

## DAFTAR PUSTAKA

- Abdel-Latif, A., & Osman, G. 2017. Comparison of three genomic DNA extraction methods to obtain high DNA quality from maize. *Plant methods*, 13(1):1-9.
- Amoon, M.H & Abdul-Hamed, Z. A. (2020). Determination Genetic Diversity of Inbred Lines and Hybrids of Maize Using ISSR Technic. *Iraqi Journal of Agricultural Sciences*, 51(1): 269-277
- Amzeri, A., Indradewa, D., Daryono, B.S., dan Rachmawati, D. 2011. Kekerabatan Jagung (*Zea mays* L.) Lokal Madura Berdasarkan Karakter Morfologi dan Penanda RAPD. *Biota*, 16 (2): 227-235
- Anwer, A., Ibrahim, K., Bashandy, T. (2021). Evaluating Heat Stress Tolerance and Molecular Relationship Among Inbred Lines of Maize During Early Generations. *SVU-International Journal of Agricultural Sciences*, 3(4), 30-49
- Aqil, M, dan Arvan, R.Y. 2016. Deskripsi Varietas Unggul Jagung. Balai Penelitian Tanaman Serealia. Badan Penelitian dan Pengembangan Pertanian.
- Arif, M. F., Subositi, D., Sari, A.N., Aristya, G.R., Lesmana, I. and Kasiamdari, R.N. 2020. Genetic diversity of green chireta (*Andrographis paniculata* (Burm.f.) Wall. Ex Nees.) from Indonesia based on ISSR and RAPD markers. *Malaysian Applied Biology Journal*, 49 (1): 61-68
- Badan Pusat Statistik Indonesia. 2020. *Statistik Indonesia*. Katalog BPS 1101001(<https://ntt.bps.go.id/>) Diakses tanggal 23 Mei 2021
- Badan Pusat Statistik Nusa Tenggara Timur. 2020. *Statistik Daerah Nusa Tenggara Timur*. Katalog BPS 1101002.53 (<https://ntt.bps.go.id/>) Diakses tanggal 23 Mei 2021
- Bahadur, B., Rajam, M.V. Sahijram, L. and Krishnamurthy K.V. 2020. *Plant Biology and Biotechnology, Volume II: Plant Genomics and Biotechnology*. Springer. New Delhi
- Balai Penelitian dan Pengembangan Pertanian. 2013. *Deskripsi Varietas Unggul Jagung Edisi 2013*. Pusat Penelitian dan Pengembangan Pertanian, Kementerian Pertanian
- Bani, P.W., Daryono, B.S., dan Purnomo. 2017. Penanda Molekuler *Inter Simple Sequence Repeat* untuk Menentukan Ketahanan Tanaman Jagung terhadap Penyakit Bulai. *Jurnal Fitopatologi Indonesia*, 13 (4): 127-135
- Bani, P.W. 2018. Karakterisasi Fenotip dan Kekerabatan Varietas Jagung Lokal Kabupaten Timor Tengah Utara. *Savana Cendana*, 3 (3): 41-42
- Bunjamin, Z., Efendi, R. dan Andayani, N.N. 2013. Pemanfaatan Limbah Jagung Untuk Industri Pakan Ternak. *Prosiding Seminar Nasional Inovasi Teknologi Pertanian*. Balai Pengkajian Teknologi Pertanian Kalimantan Selatan
- Cain, A. J. and G. A. Harrison. (1960). Phyletic weighting. *Proceedings of the Zoological Society of London*, 135 (1): 1–31.
- Carvalho, V.P., Ruas, P.M., Ruas, C.F., Ferreira, J.M. and Moreira, R.M.P. 2002. Assessment of genetic diversity in maize (*Zea mays* L.) landraces using *inter simple sequence repeat* (ISSR) markers. *Crop Breeding and Applied Biotechnology*, 2 (1): 557-568
- Crowder, L.V. 2012. *Genetika Tumbuhan*. Gadjah Mada University Press. Yogyakarta.

- Dar, T.H., Shakeel, R., and Verma, S. 2018. Comparative Germplasm Characterization of Maize (*Zea mays* L.) in Rajouri Region of Pir Panjal Himalaya J & K (India), based on Morphological and ISSR Markers. *Journal of Crop Science and Biotechnology*, 21 (1): 43–55.
- Departemen Pertanian. 2004. *Panduan Karakterisasi Tanaman Pangan: Jagung dan Sorgum*. Badan Penelitian dan Pengembangan Pertanian, Komisi Nasional Plasma Nutfah. Bogor.
- Faesar dan Syuryawati. 2011. *Urgensi Koleksi Plasma Nutfah Jagung Lokal di Flores Nusa Tenggara Timur*. Balai Penelitian Tanaman Serealia. Maros.
- Genesiska, Susanto, B., dan Mulyono. 2020. Karakter Fenotipe Tanaman Jagung (*Zea mays* L.) Lokal Varietas Pulut Sulawesi di Daerah Istimewa Yogyakarta. *Plantropica: Journal of Agricultural Science*, 5 (1): 85-94
- Govindaraj, M., Vetriventhan, M. and Srinivasan, M. 2015. Importance of Genetic Diversity Assessment in Crop Plants and Its Recent Advances: An Overview of Its Analytical Perspectives. *Genetic Research International*, 2015: 1-14. Doi: 10.1155/2015/431487
- Hartoyo, E. 2008. Pengaruh Pemupukan Semi Organik Dengan Berbagai Sumber Pupuk Kandang Terhadap serapan N, Pertumbuhan, dan Hasil Tanaman Jagung (*Zea mays* L.). *Tesis*. Program Pascasarjana. Universitas Sebelas Maret. Surakarta.
- Idris, A. E. Hamza, N.B., Yagoub, S.O., Ibrahim, A.I.A., and El-Amin, H.K.A., 2012. Maize (*Zea mays* L.) Genotypes Diversity Study by Utilization of Inter-Simple Sequence Repeat (ISSR) Markers. *Australian Journal of Basic and Applied Sciences*, 6(10): 42-47
- Iriany R.N, M. Yasin H.G., dan Andi Takdir M. 2007. “*Asal, Sejarah, Evolusi, dan Taksonomi Tanaman Jagung*” dalam *Jagung: Teknik Produksi dan Pengembangan*. Balai Penelitian dan Pengembangan Pertanian, Pusat Penelitian dan Pengembangan Tanaman Pangan. Bogor.
- Jannah, N., Pharmawati, M., and Uslan. 2022. Genetic diversity of *Sterculia quadrifida* from Kupang based on ISSR profiles, stomatal density, and chlorophyll content. *Biodiversitas*, 23(5): 2690-2698
- Junior, A.T.A. de Oliveira, E.C., Goncalves, L.S.A., Scapim, C.A., Candido, L.S., Silva, T.R.C., Vittorazi, C. and da Cunha, K..S. 2011. Assessment of genetic diversity among maize accessions using *inter simple sequence repeats* (ISSR) markers. *African Journal of Biotechnology*, 10 (69): 165462-15469
- Khan, M. M. H., Rafii, M. Y., Ramlee, S. I., Jusoh, M., Mamun, M. A., and Halidu, J. 2021. DNA fingerprinting, fixation-index (Fst), and admixture mapping of selected Bambara groundnut (*Vigna subterranea* [L.] Verdc.) accessions using ISSR markers system. *Scientific Reports*, 11: 14527
- Koswara, S. 2009. *Teknologi Pengolahan Jagung (Teori dan Praktek)*. Ebookpangan.com.(<http://tekpan.unimus.ac.id/wpcontent/uploads/2013/07/Teknologi-Pengolahan-Jagung-Teori-dan-Praktek.pdf>). Diakses tanggal 18 Mei 2021

- Krisnamurthi, B. 2010. Manfaat Jagung dan Peran Produk Bioteknologi Serealia dalam Menghadapi Krisis Pangan, Pakan dan Energi di Indonesia. *Prosiding Seminar Nasional Serealia*. Badan Penelitian dan Pengembangan Pertanian, Kementerian Pertanian Republik Indonesia
- Lucena-Aguilar, G., Sánchez-López, A. M., Barberán-Aceituno, C., Carrillo-Ávila, J. A., López-Guerrero, J. A., & Aguilar-Quesada, R. 2016. DNA Source Selection for Downstream Applications Based on DNA Quality Indicators Analysis. *Biopreservation and biobanking*, 14(4), 264–270.
- Muhammad, R.W., Qayyum, A., Ahmad, M.Q., Hamza, A., Yousaf, M., Ahmad, B., Younas, M., Malik, W., Liaqat, S., and Noor, E. 2017. Characterization of maize genotypes for genetic diversity on the basis of inter simple sequence repeats. *Genetics and Molecular Research*, 16 (1): 1-9
- Panikkai, S., Nurmalinga, R., Mulatsih, S. dan Purwati, H. 2017. Analisis Ketersediaan Jagung Nasional Menuju Pencapaian Swasembada Dengan Pendekatan Model Dinamik. *Informatika Pertanian*, 26 (1): 41-48
- Patel, P., Rajkumar, B.K., Parmar, P., Shah, R. and Krishnamurthy, R. 2018. Assessment of genetic diversity in *Colletotrichum falcatum* Went accessions based on RAPD and ISSR markers. *Journal of Genetic Engineering and Biotechnology*, 16: 153-159
- Prasanna, B.M. 2012. Diversity in Global Maize Germplasm : Characterization and Utilization. *Journal of Biosciences*, 37 (5): 843-855.
- Raji, R. and Siril, E.A. 2021. Genetic diversity analysis of promising Ceylon olive (*Elaeocarpus serratus* L.) genotypes using morphological traits and ISSR markers. *Current Plant Biology*. 26: 1-11
- Ranum, P., Pena-Rosas, J. P., and Gracia-Casal, M.N. 2014. Global maize production, utilization, and consumption. *Annals of the New York Academy of Sciences*, 1312 (1): 105-112. Doi: 10.1111/nyas.12396
- Reddy, M.P., Sarla, N. and Siddiq, E.A. 2002. Inter simple sequence repeats polymorphism and its application in plant breeding. *Euphytica*, 128: 9-17
- Riwandi, Handjaningsih, M. dan Hasanudin . 2014. *Teknik Budidaya Jagung dengan Sistem Organik di Lahan Marjinal*. UNIB Press. Bengkulu.
- Semagn K. 2014. *Leaf Tissue Sampling and DNA Extraction Protocols*. In: Besse P. (eds) *Molecular Plant Taxonomy. Methods in Molecular Biology (Methods and Protocols)*. Humana Press. Totowa, NJ
- Simpson, M.G. 2010. *Plant Systematics (2<sup>nd</sup> Ed)*. Academic Press. London
- Singh, G. 1999. *Plant Systematics*. Science Publisher, New Hampshire, USA
- Singh, G. 2010. *Plant Systematics: An Integrated Approach (3<sup>rd</sup> Ed)*. Science Publishers. New Hampshire, USA.
- Singh, G. 2019. *Plant Systematics: An Integrated Approach (4<sup>th</sup> Ed)*. CRC Press. Boca Raton, USA.
- Sneath, P.H.A. and Sokal, R.R. 1973. *Numerical Taxonomy: The Principles and Practice of Numerical Classification*. W.H. Freeman and Company. San Fransisco
- Stuessy, T.F. 2009. *Plant Taxonomy: The Systematics of Comparative Data (2<sup>nd</sup> Ed)*. Columbia University Press. New York

- Subagio, H. dan Aqil. M. 2013. Pemetaan Pengembangan Varietas Unggul Jagung di Lahan Kering Iklim Kering. *Prosiding Seminar Nasional Serealia*. Badan Penelitian dan Pengembangan Pertanian, Kementerian Pertanian Republik Indonesia
- Subekti, N. A., Syafrudin, Roy, E., dan Sunarti, S. 2007. “*Morfologi Tanaman dan Fase Pertumbuhan Jagung*” dalam *Jagung: Teknik Produksi dan Pengembangan*. Balai Penelitian dan Pengembangan Pertanian, Pusat Penelitian dan Pengembangan Tanaman Pangan. Bogor.
- Subositi, D. dan Widiyastuti, Y. 2013. Keragaman Genetik Aksesori Kinase (*Echinacea purpurea* L.) Hasil Seleksi Massa Tahun I Melalui Analisis RAPD. *Buletin Kebun Raya*, 16 (2): 93-100.
- Sudaryanto, T. dan Rusastra, I. W. 2006. Kebijakan Strategis Usaha Pertanian dalam Rangka Peningkatan Produksi dan Pengentasan Kemiskinan. *Jurnal Litbang*, 25 (4): 115-122.
- Uslan dan Pharmawati, M. 2020. Genetic diversity of *Sterculia quadrifida* in Kupang, Indonesia based on RAPD (Random Amplified Polymorphic DNA) markers. *Biodiversitas*, 21 (7): 3407-3414
- Valiyeva, L.S. Rahimova, G.K., and Nabiyeva, N.A. 2019 Application of ISSR markers for study of genetic polymorphism of dark grain maize varieties. *Current Challenges in Plant Genetics, Genomics, Bioinformatics, and Biotechnology*, 19-41
- Weising, K., Nybom, H., Wolff, K., Kahl, G. 2005. *DNA Fingerprinting in Plants: Principles, Methods, and Applications (2<sup>nd</sup> Ed.)*. Taylor and Francis, London
- Widiyastuti DA. 2017. Isolasi DNA kromosom *Salmonella* sp. dan visualisasinya pada elektroforesis gel agarosa. *Seminar Nasional Pendidikan Biologi dan Saintek*, 311-317.
- Widyatmoko, A.Y.P.B.C., Lejo, E.S.P., Prasetyaningsih, A. dan Rimbawanto, A. 2010. Keragaman Genetik Populasi *Araucaria cunninghamii* Menggunakan Penanda RAPD (Random Amplified Polymorphic DNA). *Jurnal Pemuliaan Tanaman Hutan*, 4 (2): 63-77
- Yasin, M., Sumarno, dan Amin, N. 2014. *Perakitan Varietas Unggul Jagung Fungsional*. Badan Penelitian dan Pengembangan Pertanian, Kementerian Pertanian Republik Indonesia
- Yulita, K. S. dan Naiola, B. P. 2013. Keragaman Genetik Beberapa Aksesori Jagung dari Nusa Tenggara Timur Berdasarkan Profil Inter Short Sequence Repeat (ISSR). *Jurnal Biologi Indonesia*, 9 (2): 255-264.
- Yulita, K. S., Bora, C.Y., Arsa, I.G.B.A., dan Murniningsih, T. 2015. Analisis Fenetik Jagung Ras Lokal Nusa Tenggara Timur Umur Genjah Berdasarkan Karakter Agronomi dan Inter Short Sequence Repeats. *Berita Biologi*, 14 (3): 277-286