

DAFTAR PUSTAKA

- Amelia, R., 2010. *Pengaruh Ekstrak Kompos Limbah Buah Kakao dan Pemupukan P Terhadap Al Monomerik dalam Tanah dan Serapan P oleh Jagung pada Oxic Dystrudepts*. Tesis. Program Pascasarjana Fakultas Pertanian Universitas Gadjah Mada. Yogyakarta.
- Amnal, 2009. *Respon Fisiologi Beberapa Varietas Padi Terhadap Cekaman Besi*. Tesis. Sekolah Pascasarjana institut Pertanian Bogor, Bogor.
- Ar-Riza, I., 2011. *Merubah Rawa Lebak Jadi Lumbung Pangan*. Sinar Tani No. 3400 tahun KLI, edisi 6-12 April 2011, hal. 13-14.
- Audebert, A. 2006, *Diagnosis of Risk and Approaches to Iron Toxicity Management in Lowland Rice Farming*. Africa Rice Center (WARDA).
- Balai Penelitian Tanah, 2009. *Analisis Kimia Tanah, Tanaman, Air dan Pupuk*. Petunjuk teknis edisi 2. Balai Penelitian Tanah, Bogor.
- Becker, M. & F. Ash, 2005. *Iron Toxicity in Rice: Conditions and Management Concepts*. J. plant Nutr. Soil Sci. 168 : 558 – 573.
- BPS, 2011. *Kabupaten Poso Dalam Angka 2011*. BPS Kabupaten Poso bekerjasama dengan Bappeda Kabupaten Poso.
- BPS, 2015a. *Sulawesi Tengah dalam angka 2015*. BPS Provinsi Sulawesi Tengah.
- BPS, 2015b. *Kabupaten Poso dalam angka 2015*. BPS Kabupaten Poso.
- BPS, 2016. *Statistik Indonesia 2016*. <http://www.bps.go.id>. Diunduh tanggal 6 Juli 2016.
- Chiangmai, P.N. & P. Yodminkwan, 2011. *Competition of root and shoot growth between cultivated rice (Oryza sativa L.) and common wild rice (Oryza rufipogon Griff.)*. Songklanakarin J. Sci. technol. 33(6):685-692.
- Citraresmini, A., I. Anas & Nurmayulis, 2013. *The use of ³²P method to evaluate the growth of lowland rice cultivated in system of rice intensification (SRI)*. Atom Indonesia, 39(2):88-94.
- Dada, O.A. & J.A. Aminu, 2013. *The performance of lowland rice (Oryza sativa L.) cultivar on iron toxic soil augmented with compost*. Journal of Stress Physiology and Biochemistry. 9(4):207-218.
- Darmawan, J. & J.S. Baharsjah, 2010. *Dasar-dasar Ilmu Fisiologi Tanaman*. SITC. Jakarta.
- de Datta, S.K., 1978. *Fertilizer Management for Efficient Use in Wetland Rice Soils in International Rice Research Institute*. *Soils and Rice*. Los Banos, Laguna, Philippines. p 671-702.
- de Datta, S.K., 1981. *Principles and Practices of Rice Production*. John Wiley and Sons. New York.
- Devnita, R., A. Yuniarti & R. Hudaya, 2005. *Penggunaan metode selective dissolution dan spektroskopi infra merah dalam menentukan kadar alofan*. Laporan penelitian. Fakultas Pertanian. Universitas Padjajaran. Bandung.
- Djaenuddin, D., Basuni, S. Hardjowigeno, H. Subagyo, M. Sukardi, Ismangun, Marsudi ds., N. Suharta, L. Hakim, widagdo, J. Dai, V. Suwandi, S. Bachri & E.R. Jordens, 1994. *Kesesuaian Lahan untuk Tanaman Pertanian dan*

Tanaman Kehutanan (Land Suitability for Agriculture and Silvicultural Plants). Second Land Resource Evaluation and Planning Project. ADB LOAN No. 1099 INO. Part C. Strengthening Soil Resources Mapping. Center for Soil and Agroclimate Research, Bogor.

- Djamhari, S., 2009. *Penerapan Teknologi Pengelolaan Air di Rawa Lebak sebagai Usaha Peningkatan Indeks Tanam di Kabupaten Muara Enim*. J. Hidrosfir Indonesia. Vol. 4 (1) : 23-29.
- Dobermann, A. & T.H. Fairhurst, 2000. *Rice: Nutrient Disorders & Nutrient Management*. Potash & Phosphate Institute (PPI), Potash & Phosphate, Institute of Canada (PPIC) & International Rice Research Institute (IRRI).
- Edmeades, D.C. & A.M. Ridley, 2003. *Using lime to ameliorate topsoil and subsoil acidity*. In Handbook of soil acidity (Editor Z. Rengel). Marcel Dekker, Inc. New York. P. 297-336.
- Ethan, S., A.C. Odunze, S.T. Abu & E.N.O. Iwuafor, 2011. *Effect of Water Management and Nitrogen Rates on Iron Concentration and Yield in Lowland Rice*. Agric. Boil. J. N. Am. 2(4):622-629.
- Ethan, S., A.C. Odunze, S.T. Abu & E.N.O. Iwuafor, 2012. *Field water management and N-rates to save water and control iron toxicity in lowland rice*. Academic research international, 3(2):184-201. www.journals.savap.org.pk.
- Eusterhues, K., A. Hädrich, J. Neldhardt, K.. Küsel, T.F. Keller, K.D.. Jandt & K.U. Totsche, 2014. *Reduction of ferrihydrite with adsorbed and coprecipitated organik matter: microbial reduction by Geobacter bremensis vs abiotic reduction by Na-dithionite*. Biogeosciences, 11:4953 – 4966.
- Fageria, N.K. & V.C. Baliger, 2008. *Amelioration soil acidity of tropical Oxisols by liming for sustainable crop production*. In Advances in agronomy, vol. 99 (Ed. D.L. Sparks). Academic Press. P 345-399.
- Fagi, A.M. & I. Las, 1988. *Lingkungan Tumbuh Padi*. Padi. Buku 1. Badan Penelitian dan Pengembangan Pertanian, Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor. hal. 167 – 213.
- Fahmi, A., 2008. *Pengaruh Pemberian Bahan Organik Jerami Padi Terhadap Kehilangan Fosfat dan Ferro di Tanah Sulfat Masam*. Tesis. Program Psacasarana Fakultas Pertanian Universitas Gadjah Mada. Yogyakarta.
- Fairhurst, T., A. Dobermann, C. Quijano-Guerta & V. Balasubramanian, 2002. *Mineral Deficiencies and Toxicities*. In: T. Fairhurst & C. Witt (eds). Rice, a Practical Guide to Nutrient Management. Potash & Phosphat Institute (PPI). Potash & Phosphat Intitute of Canada (PPIC) and IRRI.
- Fairhurst, Th., Christian, Witt, R. Buresh, & A. Dobermann, 2007. *Padi: Panduan Praktis Pengelolaan Hara*. (terjemahan Adi Widjono). IRRI, IPNI dan IPI.
- Gao, S., K.K. Tanji & S.C. Scardaci, 2003. *Incorporating Straw may Induce Sulfide Toxicity in Paddy Rice*. California Agriculture, Vol. 57(2): 55-59.
- Garnett, L., J. Condon, C.M. Khoi & B. MacDonald, 2015. *Phosphorus fertilizer requirements of the rice under alternate wetting and drying irrigation in the Vietnamese Mekong Delta*. In Building productive, diverse and sustainable landscapes. Proc. Of the 17th ASA Conf., 20-24 September 2015, Hobart, Australia.
- Goldschmidt, V.M., 1958. *Geochemistry*. Oxford University Press. London.

- Goswami, N.N. & N.K. Banerjee, 1978. *Phosphorus, Potassium, and Other Macroelements in International Rice Research Institute. Soils and Rice*. Los Banos, Laguna, Philippines. p 561-580.
- Gunawardena, I., S.S. Virmani & F.J. Sumo, 1982. *Breeding Rice for Tolerance to Iron Toxicity*. *Oryza* 19(1):5-12.
- Hakim, N., Agutian & Y. Mala, 2012. *Application of organik matter fertilizer Tithonia plus to control iron toxicity and reduce commercial fertilizer application on new paddy field*. *J. Trop. Soils*. 17 (2):135-142.
- Hanafiah, K.A., 2010. *Dasar-dasar Ilmu Tanah*. PT Rajagrafindo Persada. Jakarta.
- Harahap, S.M., M. Ghulamahdi, S.A. Azis, A. Sutandi & Miftahudin, 2014. *Relationship of ethylene production and aerenchyme formation on oxidation ability and root surfaced-iron (Fe²⁺) accumulation under different iron concentrations and rice genotypes*. *Int. J. App. Sci. Techn.* 4(1):186-194.
- Hardjowigeno, S., & M.L. Rayes, 2005. *Tanah Sawah: Karakteristik, Kondisi dan Permasalahan Tanah Sawah di Indonesia*. Bayumedia. Malang.
- Hasan, D.H., S. Darman, A. Zain, & Isrun, 2007. *Laporan Penelitian Degradasi Kawasan Danau Poso*. Pusat Penelitian Lingkungan Hidup Untad. Palu.
- Hasanuzzaman, M., M.H. Ali, M.F. Karim, S.M. Masum & J.A. Mahmud, 2012. *Response of hybrid rice to different level of nitrogen and phosphorus*. *Intl. Res. J. Appl. Basic Sci.* 3(12):2522-2528.
- Hasegawa, H., M.M. Rahman, K. Kadohashi, M.A. Rahman, Y. Takasugi, Y. Tale & T. Maki, 2012. *Significance of the concentration of chelating logand on Fe³⁺ solubility, bioavailability, and uptake in rice plant*. *J. Plant Physiology and Biochemistry*, 58:205-211.
- Havlin, J.L., J.D. Beaton, S.L. Nelson & W.L. Nelson, 2005. *Soil Fertility and Fertilizers: an Introduction to Nutrient Management*. Pearson Prentice Hall. New Jersey.
- Holah, Sh.Sh., S.T. Abou Zeid, H.S. Siam & M.A. Hadi. 2015. *Effect of waterlogging and organik matter addition on water soluble Si, pH, Eh values*. *Intl. J. Chem. Tech. Res.*, 8(4):1557-1562.
- Hong, 1977. *Peningkatan penggunaan pupuk nitrogen pada tanah sawah*. Makalah pada Kongres Nasional Ilmu Tanah II di Yogyakarta tanggal 1-4 Agustus 1977.
- Hong, 1995. *Prospek bioteknologi tanah*. Makalah seminar di Universitas Sintuwu Maroso Poso tanggal 8 April 1995.
- Huang, L-M., G-L. Zhang, A. Thompson & D.G. Rositer, 2013. *Pedogenic transformation of phosphorus during paddy soil development on calcareous and acid parent materials*. *Soil Sci. Sos. Am. J.* 77:2078-2088.
- ILACO B.V., 1981. *Agricultural Compendium: for Rural Development in the Tropics and Subtropics*. Elsevier Scientific Publishing Company. Amsterdam.
- Imanudin, M.S. & E. Armanto, 2012. *Effect of water management improvement on soil nutrient content, iron and aluminium solubility tidal lowland area*. *APCBEE Procedia* 4:253-258.
- Indradewa, D., A. Maas, M. Noor & I. Khairullah, 2010. *Evaluasi Ketahanan Padi Sawah Terhadap Keracunan Besi (< 500 ppm) melalui Pemupukan Organik*

(10 t ha⁻¹) untuk Mencapai Hasil Tinggi (> 6 t ha⁻¹) di Lahan Sulfat Masam Pasang Surut. Laporan akhir Hasil Kegiatan. LPPM UGM bekerjasama dengan Badan Penelitian dan Pengembangan Pertanian.

- Irwan, S. & S. Labalado, 2012. *Laporan Hasil Pelaksanaan Pendampingan SL-PTT Padi, Jagung dan Kedelai di Kabupaten Poso, Sulteng Tahun 2012*. Tidak dipublikasikan.
- Ishizuka, Y., 1965. *Nutrient Uptake at Different Stages of Growth in the Mineral Nutrition of the Rice Plant*. Proceedings of a symposium at the International Rice Research Institute. Johns Hopkins Press, Baltimore, Maryland. P 199-217.
- Ismunadji, M., 1990. *Alleviating iron toxicity in lowland rice*. J. IARD (12):67-72
- Ismunadji, M., L.N. Hakim, I. Zulkarnain & F. Yasawa, 1973. *Physiological disease of Rice in Cihea*. Contr. Cent. Res. Inst. Agric. Pusat Penelitian dan Pengembangan Tanaman Pangan Bogor. 4:10
- Ismunadji, M. & W. Dijkshoorn, 1971. *Nitrogen Nutrition of Rice Plants Measured by Growth and Nutrient Content in Pot Experiment*. Ionic Balance and Selective Uptake. Neth. J. Agric. Sci. 19:223-236.
- Isroi, 2007. *Pengomposan Limbah Kakao*. Makalah Pelatihan TOT Budidaya Kopi dan Kakao Staf BPTP di Pusat Pelatihan Kopi dan Kakao, Jember, 25-30 Juni 2007.
- Jahan, M.S., Y.M. Khanif, S.R. Syed Omar & O.R. Sinniah, 2013. Effect of low water input in rice yield: Fe and Mn bioavailability in soil. *Pertanika J. Trop. Agric. Sci.* 36(1):27-34.
- Jahan, N., N. Fauzi, M.A. Javed, S. Khan & S.Z. Hanapi, 2016. *Effect of ferrous toxicity on seedling traits and ion distribution pattern in upland and lowland rice under hydroponic conditions*. J. Tech. (Sciences and engineering), 78(1-2):39-43.
- Jones Jr., J.B., 1998. *Plant nutrition manual*. CRC Press. Boca Raton.
- Jones Jr., J.B., 2003. *Agronomic handbook: management of crops, soils, and their fertility*. CRC Press. Boca Raton.
- Kannan, V.M., T. Augustine, N. Cherian & M. Mohan, 2014. *Geochemistry and heavy metals in the soil of unique tropical rice agricultural ecosystem*. J. Environment 03(01):5-11.
- Khairullah, I., 2012. *Gatra Fisiologis dan Agronomis Pengaruh Pengendalian Keracunan Besi Padi Sawah di Lahan Rawa Pasang Surut Sulfat Masam*. Disertasi. Program Pascasarjana Fakultas Pertanian Universitas Gadjah Mada. Yogyakarta.
- Kim, J., & D.C. Rees, 1992. *Structural Models for the Metal centers in the Nitrogenase Molybdenum-Iron Protein*. Science 257:1677-1682.
- Kirk, G.J.D., 2004. *The Biochemistry of Submerged Soils*. Chichester, UK: John Wiley & Sons, 291 p.
- Kumar, A., R.N. Meena, L. Yadav & V.K. Gelotia, 2014. *Effect of organik and inorganik sources of nutrient on yield, yield attributes and nutrient uptake of rice CV.PRH-10*. The Bioscan 9(2):595-597.

- Kyuma, K., 2004. *Paddy Soil Science*. Kyoto University Press and Trans Pacific Press. Melbourne, Australia.
- Landon, J.R., 1984. *Booker Tropical Soil Manual: a Handbook for Soil Survey and Agricultural Land Evaluation in the Tropics and Subtropics*. Booker Agriculture International Limited. New York.
- Lindsay, W.L., 1979. *Chemical Equilibria in Soil*. John Wiley & Sons, Inc. Toronto. 449 hal.
- Lovley, D.R., 1991. *Dissimilatory Fe(III) and Mn(IV) Reduction*. Microbiological review. Vol. 55(2) : 259-287.
- Maas, A., 2011. *Teknologi Antisipasi Cekaman Abiotik Budidaya Padi*. Makalah Seminar Nasional BB Padi, Balitabang Prtanian, Sukamandi.
- Manurung, S.O. & M. Ismunadji, 1988. *Morfologi dan Fisiologi Padi*. Padi, buku 1. Badan Penelitian dan Pengembangan Pertanian Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor. Hal. 55-102.
- Marschner, P., 1997. *Mineral Nutrition of Higher Plants*. 2nd ed. Academic Press, Elsevier Ltd. Singapore.
- Marschner, P., 2012. *Mineral Nutrition of Higher Plants*. 3th ed. Academic Press, Elsevier Ltd. Singapore.
- Masajo, T.M., K.Alluri, A.O. Abifarin & D. Jankiram, 1986. *Breeding for High and Stable Yields in Africa*. In: the Wetlands and Rice in Sub-Saharan Africa. ASR Juo and JA Lowe (Eds.) Ibadan, Nigeria. Int. Inst. Of Trop. Agric. P 107-114.
- Mastika, I.M., 2011. *Potensi Limbah Pertanian dan Industri Pertanian untuk Makanan Ternak*. Udayana University Press. Denpasar, Bali.
- Matsuo, T., K. Kumazawa, R. Ishii, K. Ishihara & H. Hirata, 1995a. *Science of the Rice Plant*. Vol.1. *Morphology*. Ministry of Agriculture, Forestry and Fisheries, Japan.
- Matsuo, T., K. Kumazawa, R. Ishii, K. Ishihara & H. Hirata, 1995b. *Science of the Rice Plant*. Vol.2. *Physiology*. Ministry of Agriculture, Forestry and Fisheries, Japan.
- Mengel, K. & E.A. Kirckby, 1987. *Principles of Plant Nutrition*. 4th Ed. International Potash Institute. Switzerland.
- Mia, M.A.B., 2015. *Nutrition of Crop Plants*. Plant science research and practices. Nova Publishers. New York.
- Moazed, H., Y. Hoseini, A.A. Naseri & F. Abbasi, 2010. *Determining phosphorus adsorption isotherm in soil and its relation to soil characteristic*. J. Food Agric. Envir., 8(2):1153-1157.
- Moormann, F.R. & van Breemen, 1978. *Rice: Soil, Water, Land*. IRRI, Los Banos, Laguna, Philippines.
- Mowidu, I., 1990. *Pengaruh Pemupukan N, P, K dan S Terhadap Pertumbuhan dan Produksi Padi (Oryza sativa L.) di Desa Korobono Kecamatan Pamona Selatan*. Skripsi. Jurusan Budidaya Pertanian Fakultas Pertanian Universitas Tadulako, Palu.

- Mowidu, I., Bambang H. Sunarminto, Benito H. Purwanto & Sri Nuryani H.U., 2015. *Kadar Fe Total pada Tanah Sawah Rawa Lebak di Kabupaten Poso*. Jurnal Agropet. vol. 12 (1):1-5.
- Munawar, A., 2011. *Kesuburan Tanah dan Nutrisi Tanaman*. IPB Press. Bogor.
- Murthy, R.K., H.R. Raveendra & T.B.M. Reddy, 2010. *Effect of chromolaena and parthenium as green manure and their compost on yield, uptake and nutrient use efficiency on typic Paleustalf*. EJBS 4(1):41-45.
- Murumkar, S.B., G.R. Pawar & M.D. Naiknaware, 2015. *Effect of different sources and solubility of phosphorus on growth, yield and quality of kharif rice (Oryza sativa L.)*. Intl. J. trop. Agric., 33(2):245-249.
- Myint, A.K., T. Yamakawa, Y. Kajihara & T. Zenmyo, 2010. *Application of different organik and mineral fertilizers on the growth, yield and nutrient accumulation of rice in a Japanese ordinary paddy field*. Sci. World J., 5(2):47-54.
- Naguno, T., S. Tajima, S. Chikushi & A. Yamashita, 2013. *Phosphorus balance and soil phosphorus status in paddy ruce field with various fertilizer practices*. Plant Prod. Sci., 16(1) 69-76.
- Nawaz, M.F., G. Bourie, S. Gul, F. Trolard, J.C. Mouret & M.A. Tanvir, 2014. *Effect of post harvest management practices on the stability of iron minerals in rice culture*. Pak. J. agric. Sci., 51(4):861-866.
- Negara, A & Munawir (2013). *Studi Pemanfaatan Lahan Sawah Keracunan Zat Besi yang Terintegrasi dengan Sapi di Kabupaten Poso*. Laporan penelitian tahap akhir. BPTP Sulteng.
- Noor, M., 2007. *Rawa Lebak: Ekologi, Pemanfaatan dan Pengembangannya*. PT Rajagrafindo Persada. Jakarta.
- Noor, A., I. Lubis, M. Ghulamahdi, M.A. Chozin, Kh. Anwar & D. Wirnas, 2012. *Pengaruh Konsentrasi Fe dalam Larutan Hara Terhadap Gejala Keracunan Fe dan Pertumbuhan Tanaman Padi*. J. Agron. Indonesia 40(2):91-98.
- Nursyamsi, D. & M.E. Suryadi, 2000. *Pengaruh Drainase Terputus dan Pemupukan Terhadap pH, Eh, Fe dan Mn Pada Sawah Baru di Ultisol Bandar Abung (Lampung) dan Tapin (Kalsel)*. Jurnal Ilmu Tanah dan Lingkungan. Vol 3 (2): 8-17.
- Olumo, M.O., G.J. Raczand & C.M. Cho, 1973. *Effect of Flooding on the Eh, pH, and concentrations of Fe and Mn in Several Manitoba Soils*. Soil Sci. Soc. Am. Proc. 37:220-224.
- Ottow, J.C.G., G. Benckiser & I. Watanabe, 1982. *Iron Toxicity of Rice as a Multiple Nutrition Soil Stress*. In: Proc. of Symposium on Tropical Agriculture Research. Trop. Agric. Res. Series No. 15. Trop.1 Agric. Res. Centre. Ministry of Agric. Forestry and Fisheries, Japan, p. 167-179.
- Pati, R. & D. Mukhopadhyay, 2010. *Forms of soil acidity and the distribution of DTPA-extractable micronutrients in some soils of West Bengal (India)*. 19th world congress of soil science, Soil solution for a changing world. 1-6 August 2010. Brisbane, Australia.
- Patnaik, S., 1978. *Natural Sources of Nutrients in Rice Soils* in International Rice Research Institute. *Soils and Rice*. Los Banos, Laguna, Philippines. p 501-520.

- Patrick, W.H. & C.N. Reddy, 1978. *Chemical Change in Rice Soils* in International Rice Research Institute. *Soils and Rice*. Los Banos, Laguna, Philippines. p 361- 380.
- Ponnamperuma, F.N., 1965. *Dynamic Aspects of Flooded Soils and the Nutrition of the Rice Plant*. Pages 295-328 in International Rice Research Institute. The mineral nutrition of the rice plant. Proc. Of symposium at the International Rice Research Institute, February, 1964. The Johns Hopkins Press, Baltimore, Maryland.
- Ponnamperuma, F.N., 1972. *The Chemistry of Submerged Soils*. Advance in Agronomy. Academic Press, Inc. Vol. 24 : 29-96.
- Ponnamperuma, F.N., 1977. *Behavior of Minor Elements in Paddy Soils*. IRRI Research Paper Series. IRPS No. 8 May, 1977. The International Rice Research Institute. Manila, Philippines.
- Ponnamperuma, F.N., 1994. *Evaluation and Improvement of Lands for Wetland Rice Production*. P 3-19. In: Senandhira, D. (ed.). Rice and Problem Soils in South and Southeast Asia. IRRI Discussion Paper Series No. 4. IRRI, Manila, the Philippines.
- Ponnamperuma, F.N., E.M. Tianco & T. Loy, 1967. *Redox Equilibria in Flooded Soils: the Iron Hydroxides Systems*. Soil Sci. 103:374-382.
- Prakash, M.B., M.S. Reddy, E. Aruna & P. Kavitha, 2013. *Effect of nitrogen and phosphorus level on growth parameter, yield parameter, yield, nutrient uptake and economic of rice (Oryza sativa)*. Crop Res. 45(1, 2 & 3):33-38.
- Prasad R., & J.F. Power, 1977. *Soil Fertility Management for Sustainable Agriculture*. CRC Lesi Publisher. New York.
- Purwanto, B.H. & K.D. Sasmita, 2010. *Panduan Analisis Kimia Tanah*. Jurusan Tanah Fakultas Pertanian Universitas Gadjah Mada, Yogyakarta.
- Rachim, Dj. A., & M. Arifin, 2011. *Klasifikasi Tanah di Indonesia*. Pustakan Reka Cipta. Bandung.
- Rahmayanti, B., 2012. *Biologi Tumbuhan Lahan Basah*. Blogspot.com. Diposkan pada September 2012. Diunduh pada tanggal 12 Januari 2013 pukul 07.23.
- Reddy, K.R. & R.D. Delaune, 2008. *Biogeochemistry of Wetlands: Science and Applications*. CRC Press.
- Rengel, Z., 2015. *Availability of Mn, Zn and Fe in the rhizosphere*. Review. J. Soil Sci. Plant Nutr., 15(2) 397-409.
- Rodkoly, R.Y., H. Khalilov & F. Sultanzade, 2015. *Study of critical density of phosphorus and its various forms in the rice field soil Gilan cities*. Intl. J. Geol. Agric. Environ. Sci., 3(5):6-13.
- Rosmarkam, A. & N.W. Yuwono, 2002. *Ilmu Kesuburan Tanah*. Kanisius. Yogyakarta.
- Rout, G.R. & S. Sahoo, 2015. *Role of iron in plant growth and metabolism*. Review in Agrigulture Sci. 3:1-24.
- Rout, G.R., S. sahuo, A.B. Das & S.R. Das, 2014. *Screening of iron toxicity in rice genotypes on the basis of morphological, physiological and biochemical analysis*. J. Exp. Biol. Agric. Sci. 2(6):567-582.

- Sabaruddin, L., 2012. *Agroklimatologi: Aspek-aspek Klimatik untuk sistem Budidaya Tanaman*. Alfabeta, Bandung.
- Sahrawat, K.L., 2000. *Elemental composition of the Rice Plant as affected by Iron Toxicity under Field Condition*. Commun. Soil Sci. Plant Anal. 31 (17/18):2819-2827.
- Sahrawat, K.L., 2004. *Iron Toxicity in Wetland Rice and the Role of Other Nutrient*. J. Plant Nutr. 27:1471-1504.
- Sahrawat, K.L., 2012. *Soil fertility in flooded and non-flooded irrigated systems*. ICRISAT., 58(4):423-436.
- Saikia, T. & K.K. Baruah, 2012. *Iron toxicity tolerance in rice (Oryza sativa) and its association with anti-oxidative enzyme activity*. J. Crop Sci. 3(3):90-94.
- Samaranayake, P., B.D. Peiris & S Dssanayake, 2012. *Effect of excessive ferrous (Fe²⁺) on growth and iron content in rice (Oryza sativa)*. Intl. J. Agric. Biol. 14(2):296-298.
- Sanchez, P.A., 1976. *Properties and Management of Soils in the Tropics*. John Wiley & Sons, New York.
- Sanchez, P.A., 2007. *Phosphorus*. In *Handbook of Plant Nutrition*. Edited by A.V. Barker and D.J. Pilbeam. CRC Press. Taylor & Francis Group, Boca Raton.p 51-90.
- Sanjivkumar, V. & P. Malarvizhi, 2014. *Differential response of phosphorus utilization efficiency in rice by tracer technique using phosphorus-32 under phosphorus stress environment*. J. Appl. Nat. Sci. 6(2):362-365.
- Soil Survey Staff, 2010. *Keys to Soil Taxonomy*. 11th Ed. United States Department of Agriculture, Natural Resources Conservation Service. P 31-34; 161-162.
- Sparks, D.L., 2003. *Environmental Soil Chemistry*. 2nd Ed. Academic Press. Amsterdam.
- Sudirja, R., M.A. Solihin & S. Rosniawaty, 2005. *Pengaruh Kompos Kulit Buah Kakao dan Kascing Terhadap Perbaikan Beberapa Sifat Kimia Fluventic Eutrudepts*. Laporan penelitian. Lembaga Penelitian universitas Padjadjaran. Bandung.
- Sugiyanta, 2007. *Peran jerami dan pupuk hijau Crotalaria juncea terhadap efisiensi dan kecukupan hara 5 varietas padi sawah*. Disertasi. Sekolah Pascasarjana IPB. Bogor.
- Sukristiyonubowo, K. Nugroho & M. Sarwani, 2012. *Nitrogen, phosphorus and potassium removal by rice harvest product planted in newly opened wetland rice*. Intl. Res. J. Plant Sci. 3(4):63-68.
- Suparwoto & Waluyo, 2009. *Peningkatan Pendapatan Petani di Rawa Lebak melalui Penganekaragaman Komoditas*. Jurnal Pembangunan Manusia. Vol. 7 (1).
- Suprihatno, B., A.A. Daradjat, Satoto, Baehaki S.E., I N. Widiata, A. Setyono, S.D. Indrasari, O.S. Lesmana, H. sembiring, 2009. *Deskripsi Varietas Padi*. BB Penelitian Tanaman Padi. Balai Penelitian dan Pengembangan Pertanian.
- Syafruddin, 2012. *Kesinergian Kompos Jerami dan Pupuk NPK dengan Sistem Pemberian Air untuk Penanggulangan Keracunan Besi, Ketersediaan dan Serapan Hara N, P, K, dan Fe serta Hasil Padi pada Lahan Sawah Inceptisol*

Morowali. Disertasi. Program Pascasarjana Universitas Padjadjaran. Bandung.

- Sys, C., 1985. *Evaluation of the Physical Environment for Rice Cultivation in International Rice Research Institute (IRRI). Soil Physics and Rice*. Los Banos, Laguna, Philippines. p 31 – 43.
- Syukur, A., 2002. *Pengaruh penggenangan terhadap fraksi-fraksi Fe, Mn, Zn, dan Cu pada Entisol*. Jurnal Ilmu tanah dan Lingkungan. Vol 3(1):18-23.
- Tadano, T., & S. Yoshida, 1978. *Chemical changes in submerged soils and their effect on rice growth*. In IRRI: Soils and Rice. The International Rice Research Institute, Manila, the Philippines, p 399-420.
- Takahashi, J., 1965. *Natural Supply of Nutrients in Relation to Plant Requirements in the Mineral Nutrition of the Rice Plant*. Proceedings of a symposium at the International Rice Research Institute. Johns Hopkins Press, Baltimore, Maryland. P 271-293.
- Tamuly, D., B.H. Choudhury & B. Bastian, 2014. *Effect of nutrient management on soil availability, plant content and uptake of nitrogen, phosphorus and potassium under rice cultivation in black soil of Kerala*. Intl. J. ci. Engin. Res., 5(1):1331-1342.
- Tanaka, A., C.A. Navasero, C.V. Garcia, F.T. Parao & E. Ramirez, 1964. *Growth Habit of the Rice Plant in the Tropics and its Effect on Nitrogen Response*. IRRI Tech. Bull.3.
- Tanaka, A., R. Loe & S.A. Navasero, 1966. *Some mechanism involved in the development of iron toxicity symptoms in the rice plant*. Soil Sci. Plant Nutr. 12:158-162.
- Tanaka, A., 1978. *Role of Organic matter*. in International Rice Research Institute. *Soils and Rice*. Los Banos, Laguna, Philippines. P 605-620.
- Tening, A.S. & J.A.I. Omueti, 2011. *Solubility of extractants for predicting iron in soils of the humid zone of South-Western Nigeria*. Agric. Biol. J. N. Am. 2(8):1244-1250.
- Thompson, L.M., & F.R. Troeh, 1957. *Soil and Soil Fertility*. McGraw Hill Book Co. New York.
- Tisdale, S.L. & W.L. Nelson, 1975. *Soil Fertility and Fertilizers*. 3rd Ed. Macmillan Publishing Co. New York.
- Utami, S.N.H., S. Handayani, E. Amalia & T. Wulan, 2011. *Pupuk Cair Limbah Buah Kakao Diperkaya untuk Peningkatan Produksi teh di PT Pagilaran*. Laporan Akhir Hibah Penelitian Unggulan Fakultas Pertanian Universitas Gadjah Mada. Yogyakarta.
- van Breemen, N. & L.J. Pons, 1978. *Acid Sulfate Soils and Rice*. in International Rice Research Institute. *Soils and Rice*. Los Banos, Laguna, Philippines. P 739-762.
- WARDA, 2001. *Painting the Rice Red: Iron Toxicity in the Lowland*. Annual Report 2001-02 pp 29-37.
- Winarso, S., 2005. *Kesuburan Tanah: Dasar Kesehatan dan Kualitas Tanah*. Gva Media. Yogyakarta.

- Wong, M.T.F. & R.S. Swift, 2003. *Role of organik matter in alleviating soil acidity*. In Handbook of soil acidity, Z. Rengel (editor). Marcel Dekker, Inc. New York. P. 337-358.
- Yang, C., L. Yang, Y. Yang & Z. Ouyang, 2004. *Rice root growth and nutrient uptake as influenced by organik manure in continuously and alternately flooded paddy soils*. Agric. Water Manag. 70:67-81.
- Yoshida, S., 1981. *Fundamentals of Rice Crop Science*. The International Rice Research Institute. Los Banos, Languna, Philippines.
- Yusianto, T. Wahyudi & Sulistiyowati, 2011. *Pascapanen*. Panduan Lengkap Kakao: manajemen Agribisnis dari hulu hingga hilir. Penebar Swadaya. Jakarta. Hal. 201-236.