

DAFTAR PUSTAKA

- Ammermann, E., Lorenz, G., Schelberger, K., Mueller, B., Kirstgen, R. and Sauter, H. 2000. Pests and diseases. in: BCPC Conf. p.541-548.
- Bahri, S. 2010. Klorofil. Diktat kuliah kapita selekta kimia organik. Universitas Lampung. Hal 40-44
- Basyir, A., S. Purnarto, Suyamto dan Supriyatih. 1995. Padi gogo. Balai Penelitian dan Pengembangan Tanaman Pangan Malang. Hal 48.
- Bingham, J., 1969. The physiological determinants of grain yield in cereals. Agric. Prog. 44: 30–42.
- Bintari, E. N. 2006. Uji daya galur harapan padi sawah tipe baru (*oryza sativa L.*) di dua lokasi: Kabupaten Kendal Jawa Tengah dan Kabupaten Tanah Datar, Sumatera Barat. Skripsi. Fakultas Pertanian, Institut Pertanian Bogor. Bogor. Hal 45.
- BPS. 2011. Jumlah produksi dan konsumsi beras nasional tahun 2011. Badan Pusat Stastitika. Jakarta. Hal 1.
- 2013. Produksi padi, jagung, dan kedelai (angka sementara tahun 2012) no. 20/03/ th. XVI, 1 Maret 2013. Badan Pusat Statistik. Jakarta. Hal 1.
- Commuri, P.D. and Jones, R.J. 1999. Ultrastructural characterization of maize (*Zea mays L.*) kernels exposed to high temperature during endosperm cell division. Plant Cell Environ. 22(16):375–385.
- Confalonieri, R. and Bocchi S. 2005. Evaluation of cropsyst for simulating the yield of flooded rice in northern Italy, Eur. J. Agron. 23 (10):315– 326.
- De Datta, S.K. 1981. Principles and practices of rice production. A wiley-interscience publication. John Wiley and Sons. New York. p. 618.
- Deptan, 2009. Teknik budidaya tanaman pangan (padi, jagung, kedelai) primatani. Litbang. Deptan. Go.id/primataniweb/pdf/tjabungbarat.pdf diunduh 1 Maret 2013. Hal. 15-21.
- Easterling, R., Horton, B., Jones, P., Peterson, T.C., Karl, T.R., Parker, D.E., Salinger, M.J., Razuvayev, V., Plummer, N., Jamason, P. and Folland, C.K. 1997. Maximum and minimum temperature trends for the globe. Science 277(9):364–367
- Eitzinger, J., Orlandini, S., Stefanski, R. and Naylor, R. E. L. 2010. Climate change and agriculture: introductory editorial. J of Agric Sci, Cambridge 148 (10):499–500.
- Endrizal dan J. Bobihoe. 2004. Efisiensi penggunaan pupuk nitrogen dengan penggunaan pupuk organik pada tanaman padi sawah. Jurnal Pengkajian dan Pengembangan Teknologi Pertanian. 7 (2):118-124.
- Grossmann, K. and Retzlaff, G. 1997. Bioregulatory effects of the fungicidal strobilurin kresoxim-methyl in wheat (*Triticum estivum*). Pestic Sci. 50(11): 11-20.

- Gunadi, N., T.K. Moekasan., A. Everaats., H. de Putter., Subhan dan W. Adigyo. 2008. Pertumbuhan dan hasil tanaman paprika yang ditanam pada dua tipe konstruksi rumah plastik dan dua jenis media tanam. laporan penelitian. Balai penelitian tanaman sayuran. Hal. 419-439.
- Harjadi, S,S dan Yahya S. 1988. Fisiologi Cekaman Lingkungan. IPB Press, Bogor. p. 52-74.
- Hendriyani, I. S dan N. Setiari. 2009. Kandungan klorofil dan pertumbuhan kacang panjang (*Vigna sinensis*) pada tingkat penyediaan air yang berbeda. J. of Sains dan Mat. 17(3): 145-150.
- IPCC. 2007. Climate change and its impacts in the near and long term under different scenarios. In Climate Change 2007: Synthesis Report (Eds The Core Writing Team, R. K. Pachauri & A. Reisinger), Geneva, Switzerland. p. 43–54.
- Iqbal, A. 2008. Pertumbuhan dan hasil padi sawah dengan penggunaan macam pupuk organik dan dosis pupuk nitrogen. Agrivita 30 (1): 371- 379.
- IRRI. 2007. Rice knowledge bank. www.knowledgelandbank_irri.org/morph_welcome_to_Morphology_of_the_Rice_Plant.htm. Hal 4-7.
- Karl, T.R., Kukla, G. and Razuvayev, V.N., 1991. Global Warming: evidence for asymmetric diurnal temperature change. Geophys. Res. Lett. 18(5):2253–2256.
- Kegley, S.E., Hill, B.R., Orme S. and Choi, A.H. 2010. PAN pesticide database, pesticide action network, North America (San Francisco, CA, 2010), <http://www.pesticideinfo.org>. p.65-73.
- Koehle, H., Grossmann, K., Jabs, T., Gerhard, M., Kaiser, W., Glaab, J., Conrath, U., Seehaus, K. and Herms, S. 2003. Physiological effects of the strobilurin fungicide F 500 on plants. p.59-68.
- Kukla, G. and Kar, T. R. 1993. Nighttime warming and the green house effect. Environ. Sci. and Tech. 27(7):1468–1474.
- Lakitan, B. 1993. Dasar – dasar fisiologi tumbuhan. Raja Grafindo Persada. Jakarta. 205 hal.
- Lambers, H., T.L. Pons and F.S. Chapin. 1998. Plant physiological ecology. 2nd ed. springer sci. + bussiness media LLC. New York. USA. p. 73-75.
- Larson, R. A. 1997. in: Naturally occurring antioxidants. Lewis Publishers, CRC Press LLC, Boca Raton, New York. p. 7-15.
- Las, I., A. K. Makarim, Husni M. Toha dan A. Gani. 2007. Panduan teknis pengelolaan tanaman dan sumberdaya terpadu padi sawah irigasi. Badan Litbang Pertanian. Departemen Pertanian. Hal. 21-30.
- Lin,S.K., Chang, M.C., Tsai, Y.G. and Lur, H.S. 2005. Proteomic analysis of the expression of proteins related to rice quality during caryopsis development and the effect of high temperature on expression. Proteomics 5(2):2140–2156.

- Manurung, S. O dan Ismunadi. 1988. Morfologi dan fisiologi padi. Padi Buku 1. Badan Penelitian dan Pengembangan Pertanian. Pusat Penelitian dan Pengembangan Tanaman Pangan. Bogor. p. 20-45.
- Matsubayasi, H., Ito R., Nomoto T., Takase T., and Tamada N., 1997. Theory and Practice of Growing Rice. Fuji Publising co. Ltd. Tokyo. Japan. 6 (3) : 35-47.
- Maraseni, T. N., Mustaq, S. and Maroulis, J. 2009. Greenhouse gas emissions from rice farming inputs: a cross-country assessment. The J. of Agricol Sci. Cambridge 147(10):117–126.
- Morita, S., Jun-Ichi, Y. and Jun-Ichi, T. 2005. Growth and endosperm cell size under high night temperatures in rice (*Oryza sativa* L.). Ann. Bot. 95(1):695–701.
- Murata, Y. and S, Matsushima.1978. Rice. In Evans, L.T. (Ed.). Crop Physiology. Cambridge: University Press. Cambridge. p.73-99.
- Nafisah, Priatna. S, Nani Y. dan Meru. 2010. Karakterisasi lebih dari 200 aksesi plasma nutfah padi terhadap cekaman suhu rendah (<21°C) dan cekaman kekeringan. Laporan akhir tahun 2010. BB Padi. Hal.43
- Natawijaya, D. 2010. Pengaruh inokulasi mikoriza vesikular arbuskular (MVA) dan pemupukan kalium pada padi gogo. J.Agrivigor. 10(1):39-53.
- Peng, S.B., Huang J.L., Sheehy J.E., Laza R.C., Visperas R.M., Zhong X.H., Centeno G.S., Khush G.S. and Cassman K.G. 2004. Rice yields decline with higher night temperature from global warming. Proc. Natl. Acad. Sci. USA 101 (27): 9971–9975.
- Porter, J.R. and Moot D.J.1998. Research beyond the means: climatic variability and plant growth. In: Dalezios NR (ed) International symposium on applied agrometeorology and agroclimatology. Office for Official Publication of the European Commission, Luxembourg, p. 13–23 .
- Prasad, P. V. V., Boote K. J., Allen, L. H., Sheehy J. E. and Thomas, J. M. G. 2006. Species, ecotype and cultivar differences in spikelet fertility and harvest index of rice in response to high temperature stress. Field Crop Res. 95(3): 398–411.
- Priyatno, Tri P. 2012. Pengembangan padi C4 strategi inovasi adaptif menghadapi pemanasan global. Balai Besar Penelitian dan Pengembangan Bioteknologi dan Sumberdaya Genetik Pertanian. Hal. 9-12.
- Rizhsky, L., Liang, H. and Mittler R. 2002. The combined effect of drought stress and heat shock on gene expression in tobacco. Plant Physiol 130:1143–1151.
- Sasaki, T. and Burr, B. 2000. International rice genome sequencing project: the effort to completely sequence the rice genome. CurrOpin Plant Biol 3:138–141.
- Shah, F., Huang, J., Cui, K., Nie, L., Shah, T., Chen C. and Wang, K. 2011. Impact of high temperature stress on rice plant and its traits related to tolerance. The J. Agricol Sci. 149:545-556.

- Smith, P. and Olesen, J. E. 2010. Synergies between the mitigation of, and adaptation to, climate change in agriculture. *The J. of Agricol Sci.* Cambridge. 148: 543–552.
- Soemedi. 1982. Pedoman bercocok tanam padi. Fakultas Pertanian Universitas Jenderal Soedirman, Purwokerto. Hal 108.
- Song, Z. P., Lu, B.R. and Chen, K. J. 2001. A study of pollen viability and longevity in *Oryza rufipogon*, *O. sativa* and their hybrids. *Intern. Rice Res. Notes.* 26(3): 31–32.
- Suprihatno, Bambang., Aan A. Daradjat., Satoto., Baehaki S.E., I. N. Widiarta., Agus Setyono., S. Dewi Indrasari., Ooy S. Lesmana. dan Hasil Sembiring. 2009. Deskripsi Varietas Padi. Balai Besar Penelitian Tanaman Padi. Subang. p. 1-5.
- Taiz, L. and Zeiger, E. 2004. *Fisiología Vegetal [Plant physiology]*, 3. ed. Porto Alegre: Artmed Editora. p. 720.
- Takeoka, Y., Al Mamun, A., Wada, T. and Kaufman, P.B. 1992. Primary features of the effect of environmental stress on rice spikelet morphogenesis. In *Reproductive Adaptation of Rice to Environ Stress*. p. 113–141.
- Tashiro, T. and Wardlaw, I.F. 1991. The effect of high temperature on the accumulation of dry matter, carbon and nitrogen in the kernel of rice. *Aust. J. Plant Physiol.* 18: 259–265.
- Tschirley, J. 2007. Climate change adaptation: planning and practices. Power Point Keynote Presentation of FAO Environment, Climate change, Bioenergy Division, 10-12 September 2007, Rome. p. 7-11.
- Vergara, B.S. 1990. Bercocok tanam padi. Proyek Prasarana Fisik Bappenas, Jakarta. Hal 221.
- 1995. Bercocok tanam padi. (Terjemahan Bahasa Inggris). Departemen Pertanian. Jakarta. Hal 201.
- Wahid, A., Gelani, S., Ashraf, M. and Foolad, M.R. 2007. Heat tolerance in plants: an overview. *Environ. and Exp. Bot.* 61:199–223.
- Wassmann, R. and Dobermann, A. 2007. Climate change adaptation through rice production in regions with high poverty levels. *Ejournal of SAT Agricultural Research* 4. Available online at: <http://www.icrisat.org/journal/SpecialProject/sp8.pdf> (verified 8 Feb 2011).
- Yin, X., Kroff, M. J. and Goudriann, J. 1996. Differential effects of day and night temperature on development to flowering in rice. *Annals of Bot.* 77(10): 203–213.
- Yoshida, S. 1981. Fundamentals of rice crop science. In: *Climate and rice*. Los Banos (Philippines): Int Rice Res Inst. p. 87-88.
- Zhong, L. J., Cheng, F. M., Wen, X., Sun, Z. X. and Zhang, G. P. 2005. The deterioration of eating and cooking quality caused by high temperature during grain filling in early-season indica rice cultivars. *J. Agron. Crop Sci.* 191(5): 218–225.

Ziska, L. H., Manalo, P.A. and Ordonez, R. A. 1996. Intraspecific variation in the response of rice (*Oryza sativa* L.) to increased CO₂ and temperature: growth and yield response of 17 cultivars. J. of Exp. Bot. 47(3): 1353–1359.

