

DAFTAR KEPUSTAKAAN

- Abdullah B. 2009. Progress of Rice Improvement Through Recurrent Selection. Jurnal Agronomi Indonesia. 37(3): 183-193.
- Amir Kassam, A., Willem S., Norman U. 2011. Review of SRI modifications in rice crop and water management and research issues for making further improvements in agricultural and water productivity. Paddy and Water Environment, March 2011, Volume 9, Issue 1, pp 163–180
- Anggraini, F., Suryanto, A., dan Aini, N. 2013. Sistem Tanam dan Umur Bibit pada Tanaman Padi Sawah (*Oryza sativa L.*) Varietas Inpari 13. Jurnal Produksi Tanaman Vol. 1 No. 2. Pp 52-60.
- Anugrah. I., S. Sumedi dan Wardana, I. P. 2008. Gagasan dan Implementasi Sistem Of Rice Intensification (SRI) Dalam Kegiatan Budidaya Padi Ekologis (BPE) Analisis Kebijakan Pertanian. Volume 6 No. 1, Maret 2008 : 75-99.
- Ashraf, M., A. 2012. Waterlogging Stress In Plants: A review. African Journal of Agricultural Research Vol. 7(13), pp. 1976-1981, 5 April, 2012.
- Azarpour, E., Moraditochaei, M., dan Bozorgi H.R. 2014. Effect Of Nitrogen Fertilizer Management On Growth Analysis Of Rice Cultivars International Journal Of Biosciences (IJB). Vol. 4, No. 5, PP 35-47.
- Badan Koordinasi Penyuluhan Pertanian, Perikanan dan Kehutanan Provinsi Gorontalo. 2012. Budidaya Padi Sistem Jajar Legowo. 2 hal
- Badan Pusat Statistik. 2015. Badan Pusat Statistik. <http://www.bps.go.id>
- Badan Pusat Statistik. 2016. Badan Pusat Statistik. <http://www.bps.go.id>
- Badan Pusat Statistik. 2016. Kabupaten Pasaman Barat dalam angka. 335 hal
- Balai Pengkajian Teknologi Pertanian (BPTP) Jambi. 2013. Sistem Tanam Padi Jajar Legowo. Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian Badan Penelitian dan Pengembangan Pertanian Kementerian Pertanian ISBN : 978-602-1276-01-3.
- Baloch, A.W., A.M. Soomro, M.A. Javed, M. Ahmed, H.R. Bughio, M.S. Bughio, and N.N. Mastoi. 2002. Optimum plant density for high yield in rice (*Oryza sativa L.*). Asian J. Plant Sci. 1:25-27.
- Barkelaar, D. 2001. Sistem Intensifikasi Padi (The Sistem Of Rice Intensification) : Sedikit Dapat Memberi Lebih Banyak. Buletin Echo Development Notes Januari 2001. Terjemahan Oleh Indro Surono, Staf Elsppat. 2008. 1-6 Hal.

- Bouman, B.A.M., Lampayan, R.M., Tuong, T.P. 2007. Water Management in Rice: Coping with Water Scarcity. IRRI, Los Banos, Philippines, 54 pp.
- Chauhan, B. S., David E. J. 2011. Row spacing and weed control timing affect yield of aerobic rice. *Field Crops Research* 121, PP 226–231
- Chauhan, B.S., 2013. Shade Reduces Growth and Seed Production of *Echinochloa colona*, *Echinochloa crus-galli*, and *Echinochloa glabrescens*. *Crop Prot* 43, PP 241–245.
- Colmer, T.D. 2003. Long-distance Transport of Gases in Plants: A Perspective on Internal Aeration and Radial Oxygen Loss From Roots. *Plant, Cell & Environment* 26, 17–36.
- Colmer, T.D., & Greenway, H. 2005. Oxygen Transport, Respiration, And Anaerobic Carbohydrate Catabolism In Roots In Flooded Soils. In *Plant Respiration: From Cell To Ecosystem*. H Lambers, M Rivas-Carbo (Eds). Pp. 137–158. Springer, The Netherlands.
- Cristianto, P.P., Suprihati., Wigena, I.G.P. 2016. Pengaruh Pengelolaan Air Terhadap Pertumbuhan dan Hasil Tanaman Padi (*Oryza sativa L.*) Pada Lahan Sawah Bukaan Baru. Prosiding Konser Karya Ilmiah. Vol 2. Agustus 2016. 12 hal
- Da Silva, L.M., J.R. Park, J.D.H. keatinge and P.A. Pinto. 2001. The Use Of DSSIPM In The Alentejo Region Of Southern Portugal. *Agricultural Water Management*, Vol 51 (3), PP 203 – 215.
- Dafeng, Z., C. Shihua, Z. Yuping, And L. Xiaqing. 2002. Tillering Patterns And The Contribution Of Tillers To Grain Yield With Hybrid Rice And Wide Spacing. National Rice Research Institute, Hangzhou. Research Report China. 125 Hal.
- De Datta, S.K. 1981. Principles And Practices Of Rice Production. New York N.Y (USA). Jhon Wiley And Sons. 642 hal.
- Dinas Pertanian dan Kehutanan. 2007. Pedoman Bercocok Tanam Padi. Kabupaten Bantul. 6 Hal.
- Dobermann A. 2004. Critical Assessment of The System Of Rice Intensification (SRI). *Agric Syst* 79, PP 261–281.
- Dorenboos, J., and pruit W.O. 1977. Guidelines for predicting crop water requirements, irrigation and drainage paper. No. 24. FAO. Rome. 138 hal
- Eagle, A.J., J.A. Bird, J.E. Hill, W.R. Horwarth and C. van Kessel. 2001. Nitrogen dynamic and fertilizer use efficiency in rice following straw incorporation and water flooding. *Agronomy journal* 93 : 1346-1354.
- Fageria N. K. 2007. Yield Physiology of Rice. *Journal of Plant Nutrition* Volume 30, Issue 6. PP 843-879

- Farooq, M., A. Wahid., D.J. Lee., O. Ito., K.H.M. Siddique. 2009. Advances Drought Resistance Of Rice. Critical Review In Plant Sciences. Boca Raton.28 (4).
- Fassnacht, K., Gower, S., Norman, J., McMurtric, R., 1994. A Comparison Of Optical And Direct Methods For Estimating Foliage Surface Area Index In Forests. Agric. For. Meteorol. 71, PP 183–207.
- Gani. A, T. S. Kadir, A. Jatiharti, I.P. Wardhana Dan I. Las. 2002. The System Rice Intensification In Indonesia. Research Institu For Rice, Agency For Agricultural Research And Development. Bogor. Indonesia. 6 Hal.
- Gardner, P.G., R.G pearce and R.L. Mitchell. 1991. Physiology of crop plant, terjemahan fisiologi tanaman budaya. Penerbit universitas Indonesia. 421 hal.
- Giamerti, Y. dan Yursak, Z. 2013 Keragaan Komponen Hasil dan Produktifitas Tanaman Padi Sawah Varietas Inpari 13 Pada Berbagai Sistem Tanam. Widyariset, Vol. 16 No. 3. Desember 2013. Pp 481-488.
- Gibbs, J. & Greenway, H. (2003). Mechanisms of anoxia tolerance in plants. I. Growth, survival and anaerobic catabolism. Functional Plant Biology 30, 1–47.
- Gregory, P.J., L.P. Simmonds and C.J. Pilbeam. 2000. Soil type, climatic regime, and the respone of water use efficieny to crop management. Agronomy journal 92: 814-820.
- Grist, D. H. 1983. Rice. Longman's Group Ltd. 6th Edition. New York. 601 hal.
- Hayati, T. 2013. Pengaruh Tinggi Penggenangan Air Terhadap Pertumbuhan Dan Produksi Padi Sawah (*Oryza Sativa L.*). Skripsi. Institut Pertanian Bogor.
- Hazra, K. K ., dan Chandra, S. 2014. Effect of Extended Water Stress on Growth, Tiller Mortality and Nutrient Recovery Under System of Rice Intensification. Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci. Springerlink. DOI 10.1007/s40011-014-0415-7
- Hidayati, N., Tridiati Dan Iswandi A. 2016. Photosynthesis And Transpiration Of Rice Cultivated Under The System of Rice Intensification and The Effect On Growth And Yield. Hayati Journal of Biosciences 23 (2016) PP 67–72.
- Hiroka, Y., Homma, K., Shiraiwa, T., dan Kuwada, M. 2016. Parameterization of Leaf Growth in Rice (*Oryza Sativa L.*) Utilizing a Plant Canopy Analyzer. Field Crop Research 186, PP 117 -123
- Horie, T., Ohnishi, M., Angus, J.F., Lewin, L.G., Tsukaguchi, T., Matano, T. 1997. Physiological Characteristics Of High-Yielding Rice Inferred From Cross-Location Experiments. Field Crops Res. 52, PP 55–67.

- Horie, T., Shiraiwa, T., Homma, K., Katsura, K., Maeda, S., Yoshida, H. 2005. Can Yields Of Lowland Rice Resume The Increases That They Showed In The 1980s. *Plant Prod. Sci.* 8, PP 259–274.
- Huda, N.M, Harisuseno, D, Priyantoro, D. 2012. Kajian Sistem Pemberian Air Irigasi Sebagai Jadwal Penyusunan Rotasi Pada Daerah Irigasi Tumpang Kabupaten Malang. *Jurnal teknik pengairan.* Vol 3 No 2. Desember 2012. hlm 221-229.
- Ikhwani, P., G. R, Paturrohman, E. dan A.K. Makarim. 2013. Peningkatan Produktivitas Padi Melalui Penerapan Jarak Tanam Jajar Legowo Iptek Tanaman Pangan. Vol. 8 No. 2 2013. PP 72-79.
- Jackson, M.B. & Colmer, T.D. 2005. Response and Adaptation by Plants to Flooding Stress. *Annals of Botany.* 96: 501–505.
- Jiang Y. H., Zhang H C, Zhao K, Xu J W, Wei H H, Long H Y, Wang W T, Dai Q G, Huo Z Y, Xu K, Wei H Y, Guo B W. 2014. Difference In Yield And Its Components Characteristics Of Different Type Rice Cultivars In The Lower Reaches Of The Yangtze River. *Chinese Journal Of Rice Science,* 28, PP 621–631. (In Chinese)
- Julia, C., Dingkuhn, M., 2013. Predicting Temperature Induced Sterility Of Rice Spikelets Requires Simulation Of Crop-Generated Microclimate. *Eur. J. Agron.* 49, PP 50–60.
- Juraiimi, A.S, Saiful, A.H. M, Begum. M, Anuar, A.R. and Azmi, M. 2009. Influence of Flooding Intensity and Duration on Rice Growth and Yield. *Pertanika J. Trop. Agric. Sci.* 32 (2): PP 195 – 208.
- Kalu, I.L., G.N. paudyal., A.D. Gupta. 1995. Equity And Efficiency Issues In Irrigation Water Distribution. *Agricultural Water Management,* Vol. 28 (4) PP 335-348.
- Karim, S., T., Ata-Ul., Zhu, Y., Yao, X., dan Cao, W. 2014. Determination Of Critical Nitrogen Dilution Curve Based On Leaf Area Index In Rice Field Crops Research 167 (2014), PP 76–85
- Kasim, M. 2004. Manajemen Penggunaan Air: Meminimalkan Penggunaan Air Untuk Meningkatkan Produksi Padi Sawah Melalui Sistem Intensifikasi Padi (The Sistem Of Rice Intensification- SRI). Pidato Pengukuhan Sebagai Guru Besar Unand. Padang 2004. 42 Hal.
- Kato, T. 2006. Panicle Centroid Index: Anindexto Represent The Distribution Of Spikelets In A Panicle. *Kinki J. Crop Sci. Breed.* 51, PP 31–36.
- Kato, Y dan Katsura, K. 2010. Panicle Architecture And Grain Number In Irrigated Rice, Grown Under Different Water Management Regimes. *Field Crops Research* 117 (2010), Pp 237–244

- Kato, Y., Okami,M., Katsura, K., 2009. Yield Potential And Water Use Efficiency Of Aerobic Rice (*Oryza Sativa L.*) In Japan. *Field Crops Res.* 113, PP 328–334.
- Kementerian Pertanian., 2013. Panduan Sistem tanam Jajar Legowo. 32 hal
- Kementrian Pertanian, 2015a. Rencana Strategis Kementrian Pertanian.. 338 Hal.
- Kementrian Pertanian. 2015b. Modul Pendampingan Mahasiswa Dalam Upaya Khusus Peningkatan Produksi Padi, Jagung Dan Kedele. Badan Penyuluhan Dan Pengembangan Sumber Daya Manusia Pertanian. 189 Hal.
- Kobayashi, K.,Yamane, K., Imaki, T. 2001. Effects Of Non-Structural Carbohydrates On Spikelet Differentiation In Rice. *Plant Prod. Sci.* 4, PP 9–14.
- Kovi, M.R., Bai, X., Mao, D., Xing, Y., 2011. Impact Of Seasonal Changes On Spikelets Per Panicle, Panicle Length And Plant Height In Rice (*Oryza Sativa L.*). *Euphytica* 179, PP 319–331.
- Krishnan, P., Rao, A.V.S., 2005. Effects Of Genotype And Environment On Seed Yield And Quality Of Rice. *J. Agric. Sci.* 143, PP 283–292.
- Kukal S.S and G.C. Anggrawal. 2002. Percolation losses of water in relation to puddling intensity and depth in a sandy loam rice (*Oryza sativa.*) field. *Agricultural water management*, vol 57 (1) pp. 49-59.
- Lampayan, R.M., B.A.M. Bouman., J.L. de Dios, A.J. Espiritu, J.B. Soriano., A.T. Lactaoen., J.E. Faronilo., K.M. Thant. 2010. Yield Of Aerobic Rice In Rainfed Lowlands of The Philippines As Affected By Nitrogen Management And Row Spacing. *Field Crops Research* 116. PP 165–174.
- Lawlor D.W. 2002. Carbon And Nitrogen Assimilation In Relation To Yield: Mechanisms Are The Key To Understanding Production Systems. *Journal Of Experimental Botany*, Vol. 53, No. 370 Norganic Nitrogen Assimilation Special Issue, Pp. 773–787.
- Laza R C, Peng S, Akita S, Saka H. 2004. Effect Of Panicle Size On Grain Yield Of IRRI-Released Indica Rice Cultivars In The Wet Season. *Plant Production Science*, 7, PP 271–276.
- Lemoine R, La Camera S, Atanassova R, Dedaldechamp F, Allario T, Pourtau N, Bonnemain JL, Laloi M, Coutos-Thevenot P, Maurousset L, Faucher M, Girousse C, Lemonnier P, Parrilla J, Durand M. 2013. Source-to-sink transport of sugar and regulation by environmental factors. *Front Plant Sci* 4:272.
- Lenssen, J.P.M., Van de Steeg, H.M. & de Kroon, H. 2004. Does disturbance favour weak competitors? Mechanisms of altered plant abundance after flooding. *Journal of Vegetation Science* 15, 305–314.

- Lestari, A. 2012. Uji Daya Hasil Beberapa Varietas Padi Unggul dan Varietas Introduksi dengan Sistem SRI (Sistem Of Rice Intensification) Dan Sistem Konvensional. Skripsi Universitas Andalas.
- Li X. T, Cheng H T, Wang N, Yu C M, Qu L Y, Cao P, Hu N, Liu T, Lyu W Y. 2013. Critical Factors For Grain Filling Of Erect Panicle Type Japonica Rice Cultivars. *Agronomy Journal*, 105, 1404–1410.
- Li, X., Qian, Q., Fu, Z., Wang, Y., Xiang, G., Zeng, D., Wang, X., Liu, X., Teng, S., Hiroshi,F., Yuang, M., Luo, D., Han, B., Li, J. 2003. Control of Tillering In Rice. *Nature* 422, PP 618–621.
- Lin X, Zhu D, Lin X. 2011. Effects of water management and organic fertilization with SRI crop practices on hybrid rice performance and rhizosphere dynamics. *Paddy Water Environ.*, 9:33–39.
- Maki, M., dan Homma, K. 2014. Empirical Regression Models For Estimating Multiyear Leaf Area Index Of Rice From Several Vegetation Indices At The field Scale. *Remote Sens.* 6, 4764–4779 PP.
- Manoliadis, O.G. 2001. Analysis Of Irrigation System Using Sustainability-Related Criteria. *Journal Of Environmental Quality* 30 : 1150-1153 PP.
- Manurung, S.O dan Ismunadji, M. 1988. Morfologi dan Fisiologi Padi Dalam Padi. Buku 1. Badan Penelitian dan Pengembangan Pertanian. Pusat Penelitian dan Pengembangan Tanaman Pangan. Bogor. 533 hal.
- Masdar. 2007. Elemen Sistem Intensifikasi Yang Optimum Pada Budidaya Padi Sawah. Disertasi. Program Pascasarjana Universitas Andalas. Padang.
- Matsunami, M., Matsunami, T., Kokubun, M. 2009. Growth And Yield Of New Rice For Africa (Nericas) Under Different Ecosystems And Nutrient Levels. *Plant Prod. Sci.* 12, 381–389 PP.
- Matsuo, N., Mochizuki, T. 2009. Growth And Yield Of Six Rice Cultivars Under Three Water-Saving Cultivations. *Plant Prod. Sci.* 12, 514–525 PP.
- Mattjik, A. A., dan Sumertajaya, I, M. 2002. Perancangan Percobaan dengan Aplikasi SAS dan Minitab. Bogor. IPB Press. 276 Hal.
- Meija, M.N., C.A. Madramootoo and R.S., Broughton. 2000. Influence of water table management on corn and soybean yield. *Agricultural water management*. Vol. 46 (1) pp. 73-89.
- Mollard, F.P.O., Striker, G.G., Ploschuk, E.L. & Insausti, P. 2010. Subtle Topographical Differences Along A Floodplain Promote Different Plant Strategies Among *Paspalum Dilatatum* Subspecies And Populations. *Austral Ecology* 35, 189–196 PP.
- Ntanos DA, Koutroubas SD. 2002. Dry Matter And N Accumulation And Translocation For Indica And Japonica Rice Under Mediterranean Conditions. *Field Crops Research* 74, 93 -101 PP.

- Nurlaili. 2010. Optimalisasi Cahaya Matahari Pada Pertanaman Padi (*Oryza sativa L.*) System of Rice Intensification (SRI) Melalui Pendekatan Pengaturan Jarak Tanam. *AgronobiS*, Vol. 3, No. 5. Hal 22 – 27. ISSN: 1979 – 8245X
- Nyamai M, Mati BM, Home PG, Odongo B, Wanjogu R and Thuranira EG. 2012. Improving Land And Water Productivity In Basin Rice Cultivation In Kenya Through System Of Rice Intensification (SRI). *Agric. Eng. Inte. J.*, 14(2): PP 121-142.
- Panda, B. B., Kariali, E., Panigrahi, R., And Mohapatra, P. K. 2009. High Ethylene Production Slackens Seed Filling In Compact-Panicled Rice Cultivar. *Plant Growth Regul.* 58, 141–151 PP.
- Pang J, Ross J, Zhou M, Mendham N, Shabala S. 2007. Amelioration Of Detrimental Effects Of Waterlogging By Foliar Nutrient Spray In Barley. *Funct Plant Biol* 34, 221-227 PP.
- Pasuquin, E., Lafarge, T., Tubana, B., 2008. Transplanting Young Seedlings In Irrigated Rice Fields: Early And High Tiller Production Enhanced Grain Yield. *Field Crops Res.* 105, 141–155 PP.
- Patel, D.P., Das, A., Munda, G.C., Ghosh, P.K., Bordoloi, J.S., Kumar, M., 2010. Evaluation Of Yield And Physiological Attributes Of High-Yielding Rice Varieties Under Aerobic And flood-Irrigated Management Practices In Mid-Hills Ecosystem. *Agric. Water Manag.* 97, 1269–1276 PP.
- Peng, S., Khush, G. S., And Cassman, K. G. 1994. Evaluation Of A Newplant Ideotype For Increased Yield Potential. In “Breaking The Yield Barrier, Proceedings of A Workshop On Rice Yield Potential In Favourable Environments” (K. G. Cassman, Ed.), Pp. 5–20. International Rice Research Institute, Manila, The Philippines.
- Peng, S., Khush, G.S. 2003. Four Decades Of Breeding For Varietal Improvement Of Irrigated Lowland Rice In The International Rice Research Institute. *Plant Prod. Sci.* 6, 157–164 PP.
- Peng, S., Tang, Q., Zou, Y., 2009. Current Status And Challenges Of Rice Production In China. *Plant Prod. Sci.* 12, 3–8 PP
- Pezeshki, S.R. 2001. Wetland plant responses to soil flooding. *Environmental & Experimental Botany* 46, 299–312.
- Pramono, J., S. Basuki dan Widarto. 2005. Upaya Peningkatan Produktivitas Padi Sawah Melalui Pendekatan Pengelolaan Tanaman dan Sumberdaya Terpadu. *Balai Pengkajian Teknologi Pertanian, Agrosains* 7 (1). Jawa Tengah. 1-6 hal.
- Primilestari, S., Edi, S. 2015. Penerapan Teknologi Untuk Meningkatkan Produksi Padi Sawah Pada Lahan Tadah Hujan Kota Jambi. Proseding Seminar Nasional Lahan Suboptimal. Palembang, 9 hal.

- Rahman, SM and Ando H. 2012. Effect Of Mid-Season Drainage On Root Physiological Activities Of Rice. Bang.Res.Publications J, 6(4): PP 403-413.
- Rajput, A., Sujit, S. R., dan Girish, J. 2017. Physiological parameter leaf area index, crop growth rate, relative growth rate, and net assimilation rate of different varieties of rice grown under different planting geometries depths in SRI. International Jorunal. Pure App. Bioscience 5 (1) : 362 – 367 PP.
- Ramesh, K., A.N. Rao., Bhagirath S.C. 2016. Role Of Cropcompetition In Managingweeds In Rice, Wheat, Andmaize In India: A Review. Crop Protection xxx (2016) 1-8. <http://dx.doi.org/10.1016/j.cropro.2016.07.008>
- Rathore, A.L., A.R. Pal, R.K. sahu and J.L. chaudry. 1996. On-Farm Rainwater And Corp Management For Improving Productivity Of Rainfed Areas. Agricultural water management, vol 31 (3) 253-267 PP.
- Regazzoni. O, Sugito. Y, Suryanto, A. 2013. Sistem Irigasi Berselang (Intermittent Irrigation) Pada Budidaya Padi (*Oryza Sativa L.*) Varietas Inpari-13 Dalam Pola SRI (Sistem Of Rice Intensification) Jurnal Produksi Tanaman Vol. 1 No. 2 Mei-2013. ISSN: 2338-3976. 42 -51 hal.
- Riduwan. 2010. Dasar-dasar Statistika. Bandung. Alfabeta. 2010. 273 Hal.
- Rozen, N. 2009. Metoda Penanaman Padi Dengan Sistem SRI. 25 Hal.
- Rozen, N., Aswaldi. A., Etti S. 2007. Penerapan Teknologi SRI Untuk Meningkatkan Pendapatan Petani Padi. Laporan Penelitian Lipi. 23 Hal.
- Saina, T And CIIFAD. 2002. The System Rice Of Inteinsfication. A Collaborate Effort Association Tefy Saina And Ciifad. 36 Hal.
- Sairam, R.K., Kumutha, D., Ezhilmathi K, Deshmukh P.S., Srivastava G.C. 2008. Physiology And Biochemistry Of Waterlogging Tolerance In Plants. Biol Plant 52: 401- 412.
- Saleh. E, Nainggolan. A.F dan Butarbutar L. 2012. Budidaya Padi Di Dalam Polibeg Dengan Irigasi Bertekanan Untuk Antisipasi Pesatnya Perubahan Fungsi Lahan Sawah. Jurnal Teknotan Vol. 6. No. 1, Januari 2012. Issn 1978-1 067.
- Sanchez, A. 1993. Sifat dan Pengelolaan Tanah Tropika Jilid 2. Bandung: Institut Teknologi Bandung. 303 hal.
- Sarieff, D.. 2004. Pengaruk Waktu Penggenangan Terhadap Pertumbuhan Dan Produksi Padi Gogo Rancah Varietas Dodokan Dilahan Tadah Hujan. Jurnal Balitbangda Provinsi Jambi. Vol. 5 no.3.

- Sauki. A, Nugroho. A, Soelistyono. R. 2014. Pengaruh Jarak Tanam Dan Watu Penggenangan Pada Metode SRI (System Of Rice Intensification) Terhadap Hasil Dan Pertumbuhan Tanaman Padi (*Oryza sativa. L.*). Jurnal Produksi Tanaman Pangan Volume 2 Nomor 2 Maret 2014. Hlm 121-127.
- Seago, J.L., Marsh, L.C., Stevens, K.J., Soukup, A., Vortubová, O. & Enstone, D.E. 2005. Are—Examination Of The Root Cortex In Wetland Flowering Plants With Respect To Aerenchyma. Annals of Botany 96, 565–579 PP.
- Setiyono, T.D., Weiss, A., Specht, K.G., Dovernmann, A., 2008. Leaf Area Index Simulation In Soybean Grown Under Near-Optimal Conditions. Field Crops Res.108, 82–92 PP.
- Setyorini, D. dan S. Abdulrachman. 2009. Pengelolaan Hara Mineral Tanaman Padi. Balai Besar Penelitian Tanaman Padi. Pp 109-148.
- Shahruddin S, Puteh A, Juraimi S. 2014. Responses Of Source And Sink Manipulations On Yield Of Selected Rice (*Oryza Sativa L.*) Varieties. J Adv Agric Tech 1:125e31.
- Sheehy, J.E., Dionora, M.J.A., Mitchell, P.L. 2001. Spikelet Numbers,Sink Size And Potential Yield In Rice. Field Crops Res. 71, PP 77–85.
- Shi Q H, Xu Y Q, Zhang P L, Zen X J, Zhong X H, Pan X H. 1995. Effects Of N Uptake On The Sink And Source Of Indica-Japonica F1 Hybrids In Rice. Hybrid Rice, 4, PP 19–22. (in Chinese)
- Sirappa. M. P. 2011. Kajian Perbaikan Teknologi Budidaya Padi Melalui Penggunaan Varietas Unggul Dan Sistem Tanam Jajar Legowo Dalam Meningkatkan Produktifitas Padi Mendukung Swasembada Pangan. Jurnal Budidaya Pertanian Vol. 7 No. 2. Hal 79-86.
- Smethurst, C.,F., Garnet, T., Shabala, S. 2005. Nutrition and chlorophyll fluorescence responses of lucerne (*Medicago sativa*) to waterlogging subsequent recovery. Plant Soil, 270(1–2): 31-45 PP.
- Stoop W, Uphoff N, Kassam A. 2002. A Review of Agricultural Research Issues Raised By The System of Rice Intensification (SRI) From Madagascar: Opportunities For Improving Farming Systems For Resource-Poor Farmers. Agric Syst 71: PP 249–274.
- Striker, G.G., Insausti, P., Grimoldi, A.A., Ploschuk, E.L. & Vasellati, V. 2005. Physiological and Anatomical Basis Of Differential Tolerance To Soil Flooding Of Lotus Corniculatus L. And Lotus Glaber Mill. Plant & Soil 276, PP 301–311.

- Stuerz, S., Sow, A., Muller, B., Manneh, B., dan Asch, F. 2014. Yield Components In Response To Thermal Environment And Irrigation System In Lowland Rice In The Sahel. *Field Crop* xxx (2014) xxx <http://dx.doi.org/10.1016/j.fcr.2014.04.004>.
- Sugeng, H., 2001. Bercocok Tanam Padi. Aneka Ilmu. Semarang.
- Sumardi. 2010. Produktivitas Padi Sawah Pada Kepadatan Populasi Berbeda. *Jurnal ilmu-ilmu Pertanian Indonesia*. 12 (1): 49-54 PP.
- Surowinoto, S. 1980. Teknologi Produksi Tanaman Padi Sawah. Jurusan Agronomi. Fakultas Pertanian IPB. Bogor. 78 hal.
- Sutanto, S. 2008. Strategi Pengendalian Alih Fungsi Lahan Beririgasi: Studi Kasus Kabupaten Banyumas. Prosiding Seminar Nasional Teknik Pertanian 2008 Yogyakarta, 18-19 November 2008. 21 hal.
- Tadesse T.F., Nigussie-Dechassa R., Wondimu B., Setegn G. 2013 Impact of rainwater management on growth and yield of rainfed lowland rice. *Wudpecker Journal of Agricultural Research* Vol. 2(4), pp. 108 – 114.
- Tao L., Wang X., and Min S. 2002. Physiological Effect Of SRI Methods On The Rice Plant. China National Rice Research Institute Hangzhou. Research Report China. PP. 132 -136
- Terashima. I., dan Hikosaka,. 1995. Comparative Ecophysiology Of Leaf And Canopy Photosynthesis. *Plant Cell Environment* (1995). 1111-1128 PP.
- Thakur, A.K., Rajeeb K. M., Dhiraj U. P., Ashwani K. 2014. Impact of water management on yield and water productivity with system of rice intensification (SRI) and conventional transplanting system in rice. *Paddy and Water Environment*. October 2014, Volume 12, Issue 4, pp 413–424
- Uphoff, N. 2002. Presentation For C On Raising Agricultural Productivity In The Tropics. *Biophysical Challenges For Technology And Policy: The Sistem Of Rice Intensification Developed In Madagaskar*, 8 hal
- Utama, M.Z.H., Haryoko, W., Munir, R., Sunadi. 2009. Penapisan varietas padi toleran salinitas pada lahan rawa dikabupaten pesisir selatan. *Jurnal agronomi inodonesi* 37 (2). Hal 101-106
- Wang, F., Chang, F., And Zhang, G. 2008. Impact Of Cultivar Variation In Density Of Rice Panicle On Grain Weight And Quality. *J. Sci. Food Agric.* 88, 897–903 PP.
- Wangiyana, W, Sabariah, B, Farida, N. 2011. Peningkatan Dua Varietas Padi (*Oryza sativa. L*) Sistem Gogo-Rancah Dan SRI (System Of Rice Intensification) Dengan Mempercepat Mulainya Penggenangan. *Jurnal Agroteksos* Vol 21 No 2-3 Desember 2011. Hal. 129-136.

- Weiss, M., F. Baretb, G.J. Smithc, I. Jonckheered, P. Coppind. 2004. Review of methods for in situ leaf area index (LAI) determination: Part II. Estimation of LAI, errors and sampling. *Agricultural and Forest Meteorology*. Volume 121, Issues 1–2, 20 January 2004, Pages 37–53
- Yang, J., Peng, S., Zhang, Z., Wang, Z., Visperas, R. M., And Zhu, Q. 2002. Grain And Dry Matter Yields And Partitioning Of Assimilate In Japonica/Indica Hybrid Rice. *Crop Sci.* 42, 766–772 PP.
- Yao, Y., Yamamoto, Y., Yoshida, T., Nitta, Y., dan Miyazaki, A. 2000. Response Of Differentiated And Degenerated Spikelets To Top-Dressing, Shading, And Day/Night Temperature Treatments In Rice Cultivars With Large Panicles. *Soil Sci. Plant Nutr.* 46, 631–641 PP.
- Yoshida, H., Horie, T., Katsura, K., Shirawa, T., 2007. A Model Explaining Genotypic And Environmental Variation In Leaf Area Development Of Rice Based On Biomass Growth And Leaf N Accumulation. *Field Crops Res.* 102, 228–238 PP.
- Yoshida, H., Horie, T., Shiraiwa, T., 2006. A Model Explaining Genotypic And Environmental Variation Of Rice Spikelet Number Per Unit Area Measured By Cross-Locational Experiments In Asia. *Field Crops Res.* 97, 337–343 PP.
- Yoshida, S. 1972. Physiological aspects of grain yield *Ann.Rev. Plant Physiol.* 23. 437–464 PP.
- Yoshida, S. 1981. Fundamental Of Rice Crop Science. IRRI. Los Banos, Laguna, Philippines. 269 P.
- Yoshida, S., Parao, F.T., 1976. Climatic Influence On Yield And Yield Components Of Lowland Rice In The Tropics. *Climate And Rice*. International Rice Research Institute, Los Banos, Philippines, pp. 471–491.
- Yuan L P. 1997. Hybrid rice breeding for super high yield. *Hybrid Rice*, 12, 1–4. (in Chinese).
- Yunizar dan A. Jamil 2012. Pengaruh Sistem Tanam dan Macam Bahan Organik Terhadap Pertumbuhan dan Hasil Padi Sawah Di Daerah Kuala Cinaku, Kabupaten Indragiri Hulu Riau. Prosiding Seminar Nasional Hasil Penelitian Padi. Balai Besar Penelitian Padi. Badan Litbang Pertanian. Buku 3. 999 -1008 hal.
- Zhang Z, Chen J, Lin S, Li Z, Cheng R, Fang C, Chen H, Lin W. 2012. Proteomic and phosphoproteomic determination of ABA's effects on grain-filling of *Oryza sativa* L. inferior spikelets. *Plant Science*, 185, 259–273 PP.
- Zhang, B., dan Yamagishi, J. 2010. Response Of Spikelet Number Per Panicle In Rice Cultivars To Three Transplanting Densities. *Plant Prod. Sci.* 13, 279–288 PP.

Zhang, Y.J, Zhou Y.R, Du B, Yang J.C. 2008. Effects of nitrogen nutrition on grain yield of upland and paddy rice under different cultivation methods. *Acta Agronomica Sinica* 6, 1005-1013 PP. [http://dx.doi.org/10.1016/S1875-2780\(08\)60038-3](http://dx.doi.org/10.1016/S1875-2780(08)60038-3)

Zhao BH, Wang P, Zhang H, Zhu Q, Yang J. 2006. Source-sink and grain filling characteristics of two line hybrid rice Yangliangyou 6. *Rice Sci* 13:34-42 PP.

Zhong, X., Peng, S., Sanico, A.L., Liu, H., 2002. Quantifying The Interactive Effect Of Leaf Nitrogen And Leaf Area On Tillering Of Rice. *J. Plant Nutr.* 26, 1203–1222 PP.

