

DAFTAR PUSTAKA

- Aak. 2010. Teknik Bercocok Tanam *Jagung*. Kanisius, Yogyakarta.
- Acquaah, G. 2006. Principles of plant genetics dan breeding. Blackwell, Oxford.
- Albertine, A. 2009. Karakteristik Fisik Berondong Jagung Unggul Nasional (*Zea mays* L.) Diolah Dengan Teknik *Puffing* Pemanasan Konveksi Suhu Tinggi dan Teknologi Oven Gelombang Mikro. Institut Pertanian Bogor. Skripsi.
- Arif, A., M.A. Bakir, H.A. Khan, A.H. Al Farhan, A.A Al Homaidan, A.H. Bahkali, M. Al Sadoon, dan M. Shobarak. 2010. Application of RAPD for molecular characterization of plant species of medicinal value from an arid environment. *Genetic dan Molecular Research* 9: 2191 – 9198.
- Azrai, M. 2005. Sinergi teknologi marka molekuler dalam pemuliaan tanaman jagung. *Jurnal Litbang Pertanian* 25: 81-89.
- Bangun, S.I.I. 2007. RAPD (*Rdanom Amplified Polymorphic DNA*) untuk Mengevaluasi keragaman genetic tanaman. *Ilmu dan Budaya* 28: 1.
- Bauer I., S. Mladenović Drinić, M. Filipović, dan K. Konstanti-nov. 2005. Genetic characterization of early maturing maize hybrids (*Zea mays* L.) obtained by protein dan RAPD markers. *Genetika* 37: 235-243.
- Bernardo, R. 1994. Prediction of single-cross performance using RFLPs dan information from related hybrids. *Crop Science* 34: 20-25.
- Boyer, C. D dan L. C. Hannah. 2001. Kernel Mutants Of Corn. In Arnel. Hallauer, Ph.D. (ed). *Specialty Corn*. CRC Press, New York.
- Bustaman, M dan S. Moeljopawiro. 1998. Pemanfaatan teknologi sidik jari DNA di bidang pertanian. *Zuriat*. 9: 77-90.
- Colombo, C.,G. Second, dan A. Charrier. 2000. Diversity within American cassava germplasm based on RAPD markers. *Genetics dan Molecular Biology* 23:189-199.
- Correa, R.X., R.V. Abdelnoor, F.G. Faleiro, C.D. Cruz, A.M. Moreira, dan E.G. Barroso. 1999. Genetic distances in soybean based on RAPD markers. *Bragantia* 58: 15-22.
- Demeke, T. dan R.P. Adams. 1994. PCR technology current innovation: the use PCR RAPD analysis in plant taxonomy dan evolution. CRC Press. Inc., Florida.
- Doyle, J.J. dan J.L. Doyle. 1990. A rapid total DNA preparation for fresh plant tissue. *Focus* - 12:13-15.

- Eckebil J. P., W. M. Ross, C. O. Gardner, dan J. W. Maranville, 1977. Heritability estimates, genetic correlations, dan predicted gains from S1 progeny test in three grain sorghum Rdanom-mating Populations. *Crop Sci.* 17:373-377.
- Ferreira, M. E. dan D. Grattapaglia. 1996. *Introdução ao uso de marcadores moleculares em análise genética*. 2nd ed. Embrapa-Cenargen, Brasília.
- Finkeldey R. 2005. *An Introduction to Tropical Forest Genetics (Pengantar Genetika Hutan Tropis, alih bahasa: Djahuri, E., Siregar, I.Z., Siregar, U.J., Kertadikara, A.W. Institut Pertanian Bogor, Bogor)*.
- Ginting, S. 1995. *Jagung*. FP-USU, Medan.
- Goncalves, L. S. A., R. Rodrigues, C. P. Sudre, C. S. Bento, dan M. M. Moulin MM. 2008. Divergencia genetica em tomate estimada por marcadores RAPD em comparacao com descritores multicategoricos. *Hortic. Bras.* 26: 1113-1117.
- Hartono, R. dan Purwono. 2005. *Bertanam Jagung Unggul*. Penebar Swadaya, Depok.
- Ishak. 1998. Identifikasi DNA genom mutan padi Atomita-2 dan tetuanya menggunakan RAPD markers. *Zuriat* 9: 71-83.
- Iriany, R. N., M. Yasin, dan A. Takdir. 2008. *Asal, Sejarah, Evolusi, dan Taksonomi Tanaman Jagung*. Balai Penelitian Tanaman Sereal, Maros.
- Jewkes, M.D., A.M. Horrocks, dan M. Veae. 2011. *Powerful Popcorn: Nutritious dan Delicious*. Utah State University Extension. <http://www.uen.org/cte/facs/cabinet/downloads/FoodNutritionI/Popcorn_Recipes.pdf>. Diakses 15 Desember 2014
- Karainova, M., D. Drenska, dan R. Ochrov. 1990. A modification of toxic effects of platinum complexes with anthocyanins. *Eks. Med. Morfol.* 29: 19-24.
- Komisi Nasional Plasma Nutfah. 2004. *Pdanuan Karakterisasi Tanaman Pangan: Jagung dan Sorgum*. Balai Besar Penelitian dan Pengembangan Bioteknologi dan Sumberdaya Genetik Pertanian, Bogor.
- Lankey, K. R., A. R. Hallauer, dan A. L. Kahler. 1997. Allelic difference at enzyme loci dan hybrids performance in maize. *Journal of Heredity* 78: 231-234.
- Leal, A.A., C.A. Mangolin, A.T.A. Junior, L.S.A. Goncalves, C.A. Scapim, A.S. Mott, I.B.O. Eloi, V. Cordoves, dan M.F.P. Silva. 2010. Efficiency of RAPD versus SSR markers for determining genetic diversity among popcorn lines. *Genetics dan Molecular Research* 9: 9-18.
- Manach, C., A. Mazur, dan A. Scalbert. 2005. Polyphenols dan prevention of cardiovascular disease. *Curr. Opin. Lipidol.* 16: 77-84.

- Mirdana, G.V., L.V. Souza, J.C. Cardoso, L. J. Moreira, A.V. Melo, dan I.C. Santos. 2008. Genetic variability dan heterotic groups of Brazilian popcorn populations. *Euphytica* 162:431-440.
- Moeller, D. A. dan B. A. Schaal. 1999. Genetics relationships among native American maize accessions of the Great Plains assessed by RAPDs. *Theoretical dan Applied Genetic* 99: 1061-1067.
- Moose, S. P. dan R. H. Mumm. 2008. Molecular plant breeding as the foundation for 21st century crop improvement. *Plant Physiol.* 147: 969-977.
- Mullis, K. B., dan F. A. Faloona .1987. Specific synthesis of DNA in vitro via a polymerase-catalyzed chain reaction. *Methods Enzymol.* 155: 335- 350.
- Mulyadiana, A. 2010. Keragaman Genetik *Shorea laevis* Ridl. Di Kalimantan Berdasarkan Pendana Mikrosatelit. Institut Pertanian Bogor. Skripsi.
- Nei M. 1972. Genetic distance between populations. *Am Nat* 106:283-291.
- Nei, M. 1973. Analysis of gene diversity in subdivided population. *Proc. Natl. Acad. Sci. USA* 70: 3321-23.
- Nei, M. dan S. Kumar. 2000. *Molecular Evolutian dan Phylogenetics*.Oxford University Press, New York.
- Paran, I., E.Aftergoot, dan C.Shifriss. 1998. Variation in *Capsicum annum* revealed by RAPD dan AFLP markers. *Euphytica.* 99: 167 – 173.
- Paran, I. dan R.W. Michelmore. 1993. Development of reliable PCR-based markers linked to downy mildew resistance genes in lettuce. *Theoretical dan Applied Genetics* 85: 985–999.
- Podojil, J. J. 2013. *Popcorn Favorites*. Trafford Publishing, North America.
- Poespodarsono, S., 1988. *Dasar-dasar Ilmu Pemuliaan Tanaman*. PAU-IPB Bekerjasama dengan Lembaga Sumber Daya Informasi IPB, Bogor.
- Pereira, L.K., C.A. Scapim, C.A. Mangolin, A. Machado, M.F. Silva, dan A.P. Cleso. 2008. Heterozigosity following half-sib recurrent selection in popcorn using isoenzyme markers. *Electronic Journal of Biotechnology* 1:107-115.
- Porcher, M. H. 2005. Sorting Zea Names. Multilingual Multiscript Plant Name Database - A Work in Progress. School of Agriculture dan Food Systems. Faculty of Ldan & Food Resources. The University of Melbourne. Australia.<<http://www.plantnames.unimelb.edu.au/Sorting/Zea.html>>. Diakses 17 September 2013.

- Rafalski, J.A., S.V. Tingey, dan J.G.K. Williams. 1991. RAPD markers - a new technology for genetic mapping dan plant breeding. *AgBiotech News dan Info* 3: 645-648.
- Riedy, M.F., W.J Hamilton, dan C.F. Aquadro. 1992. Excess of non parental bands in offspring from known pedigrees assayed using RAPD PCR. *Nucl. Acids Res.* 20: 918.
- Rodvalho, M., F. Mora, E. Mendes, dan C.A. Scapim. 2008. Survival heritability in 169 families of white grain popcorn: A Bayesian approach. *Ciencia e Investigación Agraria* 35:303-309.
- Rukmana, R. 1997. *Bercocok Tanam Jagung Hibrida*. Penebar Swadaya, Jakarta.
- Soni, N. V. dan S. M. Khanorkar. 2013. Association of genetic divergence with heterosis, combining ability dan mean value for quantitative traits in popcorn (*Zea mays* var. Everta). *The Bioscan* 8: 1363-1367
- Subekti, Syafrudin, Efendi, dan Suarti. 2008. *Morfologi Tanaman dan Fase Pertanaman Jagung Balai Penelitian Serealia, Maros*.
- Sudre, C. P., E. Leonardecz, R. Rodrigues, A. Junior, M. Maria, dan G. Ldanro. 2007. Genetic resources of vegetable crops: a survey in the Brazilian germplasm collections pictured through papers published in the journals of the Brazilian Society for Horticultural Science. *Hortic. Bras.* 25: 337-342.
- Suhartini, T. 2010. Keragaman karakter morfologis plasma nutfah spesies padi liar (*Oryza* spp.). *Buletin Plasma Nutfah* 1: 17-28.
- Stuessy, T. F. 1990. *Plant Taxonomy*. Columbia University Press. USA.
- Sukartini. 2008. Analisis jarak genetik dan kekerabatan aksesi-aksesi pisang berdasarkan Primer Rdnom Amplified Polymorphic DNA. *J. Hort* 18: 261-266.
- Suranto. 2002. Cluster Analysis of *Ranunculus Species*. *Biodiversitas* 3 : 201-206.
- Sumerta, M.G. 1990. *Seleksi beberapa Plasma Nutfah Jagung Lokal Bali*. Universitas Udayana. Skripsi.
- Suprpto. 1999. *Bertanam Jagung*. Penebar Swadaya, Jakarta.
- Ulloa, S.M., A. Datta, S.D. Cavalieri, M. Lesmik, dan S.Z. Knezvic. 2010. Popcorn (*Zea mays* L. var. everta) yield dan yield component as influenced by the timing of broadcast flaming. *Crop Prot.* 29: 1496-1501.
- USDA, NRCS. 2014. The PLANTS Database <<http://plants.usda.gov>>. 16 December 2014). National Plant Data Team, Greensboro, NC 27401-4901 USA.

- Vilela, F.O, A. Júnior, M.G. Pereira, C.A. Scapim, A.P. Viana, dan F. Júnior. 2008. Effect of recurrent selection on the genetic variability of the UNB-2U popcorn population using RAPD markers. *Acta Scientiarum Agronomy* 30: 25-30.
- Wang, H., G. Cao, dan R.L. Proir. 1997. Oxigen radical absorbing capacity of anthocyanins. *J. Agric. Food. Chem.* 45:304-309.
- Welsh J. dan M. McClelland. 1990. Fingerprinting genomes using PCR with arbitrary primers. *Nucl. Acids Res.*18: 7213-7218.
- Williams, J. G. K., A. R. Kubelik, K. J. Livak, J. A. Rafalski, dan S. V. Tingey. 1990. DNA polymorphism amplified by arbitrary primers are useful as genetic markers. *Nucleic Acids Research* 18: 6531-6535.
- Windiastika, G. 2012. *Teknologi Marka Molekuler Tanaman*. Balai Besar Perbenihan dan Proteksi Tanaman Perkebunan, Surabaya.
- Yu dan K.P. Pauls. 1994. *PCR technology current innovation: optimation of DNA-extraction dan procedures For RAPD analysis in plants*. CRC. Press Inc., Florida.
- Yoshida, A. dan T. Yoshida. 2004. Soghurm diversity evaluated by simple sequence repeat (SSR) markers dan phenotypic performance. *Plant Production Science* 7: 301-308.
- Zavala, J.J.G. 2008. *Relationship of parental phenotypic dan genotypic differences with progeny genetic varia nce dan heritability in maize*. ProQuest, United States.