. [https://doi.org/10.1016/S1672-6308\(09\)60029-9](https://doi.org/10.1016/S1672-6308(09)60029-9)
- Zhang, Z. S., Hu, M. C., Zhang, J., Liu, D. J., Zheng, J., Zhang, K., Wang, W., & Wan, Q. (2009). Construction of a comprehensive PCR-based marker linkage map and QTL mapping for fiber quality traits in upland cotton (*Gossypium hirsutum* L.). *Molecular Breeding*, 24(1), 49–61. <https://doi.org/10.1007/S11032-009-9271-1/TABLES/3>
- Zyada, H. G., & Ismail, H. E. M. A. (2018). GENETICAL STUDIES OF SOME MORPHOLOGICAL TRAITS AND YIELD OF BALADY CABBAGE USING NORTH CAROLINA DESIGN II. *Zagazig J. Agric. Res*, 45(1), 137–143. [www.journals.zu.edu.eg/journalDisplay.aspx?JournalId=1&queryType=Master](http://www.journals.zu.edu.eg/journalDisplay.aspx?JournalId=1&queryType=Master)