

DAFTAR PUSTAKA

- Abdullah, B., S. Tjokrowidjojo, dan Sularjo. 2018. Perkembangan dan prospek perakitan padi tipe baru di Indonesia. *Jurnal Litbang Pertanian*, 27(1):1-9.
- Acquaah, G. 2007. *Principles of Plant Genetics and Breeding*. Blackwell Publishing, USA.
- Acquaah, G. 2012. *Principles of Plant Genetics and Breeding*. 2nd Edition. John Wiley & Sons, Ltd, West Sussex, UK.
- Affandi, S. W., L. Soetopo, dan S. L. Purnamaningsih. 2014. Penampilan tujuh genotip padi (*Oryza sativa* L.) hibrida japonica pada dua musim tanam. *Jurnal Produksi Tanaman*, 2(7):583-591.
- Afuape, S. O., P. I. Okocha, and D Njoku. 2011. Multivariate assessment of agromorphological variability and yield components among sweetpotato (*Ipomoea batatas* (L.) Lam) landraces. *African Journal of Plant Science*, 5(2):123-132.
- Afza, H. 2016. Peran konservasi dan karakterisasi plasma nutfah padi beras merah dalam pemuliaan tanaman. *Jurnal Litbang Pertanian*, 35(3):143-153.
- Ahimsya, M. B., P. Basunanda, dan Supriyanta. 2018. Karakterisasi morfologi dan fotoperiodeisme padi lokal (*Oryza sativa* L.) Indonesia. *Vegetalika*, 7(1):52-65.
- Alavan, A., R. Hayati, dan E. Haryati. 2015. Pengaruh pemupukan terhadap pertumbuhan beberapa varietas padi gogo (*Oryza sativa* L.). *J. Floratek*, 10:61-68.
- Ambarwati, E. 2014. *Pengantar Genetika Kuantitatif*. Gadjah Mada University Press. Yogyakarta.
- Arinta, K., dan I. Lubis. 2018. Pertumbuhan dan produksi beberapa kultivar padi lokal kalimantan. *Bul. Agrohorti*, 6(2):270-280.
- Aryana, I. G. P. M., A. A. Sudharmawan, Sumarjan, dan D. R. Anugrahwati. 2017. Penampilan galur harapan F₉ padi beras hitam hasil persilangan Baas Selem dan Situ Patenggang. *Jurnal Sains Teknologi & Lingkungan*, 3(2):36-44.
- Badan Pusat Statistik. 2013. *Proyeksi Penduduk Indonesia 2010-2035*. Badan Pusat Statistik. Jakarta.
- Badan Pusat Statistik. 2017. *Kajian Konsumsi Bahan Pokok 2017*. Badan Pusat Statistik Republik Indonesia. Jakarta.
- Badan Pusat Statistik. 2019. *Ringkasan Eksekutif Pengeluaran dan Konsumsi Penduduk Indonesia Berdasarkan Hasil Susenas Maret 2019*. Badan Pusat Statistik. Jakarta.

- Bahmankar, M., D. A. Nabati, and M. Dehdari. 2014. Correlation, multiple regression and path analysis for some yield-related traits in safflower. *Journal of Biodiversity and Environment Sciences*, 4(2):111-118.
- BB Padi. 2016. Klasifikasi Umur Tanaman Padi. <http://bbpadi.litbang.pertanian.go.id/index.php/info-berita/tahukah-anda/klasifikasi-umur-tanaman-padi>. Diakses pada 1 Oktober 2020.
- Bhandari, H. R., A. N. Bhanu, K. Srivastava, M. N. Singh, Shreya, and A. Hemantaranjan. 2017. Assessment of genetic diversity in crop plants - an overview. *Adv Plants Agric Res*, 7(3):279–286.
- Bhattacharyya, A. K., and S. K. DeDatta. 1971. Effects of soil temperature regimes on growth characteristics, nutrition and grain yield of IR22 rice. *Agron. J.*, 63:443–449.
- Bhering, L. L., C. D. Cruz, E. S. de Vasconcelos, A. Ferreira, and M. F. R. de Resende Jr. 2008. Alternative methodology for Scott-Knott test. *Crop Breeding and Applied Biotechnology*, 8:9-16.
- Bioversity International, IRRI, and WARDA. 2007. Descriptors for wild and cultivated rice (*Oryza* spp.). Bioversity International, Rome, Italy.
- BMKG, 2020. Data Ekstrem. http://dataonline.bmkg.go.id/cuaca_ekstrem diakses pada 5 Agustus 2020.
- Bodie, A. R., A. C. Micciche, G. G. Atungulu, M. J. Rothrock Jr., and S. C. Ricke. 2019. Current trends of rice milling byproducts for agricultural applications and alternative food production systems. *Frontiers in Sustainable Food Systems*, 3(47):1-13.
- Brown, J., P. Cagliari, and H. Campos. 2014. *Plant Breeding*. 2nd Edition. John Wiley & Sons Ltd, West Sussex United Kingdom.
- Butardo Jr., V. M., and N. Sreenivasulu. 2016. Tailoring Grain Storage Reserves for a Healthier Rice Diet and its Comparative Status with Other Cereals. In: *International Review of Cell and Molecular*. Volume 323. Elsevier Inc., p: 31-70.
- Caliskan, M. 2012. *Genetic Diversity in Plants*. Intech, Rijeka, Croatia.
- Chandraratna, M. F. 1964. *Genetics and Breeding of Rice*. Longmans, Green and Co. Ltd., London.
- Chang, T., and E. A. Bardenas. 1965. The Morphology and Varietal Characteristics of The Rice Plant. Technical Bulletin 4. International Rice Research Institute, Los Banos.
- Chang, T.T. 1979. Crop genetic resources. In: Snee, J. dan A.J.T. Hendriksen (Eds.). *Plant Breeding Perspectives*. Centr. Agric. Publ. & Doc., Wageningen. p. 83-103.

- Coffman, W. R., and R. M. Herrera. 1980. Rice. In: W. R. Fehr and H. Hadley. Hybridization of Crop Plants. Chapter 36. American Society of Agronomy Inc., Madison USA.
- Cooper, H. D., C. Spillane, and T. Hodgkin. 2001. Broadening The Genetic Base of Crop Production. CABI Publishing, New York, USA.
- Dabholkar, A. R. 2006. General Plant Breeding. Concept Publishing Company, New Delhi.
- Darajat, A. A., S. Silitonga, dan Nafisah. 2009. Ketersediaan Plasma Nutfah untuk Perbaikan Varietas Padi. In: Balai Besar Penelitian Tanaman Padi. 2009. Iptek Tanaman Pangan. Balai Besar Penelitian Tanaman Padi. Subang.
- El Ramija, K., N. Chairuman, dan D. Harnowo. 2010. Keragaan pertumbuhan komponen hasil dan produksi tiga varietas padi unggul baru di lokasi Primatani kabupaten Mandailing Natal. Jurnal Pengkajian dan Pengembangan Teknologi Pertanian, 13(1):42-51.
- Everitt, B. S., and G. Dunn. 1991. Applied Multivariate Data Analysis. Edward Arnold. London. p. 304.
- Fahad, S., M. Adnan, M. Noor, M. Arif, M. Alam, I. A. Khan, H. Ullah, F. Wahid, I. A. Mian, Y. Jamal, A. Basir, S. Hassan, S. Saud, Amanullah, M. Riaz, C. Wu, M. A. Khan, and D. Wang. 2019. Major Constraints for Global Rice Production. In: M. Hasanuzzaman, M. Fujita, K. Nahar, and J. K. Biswas. Advances in Rice Research for Abiotic Stress Tolerance. Elsevier Inc, United Kingdom.
- Fatimaturrohmah, S., I. A. Rumanti, A. Soegianto, dan Damanhuri. 2016. Uji daya hasil lanjutan beberapa genotip padi (*Oryza sativa* L.) hibrida di dataran medium. Jurnal Produksi Tanaman, 4(2): 129-136.
- Fehr, W. R. 1993. Principles of Cultivar Development. Macmillian Publishing Company, United States of America.
- Frankel, E., and E. Galun. 1977. Pollination Mechanisms, Reproduction and Plant Breeding. Springer-Verlag, New York.
- Glenn, K. C., B. Alsop, E. Bell, M. Goley, J. Jenkinson, B. Liu, C. Martin, W. Parrot, C. Souder, Oscar Sparks, W. Urquhart, J. M. Ward, and J. L. Vicini. 2017. Bringing new plant varieties to market: plant breeding and selection practices advance beneficial characteristics while minimizing unintended changes. Crop science, 57:2906-2921.
- Glim-Lacy, J., and P. B. Kaufman. 2006. Botany Illustrated: Introduction to Plants, Major Groups, Flowering Plants Families. Second Edition. Springer Science+Business Media, Inc., New York.
- Gnanamanickam, S. S. 2009. Progress in Biological Control: Biological Control of Rice Diseases. Springer Science+Business Media B.V, New York.

- Govindaraj, M., M. Vetriventhan, and M. Srinivasan. 2015. Importance of genetic diversity assessment in crop plants and its recent advances: an overview of its analytical perspectives. *Genetics Research Internasional*, 1-15.
- Guimaraes, E. P. 2009. Rice Breeding. In: Carena, M. J. 2009. *Handbook of Plant Breeding: Cereals*. Springer Science + Business Media, LLC, New York.
- Gul, K., B. Yousuf. A. K. Singh, P. Singh, and A. A. Wani. 2015. Rice bran: Nutritional values and its emerging potential for development of functional food. *Bioactive Carbohydrates and Dietary Fibre*, 6:24-30.
- Haghshenas, H., A. Soltani, A. G. Malidarreh, H. A. Norouzi, and S. Dastan. 2019. Selecting the ideotype of improved rice cultivars using multiple regression and multivariate models. *Archives Agronomy and Soil Science*, 1-20.
- Hair Jr., J. F., W. C. Black, B. J. Babin, and R. E. Anderson. 2010. *Multivariate Data Analysis*. Seventh Edition. Pearson Prentice Hall, New Jersey, USA.
- Hair Jr., J. F., W. C. Black, B. J. Babin, and R. E. Anderson. 2019. *Multivariate Data Analysis*. Eighth Edition. Cengage Learning EMEA, United Kingdom.
- Hallauer, A. R., M. J. Carena, and J. B. M. Filho. 2010. *Quantitative Genetics in Maize Breeding*. Springer Science+Business Media, LLC, New York.
- Harrell, F. E., C. Dupont, and many others. 2020. Hmisc: Harrell Miscellaneous. R package version 4.4-0. <https://CRAN.R-project.org/package=Hmisc>. Diakses pada 20 Juni 2020.
- Hickey, L. T., A. N. Hafeez, H. Robinson, S. A. Jackson, S. C. M. Leal-Bertioli, M. Tester, C. Gao, I. D. Godwin, B. J. Hayes, and B. B. H. Wulff. 2019. Breeding crops to feed 10 billion. *Nature Biotechnology*, 37:744–754.
- Hoshikawa, K. 1989. *The Growing Rice Plant: An Anatomical Monograph*. Nobunkyo, Tokyo.
- Ikeda, K., H. Sunohara, and Y. Nagato. 2004. Developmental Course of Inflorescence and spikelet in Rice. *Breeding Science*, 54:147-156.
- IRRI. 1980. *Descriptors for Rice *Oryza sativa* L.* IRRI, Manila, Filipina.
- IRRI. 2013. *Standar Evaluation System (SES) for Rice*. 5th Edition. IRRI, Manila, Filipina.
- Itoh, J., K. Nonomura, K. Ikeda, S. Yamaki, Y. Inukai, H. Yamagishi, H. Kitano, and Y. Nagato. 2005. Rice plant development: from zygote to spikelet. *Plant Cell Physiology*, 46(1):23-47.
- Izawa, T., and K. Shimamoto. 1995. Becoming a model plant: the importance of rice to plant science. *Trends in Plant Science*, 1(3): 95-99.

- Jain, J. R., B. Timsina, K. B. Satyan, and S. H. Manohar. 2017. A comparative assessment of morphological and molecular diversity among *Sechium edule* (Jacq.) Sw. accessions in India. *3 Biotech*, 7(106):1-8.
- Jelihovschi, E. G., J. C. Faria, and I. B. Allaman. 2014. ScottKnott: A Package for Performing the Scott-Knott Clustering Algorithm in R. *Trends in Applied and Computational Mathematics* 15(1), 3-17. <http://www.sbm.org.br/tema/seer/index.php/tema/article/view/646/643>. Diakses pada 23 April 2020.
- Jing, Q., J. H. J. Spiertz, H. Hengsdijk, H. van Keulen, W. Cao, and T. Dai. 2010. Adaptation and performance of rice genotypes in tropical and subtropical environments. *Wageningen Journal of Life Sciences*, 57: 149–157.
- Juansa, A., A. Purwantoro, dan P. Basunanda. 2012. Keanekaragaman padi (*Oryza sativa* L.) berdasar karakteristik botani morfologi dan penanda RAPD (*random amplified polymorphic DNA*). *Vegetalika*, 1(2):1-11.
- Kaiser, H. F. 1961. A note on Guttman's lower bound for the number of common factors. *British Journal of Statistical Psychology* 14: 1–2.
- Kartina, N., B. P. Wibowo, I. A. Rumanti, dan Satoto. 2017. Korelasi hasil gabah dan komponen hasil padi hibrida. *Penelitian Pertanian Tanaman Pangan*, 1(1):11-20.
- Kassambara, A. 2017. *Multivariate Analysis II: Practical Guide To Principal Component Methods in R*.
- Kassambara, A., and F. Mundt. 2020. factoextra: Extract and Visualize the Results of MultivariateData Analyses. R package version 1.0.7.999. <http://www.sthda.com/english/rpkgs/factoextra>. Diakses pada 20 Juni 2020.
- Kellog, E. A. 2015. *The Families and Genera of Vascular Plants: Flowering Plants Monocots Poaceae. Volume XIII*. Springer, London.
- Kementrian Pertanian Republik Indonesia. 2018. *Statistik Pertanian 2018*. Kementrian Pertanian RI, Jakarta.
- Khan, M. H., Z. A. Dar, and S. A. Dar. 2015. Breeding strategies for improving rice yield—a Review. *Agricultural Sciences*, 6:467-478.
- Khush, G. S. 2013. Strategies for increasing the yield potential of cereals: case of rice as an example. *Plant Breeding*, 132:433-436.
- Kirk, G. J. D., and D. R. Bouldin. 1991. Speculations on the operation of the rice root system in relation to nutrient uptake. In: Penning de Vries FWT, van Laar HH, Kropff MJ, editors. *Simulation and systems analysis for rice production (SARP)*. Wageningen (Netherlands): Pudoc. p 195-203

- Komisi Nasional Plasma Nutfah. 2003. Panduan Sistem Karakterisasi dan Evaluasi Tanaman Padi. Departemen Pertanian Badan Penelitian dan Pengembangan Pertanian, Jakarta.
- Latham, A. J. H. 1998. Rice: The Primary Comodity. Routledge, London.
- Lenaerts, B., B. C. Y. Collard, and M. Demont. 2019. Review: Improving global food security through accelerated plant breeding. *Plant Science*, 287:1-8.
- Li, C. C. 1956. The concept of path coefficient and its impact on population genetics. *Biometrics*, 12(2): 190-210.
- Li, Z., S. R. M. Pinson, J. W. Stansel, and A. H. Paterson. 1998. Genetic dissection of source-sink relationship affecting fecundity and yield in rice (shape *Oryza sativa* L.). *Molecular Breeding*, 4:419-426.
- Liang, T., X. Zheng-jin, and C. Wen-fu. 2017. Advances and prospects of super rice breeding in China. *Journal of Integrative Agriculture*, 16(5): 984–991.
- Luan, W., H. Chen, Y. Fu, H. Si, W. Peng, S. Song, W. Liu, G. Hu, Z. Sun, D. Xie, and C. Sun. 2009. The effect of the crosstalk between photoperiod and temperature on the heading-date in rice. *PLoS ONE*, 4(6):1-10. Abstract. <https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0005891&type=printable>> diakses pada 1 Oktober 2020.
- Maechler, M., Rousseeuw, P., Struyf, A., Hubert, M., Hornik, K. 2019. cluster: Cluster Analysis Basics and Extensions. R package version 2.1.0. <https://cran.r-project.org/web/packages/cluster>. Diakses pada 20 Juni 2020.
- Mafaza, V. N., Handoko, dan A. L. Adirejo. 2018. Keragaman genetik karakter morfologi beberapa genotip padi merah (*Oryza sativa* L.) pada fase vegetatif dan generatif. *Jurnal Produksi Tanaman*, 6(12):3048-3055.
- Maiti, R., P. Satya, D. Rajkumar and A. Ramaswamy. 2012. *Crop Plant Anatomy*. CABI, Oxfordshire.
- Martin, J. H., W. H. Leonard, and D. L. Stamp. 1976. Rice. In: *Principles of Field Crop Production*. Macmillan, New York, p: 539–562.
- Maxiselly, Y., D. Ustari, A. Ismail, dan A. Karuniawan. 2016. Pola penyebaran tanaman jengkol (*Pithecellobium jiringa* (Jack) Prain.) di Jawa Barat bagian selatan berdasarkan karakter morfologi. *Jurnal Kultivasi*, 15(1): 8-13.
- Mendiburu, F. d. 2020. agricolae: Statistical Procedures for Agricultural Research. R package version 1.3-3. <https://CRAN.R-project.org/package=agricolae>. Diakses pada 27 Juni 2020.
- Mohammadi, S. A., and B. M. Prasanna. 2003. Analysis of genetic diversity in crop plants-salient statistical tools and considerations. *Crop Science*, 43:1235-1248.

- Moldenhauer, K. A. K., and J. H. Gibbons. 2003. Rice Morphology and Development. In: C. W. Smith dan R. H. Dilday. Rice : Origin, History, Technology, and Production. Chapter 2.1. John Wiley & Sons, Inc., New Jersey.
- Mulyani, A. M., S. Ritung, dan I. Las. 2011. Potensi dan ketersediaan sumber daya lahan untuk mendukung ketahanan pangan. *Jurnal Litbang Pertanian*, 30(2): 73-80.
- Muthayya, S., J. Hall, J. Bargiansky, J. Sugimoto, D. Gundry, D. Matthias, S. Prigge, P. Hindle, R. Moench-Pfanner, and Glen Maberly. 2012. Rice fortification: An emerging opportunity to contribute to the elimination of vitamin and mineral deficiency worldwide. *Food and Nutrition Bulletin*, 33(4): 296-307. Muthurajan, R., Z-S Shobbar, S. V. K. Jagadish, R. Bruskiwich, A. Ismail, H. Leung, J. Bennett. 2011. Physiological and Proteomic Responses of Rice Peduncles to Drought Stress. *Mol Biotechnol*, 48:173-182.
- Nambi, V. E., Manickavasagan, A., and Shahir, S. 2017. Rice milling technology to produce brown rice. In A. Manickavasagan, C. Santhakumar, dan N. Venkatachalapathy. *Brown Rice*. Springer, Cham, Switzerland, p: 3–21.
- Nazirah, L., dan B. S. J. Damanik. 2015. Pertumbuhan dan hasil tiga varietas padi gogo pada perlakuan pemupukan. *J. Floratek*, 10:54-50.
- Oka, H. I. 1988. *Developments in Crop Science 14: Origin of Cultivated Rice*. Japan Scientific Societies Press, Tokyo.
- Ookawa, T., T. Hobo, M. Yano, K. Murata, T. Ando, H. Miura, K. Asano, Y. Ochiai, M. Ikeda, R. Nishitani, T. Ebitani, H. Ozaki, E. R. Angeles, T. Hirasawa, and M. Matsuoka. 2010. New approach for rice improvement using a pleiotropic QTL gene for lodging resistance and yield. *Nature Communications*, 1(132):1-11. Abstract. < <https://www.nature.com/articles/ncomms1132>> diakses pada Agustus 2020.
- Opik, H., and S. Rolfe. 2005. *The Physiology of Flowering Plants*. Fourth Edition. Cambridge University Press, Cambridge.
- Pan, XB., Y. B. Han, Z. X. Chen, and H. X. Zhang. 2004. Progress in genetic improvement of rice plant morphological characters. *J. Yangzhou Univ.*, 25:36-40.
- Panguluri, S. K., and A. A. Kumar. 2013. *Phenotyping for Plant Breeding : Applications of Phenotyping Methods for Crop Improvement*. Springer Science+Business Media, New York.
- Pathak, M. D., and Z. R. Khan. 1994. *Insect Pests of Rice*. International Rice Research Institute, Manila.
- Peng, S., G. S. Khush, P. Virk, Q. Tang, and Y. Zou. 2008. Progress in ideotype breeding to increase rice yield potential. *Field Crop Research*, 108:32-38.

- Poehlman, J. M. 1987. *Breeding Field Crops*. 3rd Edition. Springer Science+Business, New York.
- Prayoga, M.K. · N. Rostini · M. R. Setiawati · T. Simarmata · S. Stoeber · K. Adinata. 2018. Preferensi petani terhadap keragaan padi (*Oryza sativa*) unggul untuk lahan sawah di wilayah Pangandaran dan Cilacap. *Jurnal Kultivasi*, 17(1):523-530.
- Putri, F. D., Sobir, M. Syukur, and A. Maharijaya. 2017. Pengembangan kriteria seleksi untuk perakitan terung (*Solanum melongena* L.) berdaya hasil tinggi. *J. Argon Indonesia*, 45(2):182-187.
- Quinn, G., and M. Keough. 2002. *Experimental Design and Data Analysis for Biologists*. Cambridge University Press, New York.
- Rabara, R. C., M. C. Ferrer, C. L. Diaz, M. C. V. Newingham, and G. O. Romero. 2014. Phenotypic diversity of farmers' traditional rice varieties in the Philippines. *Agronomy*, 4:217-241.
- Rembang, J. H. W., A. W. Rauf, dan J.O.M. Sondakh. 2018. Karakter morfologi padi sawah lokal di lahan petani Sulawesi Utara. *Buletin Plasma Nutfah*, 24(1):1-8.
- Romero, F. M., and A. Gatica-Arias. 2019. CRISPR/Cas9: development and application in rice breeding. *Rice science*, 26(5):265-281.
- Romesburg, H. C. 1984. *Cluster Analysis for Researchers*. Lifetime Learning Publications, Wadsworth, Inc. California.
- RStudio Team. 2020. *RStudio: Integrated Development Environment for R*. RStudio, PBC, Boston, MA. <<http://www.rstudio.com/>>. Diakses pada 15 Juli 2020.
- Rudall, P. 2007. *Anatomy of Flowering Plants: An Introduction to Structure and Development*. Third Edition. Cambridge University Press, Cambridge.
- Rusdy, M. 2018. *Nutrisi Ternak Kambing*. CV Social Politic Genius (SIGn), Makassar.
- Sajak, A. 2012. Karakterisasi morfologi malai plasma nutfah padi lokal asal Kabupaten Tana Toraja Utara, Sulawesi Selatan. Universitas Hasanuddin, Sulawesi Selatan.
- Samaullah, M. Y., dan A. A. Darajat. 2009. Karakter padi sebagai penciri varietas dan hubungannya dengan sertifikasi benih. *Iptek Tanaman Pangan*, 4(1):59-68.
- Saragih, R. I. K., dan D. Wirnas. 2019. Studi keragaman galur F4 hasil persilangan padi varietas IPB 4S dengan Situ Patenggang. *Bul. Agrihorti*, 7(1):38-46.
- Sasahara, T. 1984. Panicle Properties and Ripening. In: S. Tsunoda dan N. Takahashi. *Biology of Rice*. Japan Scientific Societies Press, Tokyo. p: 173-184.
- Schooley, J. 1997. *Introduction to Botany*. Delmar Publishers, New York.

- Scott, A. J., and M. Knott. 1974. A cluster analysis method for grouping means in the analysis of variance. *Biometrics*, 30: 507-512.
- Sharma, D., G. S. Sanghera, P. Sahu, P. Sahu, M. Parikh, B. Sharma, S. Bhandarkar, P.R. Chaudhari, and B. K. Jena. 2013. Tailoring rice plants for sustainable yield through ideotype breeding an physiological interventions. *African Journal of Agricultural research*, 8(40):5004-5019.
- Sharma, S. K., J. Singh, M. S. Chauhan, and S. L. Krishnamurthy. 2014. Multivariate analysis of phenotypic diversity of rice (*Oryza sativa*) germplasm in North-West India. *Indian Journal of Agricultural Sciences*, 84 (2): 295–299.
- Shen, G., T. Girdthai, Z. Y. Liu, Y. H. Fu, Q. Y. Meng, and F. Z. Liu. 2019. Principal component and morphological diversity analysis of job's-tears (*Coix lacryma-jobi* L.). *Chilean Journal of Agricultural Research*, 79(1):131-143.
- Silitonga, T. S. 2004. Pengelolaan dan pemanfaatan plasma nutfah padi di Indonesia. *Buletin Plasma Nutfah*, 10(2):56-71.
- Singh, K. S., C. M. Singh, and G. M. Lai. 2011. Assessment of genetic variability for yield and its component characters in rice (*Oryza sativa* L.). *Research in Plant Biology*, 1(4): 73-76.
- Singh, R. K., and B. D. Chaudhary. 1985. *Biometrical Methods in Quantitative Genetic Analysis*. Kalyani Publishers. New Delhi.
- Sitairesmi, T., N. Yunani, Nafisah, Satoto, dan A.A. Darajat. 2018. Analisis kemiripan morfologi varietas unggul padi periode pelepasan 1980-2011. *Buletin Plasma Nutfah* 24(1):31-42.
- Sitairesmi, T., R. H. Wening, A. T. Rakhmi, N. Yunani, dan U. Susanto. 2013. Pemanfaatan plasma nutfah padi varietas lokal dalam perakitan varietas unggul. *Iptek Tanaman Pangan*, 8(1):22-30.
- Smith, C. W., and R. H. Dilday. 2002. *Rice : Origin, History, Technology, and Production*. John Wiley & Sons, Inc., New Jersey.
- Somantri, A., dan S. A. Muhidin. 2006. *Aplikasi Statistika dalam Penelitian*. Pustaka Setia. Bandung.
- Sriningsih, M., D. Hatidja, dan J. D. Prang. 2018. Penanganan multikolinearitas dengan menggunakan analisis regresi komponen utama pada kasus impor beras di Provinsi Sulut. *Jurnal Ilmiah Sains*, 18(1):18-24.
- Sumarno dan N. Zuraida. 2008. Pengelolaan plasma nutfah tanaman terintegrasi dengan program pemuliaan. *Buletin Plasma Nutfah*, 14(2):57-67.

- Supriyanti, A., Supriyanta, dan Kristamtini. 2015. Karakterisasi dua puluh padi (*Oryza sativa* L.) lokal di Daerah Istimewa Yogyakarta. *Vegetalika*, 4(3):29-41.
- Suryanugraha, W. A., Supriyanta, dan Kristamtini. 2017. Keragaan sepuluh kultivar padi lokal (*Oryza sativa* L.) Daerah Istimewa Yogyakarta. *Vegetalika*, 6(4):55-70.
- Syukur, M., S. Sujiprihati, dan R. Yunianti. 2015. Teknik Pemuliaan Tanaman, Edisi Revisi. Penebar Swadaya, Jakarta.
- Talukder, J., M. A. A. Bari, M. M. Islam, M. Islam, R. Jewel, and I. Jahan. 2019. Traits association, path analyses and multiple linear regression estimates in rice (*Oryza sativa* L.). *Fundamental and Applied Agriculture*, 4(4):1019-1024.
- Trolldenier, G. 1988. Visualisation of oxidizing power of rice roots and of possible participation of bacteria in iron deposition. *Z Pflanzenernähr Bodenkd*, 151: 117-121.
- United States Department of Agriculture. 2019. <https://www.plants.usda.gov/core/profile?symbol=ORYZA>. Diakses pada 20 Desember 2019.
- Uphoff, N., and R. Randriamiharisoa. 2002. Reducing water use in irrigated rice production with the Madagascar System of Rice Intensification (SRI). In: B. A. M. Bouman, H. Hengsdijk, B. Hardy, P. S. Bindraban, T. P. Tuong. and J. K. Ladha. *Water-wise Rice Production*. International Rice Research Institute, Los Banos. p: 71-88.
- Vergara, B. S., and T. T. Chang. 1976. The flowering response of the rice plant to photoperiod, 3rd ed. *Int. Rice Res. Inst.*, Los Banos, Philippines.
- Wahyuti, T. B., B. S. Purwoko, A. Junaedi, Sugiyanta, dan B. Abdullah. 2013. Hubungan karakter daun dengan hasil padi varietas unggul. *J. Argon. Indonesia*, 41(3):181-187.
- Wangiyana, W., Z. Laiwan, dan Sanisah. 2009. Pertumbuhan dan hasil tanaman padi var. Cihurang dengan teknik budidaya "SRI (System of Rice Intensification)" pada berbagai umur dan jumlah bibit per lubang tanam. *Crop Agro*, 2(1):70-78.
- Warda. 2011. Keragaan beberapa varietas unggul baru padi gogo di Kabupaten Bantaeng Sulawesi Selatan. Prosiding pada Seminar Nasional Serealia "Inovasi Teknologi Mendukung Swasembada Jagung dan Diversifikasi Pangan", Maros, 3-4 Oktober 2011.
- Wei, T. and V. Simko. 2017. R package "corrplot": Visualization of a Correlation Matrix (Version 0.84). <https://github.com/taiyun/corrplot>. Diakses pada 20 Juni 2020.
- Widyawan, M. H., S. Wulandary, and Taryono. 2020. Genetic diversity analysis of yardlong bean genotypes (*Vigna unguiculata* subsp. *sesquipedalis*) based on IRAP marker. *Biodiversitas*, 21(3): 1101-1107.
- Willmer. P. 2011. *Pollination and Floral Ecology*. Princenton University Press, New Jersey.

- Yamaguchi, T., and H. Hirano. 2006. Function and diversification of MADS-Box genes in rice. *The Scientific World Journal*, 6:1923-1932.
- Yongxing Zhang, Chunsheng Yu, Jianzhong Lin, Jun Liu, Bin Liu, Jian Wang, Aobo Huang, Hongyu Li, and Tao Zhao. 2017. OsMPH1 regulates plant height and improves grain yield in rice. *PLoS ONE*, 12(7):1-17.
- Yoshida, H., and Y. Nagato. 2011. Flower development in rice. *Journal of Experimental Botany*, 62(14):4719-4730.
- Yoshida, S. 1981. *Fundamentals of Rice Crop Science*. International Rice Research Institute, Los Banos.
- Yu, L., G. Li, M. Li, F. Xu, T. Beta, and Jinsong Bao. 2016. Genotypic variation in phenolic acids, vitamin E and fatty acids in whole grain rice. *Food Chemistry*, 197:776-782.
- Yuan, L. 2001. Breeding of super hybrid rice. In: Peng, S., and B. Hardy. *Rice Research for Food Security and Poverty Alleviation*. International Rice Research Institute. Los Banos, Philippines. Hal 143-147.
- Yunianti, R., S. Sastrosumarjo, S. Sujiprihati, M. Surahman, dan Sri Hendrastuti. 2010. Kriteria seleksi untuk perakitan varietas cabai tahan *Phytophthora capsici* Leonian. *J. Agron. Indonesia*, 38(2):122-129.
- Zafar, F., A. Mumtaz, S. U. Malook, and M. U. Aleem. 2015. A review on statistical tools for genetic diversity of crop improvement. *Nature and Science*, 13(2):83-87.
- Zen, S., H. Zarwan, Bahar, F. Dasmal, Artati, Aswardi, dan Taufik. 2002. *Pengkajian Varietas Padi Sawah Spesifik Preferensi Konsumen Sumatera Barat*. Departemen Pertanian, Balai Pengkajian Teknologi Sumatera Barat.
- Zhai, H., S. Cao, J. Wan, R. Zhang, L. Wei, L. Li, T. Kuang, S. Min, D. Zhu, and S. Cheng. 2002. Relationship between leaf photosynthetic function at grain filling stage and yield in super high-yielding hybrid rice (*Oryza sativa* L.). *Science in China (series C)*, 45(6):637-646. Abstract. <<https://link.springer.com/article/10.1007/BF02879752>> diakses pada 20 November 2019.