

DAFTAR PUSTAKA

- Afrianti, L. H., Sukandar, E. Y., Ibrahim, S. dan I Ketut, A. 2010. Senyawa Asam 2-Metilester-1-H-Pirol-4-Karboksilat Dalam Ekstrak Etil Asetat Buah Salak Varietas Bongkok Sebagai Antioksidan Dan Antihyperuricemia. *J. Teknol. Dan Industri Pangan*. 21(1): 66-72
- Agisimanto, D., Martasari, C. & Supriyanto, A. 2007. Perbedaan Primer RAPD dan ISSR Dalam Identifikasi Hubungan Kekerabatan Genetik Jeruk Siam (*Citrus suhuninensis* L. Tan) Indonesia. *Jurnal Hortikultura*. 17(2):101-110
- Anonim. 1992. *Budidaya Tanaman Salak. LIPTAN Lembar Informasi Pertanian*. Palangkaraya-Kalimantan Tengah
- Anonim. 1995. *Salak Pondoh*. Proyek Informasi Pertanian Daerah Istimewa Yogyakarta.
- Arfa, N. N., Daryono, B. S. & Reflinur. 2018. Comparison of Detergent and CTAB Method of DNA From Salak (*Salacca zalacca* (Gaert.) Voss.'Pondoh'). *Biology, Medicine & Natural Product Chemistry*. Vol 7(1): 15-20.
- Ariviani, S. dan Parnanto, N, H, R. 2013. Kapasitas Antioksidan Buah Salak (*Salacca edulis* REINW) Kultivar 'Pondoh', 'Nglumut' dan 'Bali' Serta Korelasinya Dengan Kadar Fenolik Total dan Vitamin C. *Agritech*. 33 (3): 324-333.
- Asra, R. 2014. Seleksi Primer Inter Simple Sequence Repeats (ISSR) Pada *Daemonorops draco* (Willd.) Blume (Arecaceae). *Jurnal Penelitian Universitas Jambi Seri Sains*. 16(1): 09-14
- Backer C.A. & R.C. Bakhuizen van den Brink (1963, 1965, 1968). *Flora of Java*. Wolter Noordhoff, NV Groningen. The Netherlands.
- Bani, P. M., Daryono, B. S. & Purnomo. 2017. Penanda Molekuler Inter Simple Sequence Repeat Untuk Menentukan Ketahanan Tanaman Jagung Terhadap Penyakit Bulai. *Jurnal Fitopatologi Indonesia*. 13(4):127-135.
- Bhattacharya, B dan B. M. Johri. 1998. *Flowering Plants. Taxonomy and Phylogeny*. USA. Narosa Publishing House. Pp. 21
- Davis, P. H. and Heywood, V. H. 1973. *Principle of Angiosperm Taxonomy*. Robert E. Krieger Publishing Company. Huntington, New York. Pp:35-37,110-111
- Domayti, F., A.A.Y. Rania., S.Edris., A.Mansour, G. Sabir, & Ahmed, B. 2011. Moleculers Markers Associated With Genetic Diversity of Some Medicinal Plants in Sinai. *Journal of Medicinal Plant Research*. 5(10):200-210
- Gumiaty., Restu, M., dan Ira, P. 2012. Seleksi Primer Untuk Analisis Keragaman Genetik Jenis Bitti (*Vitex coffassus*). *Jurnal Perennial*. 8(1); 25-29.
- Handoyo, D. dan Rudiretna, A. 2001. Prinsip Umum Dan Pelaksanaan *Polymerase Chain Reaction* (PCR). *Unitas*. 9(1):17-29

- Harahap, G. P. & Noer, R. A. 2018. Keragaman Jenis Salak Padang Sidempuan (*Salacca sumatrana*) Berdasarkan Karakter Morfologi Dan Analisis Isoenzim. *Jurnal Produksi Tanaman*. Vol 6(5): 922-929
- Heer, K., Mounger, J., Boquete, M. T., Richards, C. L., & Opgenoorth, L. 2018. The Diversifying Field of Olant Epigenetics. *New Phytologist*. 217(3):988-992
- Herawati, W. , Amurwanto, A., Nafi'ah, Z., Ningrum, A. M and Siti, S. 2018. Variation Analysis of Three Banyumas Local Salak Cultivars (*Salacca zalacca*) Based on Leaf Anatomy and Genetic Diversity. *Biodiversitas*. 9(1): 119-125
- Hermann, B. & Hummel, S. 1994. *Ancient DNA: Recovery and Analysis of Genetic Material From Paleontological, Archeological, Museum, Medical, and Forensic Specimens*. Springer Science & Business Media. New York, USA.
- Huang, L. Q. 2013. *Molecular Pharmacognosy*. Shanghai Scientific and Technical Publisher. Beijing. Pp: 50
- Innis, M. A., Gelfand, D. H., Sninsky, J. J. & Thomas, J. W. 1990. *PCR Protocols: A Guide to Methods and Applications*. Academic Press, INC. London, United Kingdom. Pp: 3-11
- Jamsari, 2007. *Bioteknologi Pemula Prinsip Dasar dan Aplikasi Analisis Molekuler*. UNRI PRESS. Pekanbaru.
- Karsinah., Sudarsono., Setyobudi, L. dan Hajrial, A. 2002. Keragaman Genetik Plasma Nuthfah Jeruk Berdasarkan Analisis Penanda RAPD. *Jurnal Bioteknologi Pertanian*. 7(1): 8-16
- Khosravinia, H., H. N. N. Murthy, D. T. Prasad, & N. Pirany. 2007. Optimizing Factors Influencing DNA extraction from fresh whole avian blood. *African Journal of Biotechnology*. 6 (4): 481-486.
- Kolmodin, L.A. & Birch, D. A. 2002. *Polymerase Chain Reaction: Basic Principles and routine practice*. Humana Press Inc. New Jersey
- Kumar, N., Modi, A. R., Singh, A. S., Gajera, B. B., Patel, A. R., Patel, M.P. & Subhash, N. 2010. Assesment of Genetic Fidelity of Micropropagated Date Palm (*Phoenix dactylifera* L.) Plants by RAPD and ISSR Markers Assay. *Physiology and Molecular Biology of Plants*. 16(2): 207-213
- Kusmana, C. & Agus, H. 2015. Keanekaragaman Hayati Flora Di Indonesia. *Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan*. 5(2): 187-198
- Lanham PG & Brennan RM. 1999. Genetik characterization of gooseberry (*Ribes grossularia* subgenus *Grossularia*) germplasm using RAPD, ISSR and AFLP markers. *J HortSci and Biotech*, 74:361 – 366.
- Lawrence, G. H. M. 1958. *Taxonomy of Vascular Plants*. Mac Millan Company. Newyork, USA. Pp: 1
- Lawrence, G. H. M. 1964. *An Introduction to Plant Taxonomy*. John Wileys and Sons. Singapore. Pp. 92-95.
- Li, A. & S. Ge. 2001. Genetic variation and clonal diversity of *Psammochloa villosa* (Poaceae) detected by ISSR markers. *Annals of Botany*. vol. 87(5): 585-590.

- Mohamad, A., Alhasnawi, A. N., Kadhimi, A. A., Isahak, A., YUSOFF, W. M. W and Che Radziah, C. M. Z. 2017. DNA Isolation and Optimatization of ISSR-PCR Reaction System in *Oryza sativa* L. *International Journal on Advanced Science Engineering Information Tecnology*. 7(6): 2264-2272
- Mondal, S., Sutar, S. R. & Badigannavar, A. M. 2008. Comparison of RAPD and ISSR Markers Profiles of Cultivated Peanut Genotypes Susceptible or Resistant to Foliar Diseases. *Journal of Food Agriculture & Environment*. 6(2): 181-187
- Mullis, K. B., Ferre, F. & Richard A. G. 1994. *The Polymerase Chain Reaction*. Springer Science+Business Media. New York.
- Nandariyah, A. 2010. Morphology and RAPD (Random Amplification of Polymorphic DNA) Based Classification of Genetic Variability of *Java Salacca* (*Salacca zalacca* Gaertn.Voss). *Journal of Biotechnology and Biodiversity*. 1(1):8-13
- Nazarudin dan Kristiawati, R. 1997. *18 Varietas Salak*. Penebar Swadaya. Jakarta.
- Nuryanti, S., Linda, R. & Irwan, L. 2015. Pemanfaatan Tumbuhan Arecaceae (palem-paleman) Oleh Masyarakat Dayak Randu Di Desa Batu Buil Kecamatan Belimbing Kabupaten Melawi. *Jurnal Protobiont*. 4(1):128-135.
- Nopianasanti, H., 2018. Kestabilan Fenotip dan Variasi Genetik Labu Susu (*Cucurbita moschata* (Duch.) Poir. 'Butternut') berdasarkan Inter-Simple Sequence Repeat. *Skripsi*. Fakultas Biologi Universitas Gadjah Mada.
- Pharmawati, M. 2009. Optimalisasi Eksraksi DNA dan PCR-RAPD Pada *Grevillea spp.* (Proteaceae). *Jurnal Biologi XIII*. 1: 12-16
- Purnamila, S. dan Widyatmoko, YPBC. 2017. Keragaman Genetik Populasi Kayu merah (*Pterocarpus indicus* Willd) Menggunakan Penanda Random Amplified Polymorphism DNA. *Jurnal Pemuliaan Tanaman*. Vol.11(1):67-76.
- Purnomo., Daryono, B. S., Rugayah., Issirep, S. and Hironobu, S. 2012. Phenetic Analysis And Intra-Spesific Classification Of Indonesia Water Yam Germplasm (*Dioscorea alata* L.) Based On Morphological Characters. *SABRAO Journal of Breeding and Genetics*. 44(2): 277-291.
- Purnomo., Daryono, B.S., Rugayah., Sumardi, I and Shiwachi, H. 2016. Genetic Variability And Classification of Indonesian Yams (*Dioscorea spp.*) Based on RAPD Analysis. *SABRAO Journal*. 48 (4): 377-390
- Qian, W., Ge, S., & Hong, D-Y. 2001. Genetic Variation Within and Among Populations of A Wild Rice *Oryza granulata* From China detected by RAPD and ISSR Markers. *Theor Appl Genet*. 102: 440-449
- Qiu, Y.X., Hong, D.Y., Fu, C.X. & Cameron, K.M. 2004. Genetic Variation in the Endangered and Endemic Species *Changium myrnioides* (Apiaceae). *Biocemical Systematic and Ecology*, 32: 583 – 596.
- Rahayu, S. E dan Handayani, S. 2010. Keragaman Genetik Pandan Asal Jawa Barat Berdasarkan Penanda *Inter Simple Sequence Repeat*. *Makara Sains*. 14(2): 158-162

- Rahmah, A. 2013. Hubungan Kekerabatan Aksesori Purwoceng (*Pimpinella pruatjan* Moelkenb.) di Pulau Jawa Berdasarkan Karakter Morfologis Dan Molekular. *Thesis*. Fakultas Biologi Universitas Gadjah Mada.
- Rajewsky, N., Jurga, S. & Jan, B. 2017. *Plant Epigenetics*. Springer International Publishing. Switzerland.
- Recece, D. & Haribabu, E. 2007. *Little application of molecular marker technology despite high investment*. The ESRC Centre fo Genomics in Society. Page 1-4 <http://www.sciencedirect.com/science/journal/03069192>.
- Reddy, M. P., N. Sarla & E. A. Siddiq. 2002. Inter Simple Sequence Repeat (ISSR) Polymorphism and Its Application in Plant Breeding. *Euphytica*. 128:9-17.
- Riana. 2015. Ini Strain Baru Salak Unggulan Sleman , Probo. Tertarik Budidayakan?. *Jitunews.com*. (diakses pada 22 April 2020).
- Sambrook, J., Fritsch, E. F. & Maniatis, J. 19882. *Molecular Cloning: A Laboratory Manual*. 2nd Edition. Cold Spring Harbor Laboratory Press. USA. Pp.45
- Sampurna, F, Z. 2019. Variasi dan Analisis Fenetik Tumbuhan Iler (*Plectranthus scutellaroides* (L.)R.Br) Berdasarkan Karakter Morfologis dan Penanda Molekuler *Inter simple Sequence Repeat*. *Skripsi*. Fakultas Biologi Universitas Gadjah Mada.
- Santoso, H. B. 1990. *Salak Pondoh*. Yogyakarta: Penerbit Kanisius
- Sari, N., Suryadiantina., B. S. Daryono and Purnomo. 2018. Variability And Intraspecific Classification of Indonesia Edible Canna (*Canna indica* L.) Based on RAPD Marker Analysis. *SABRAO Journal*. 50(2):156-167
- Semagn, K., Bjørnstad, A. & Ndijondjop, M.N., 2006. An overview of molecular marker methods for plants. *African Journal of Biotechnology*. 5(25): 2540 – 2568.
- Shukla, P. B. & Misra, S. P. 1979. *Introduction to Taxonomy of Angiosperm Third Edition*. Chand. New Delhi.
- Sing, B. D. and Singh, A. K. 2015. *Marker-Assited Plant Breeding: Principles and Practices*. Springer Publishing (India) Pvt. Ltd. New Delhi. Pp: 63
- Singh, G. 1999. *Plant Systematics*. Science Publisher, Inc. New Hampshire. Pp: 1-7
- Singh, G. 2004. *Plant Systematic, An Integrated Approach*. Science Publisher, Inc. New Hampshire, USA. 219-224
- Sokal, R. R. and Sneath, P. H. A. 1963. *Principles of Numerical Taxonomy*. W. H Freeman Company. San Francisco. Pp. 48-59
- Sovian, S. E., Watuguly, T. W. & Dominggus, R. Genetic Diversity of *Salacca edulis* From West Seram District, Maluku, Indonesia Based on Morphological Characters and RAPD Profiles. *Biodiversitas*. 19(5): 1777-1782
- Stace, C. A. 1996. *Plant Taxonomy and Biosystematics*. Cambridge University Press. Cambride. Pp: 43-52, 218
- Steenis, C. G. G. J., den Hoed, D., Bloembergen, S., Eyma, P. J., & Moeso, S. 1975. *Flora untuk Sekolah di Indonesia*. Pradnya paramita. Jakarta.
- Supriyadi., Suhardi., Suzuki, M., Yoshida, K., Muto, T., Fujita, A. & Naoharu, W. 2002. Changes in the Volatile Compounds and in the Chemical and

- Physical Properties of Snake Fruit (*Salacca edulis* Reinw) Cv. Pondoh during Maturation. *Journal of Agricultural and Food Chemistry*. 50(26): 7627-7233.
- Supriyadi., Shimizu, K., Suzuki, M., Yoshida, K., Muto, T., Fujita, A., Tomita, N. Naoharu, W. 2004. Maturity Discrimination of Snake Fruit (*Salacca edulis* Reinw.) cv. 'Pondoh' Based on Volatiles Analysis Using an Electronic Nose Device Equipped With A Sensor Array And Fingerprint Mass Spectrometry. *Flavour And Fragrance Journal*. 19: 44-50.
- Suskendriyati, H., Wijayawati, A., Hidayah, N. and Dewi, C. 2000. Studies on Morphological and Phylogenetic Relationship of Salak Pondoh Varieties (*Salacca zalacca* (Gaertn.)Voss.) at Sleman Highlands. *Biodiversitas*. 1 (2): 59-64
- Thompson, A. K. 2015. *Fruit And Vegetables Harvesting, Handling and Storage, Third Edition*. John Wiley & Sons, Ltd. Oxford, UK.
- Tjitrosoepomo, G. 1985. *Morfologi Tumbuhan*. Gadjah Mada University Press. Yogyakarta.
- Tjitrosoepomo, G. 1998. *Taksonomi umum: Dasar-Dasar Taksonomi Tumbuhan*. Gadjah Mada University Press. Yogyakarta. Hal. 60-62
- Tomar, R.S., Manoj, V.P., Sunil,V.P and Golakiya, B.A. 2010. *Molecular Markers & Plant Biotechnology*. New India Publishing Agency. New Delhi. pp:265-270.
- Tonk, F. A., Tosun, M., Ilker, E., Istipliler, D & Tatar, O. 2014. Evaluation and Comparison of ISSR and RAPD Markers For Assesment of Genetic Diversity In Triticale Genotypes. *Bulgarian Journal of Agricultural Science*. 20 (6): 1413-1420
- Touil, L., Bao, A. K., Wang, S.M, and Ferchichi, A. 2016. Genetic Diversity of Tunisian and Chinese Alfafa (*Medicago sativa* L.) Revealed by RAPD and ISSR Markers. *American Journal of Plant Sciences*. 7(6): 967-979
- Triyati, E. 1985. Spektrofotometer Ultraviolet dan Dinar Tampak Serta Aplikasinya Dalam Oseanologi. *Oseana*. 10(1):39-47
- Trustinah., A. Kasno., dan Mejaya, M. J. 2017. Keragaman Sumber Daya Genetik Kacang Tunggak. *Penelitian Pertanian Tanaman Pangan*. Vol 1(2):
- Wijaya, C. H., Ulrich, D., Lestari, R., Schippel, K. & Ebert, G. 2005. Identification of Potent Odorant in Different Cultivars of Snake Fruit (*Salacca zalacca* (Gaertn.)Voss) Using Gas Chromatography-Olfactometry. *Journal of Agricultural And Food Chemistry*. 53(5): 1637-1641
- Wolfe, A. D. 2005. ISSR Techniques For Evolutionary Biology. *Methods in Enzymology*. 395(9):134-144.
- Wu, Y. B., Zheng, L. J., Yi, J., Jian, G. W., Ti, Q. C., & Jin, Z. W. 2013. Quantitative and Chemical Fingerprint Analysis For The Quality Evaluation of *Receptaculum nelumbinis* by RP-HPLC Copled With Hierarchical Clustering Analysis. *International Journal of Molecular Science*. 14(1):1999-2010.
- Yusuf, Z. K. 2010. *Polymerase Chain Reactin (PCR)*. *Saintek*. 5 (6):01-06

- Yuwono, T. 2006. *Teori Dan Aplikasi Polymerase Chain Reaction*. Penerbit Andi. Yogyakarta.
- Yuenleni. 2019. Langkah-Langkah Optimasi PCR. *Indonesian Journal of Laboratory*. 1(3):51-56
- Zayed, E. M., Sayed, M. & Ahmad, O. 2015. Genetic Variations Between Two Ecotypes of Egyptian Clover by Inter-Simple Sequence Repeat (ISSR) Techniques. *African Journal Of Biotechnology*. 14(23): 1947-1953
- Zumaidar., Chikmawati, T., Hartana, A. & Sobir. 2015. Keanekaragaman Genetik *Salacca zalacca* Berdasarkan Penanda AFLP. *Floribunda*. Vol 5(2):60-70
- Zhou, Y., Zhou, C., Yao, H., Liu, Y. & Rangtao, T. 2008. Application of ISSR Markers in Detection of Genetic Variation Among Chinese Yam (*Dioscorea opposita* Thunb) Cultivars. *Life Science Journal*. Vol 5(4): 6-12
- Zietkiewicz, E., Rafalski, A. & Labuda, D. 1994. Genome Finger Printing by Simple Sequence Repeat (SSR)-Anchored Polymerase Chain Reaction Amplification. *Genomics*. 20:176-183.