

## DAFTAR PUSTAKA

- Anonim. 2012. Dasar-Dasar Kesuburan Tanah. <[syekhfanismd.lecture.ub.co.id](http://syekhfanismd.lecture.ub.co.id)>. Diakses 20 Febuari 2018.
- Anonim. 2017. Balai Pengkajian Teknologi Pertanian Jawa Barat. <<https://jabar.litbang.pertanian.go.id/index.php/info-teknologi/595-komposter-mini>>. Diakses 1 Juni 2018.
- Abdel-Fattah, M. K. 2012. Role of Gypsum and Compost in Reclaiming Saline-Sodic Soils. IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS). Vol. 1 : 30-38.
- Adugna, G. 2016. A Review on Impact of Compost on Soil Properties, Water Use and Crop Productivity. Academic Research Journal of Agricultural Science and Research. Vol. 4 : 93-104.
- Ai, N. S. dan Yunia. B. 2011. Konsentrasi Klorofil Daun sebagai Indikator Kekurangan Air pada Tanaman. Jurnal Ilmiah Sains. Vol. 11 : 2.
- Akram, H. M., Ali. A., Sattar. A., Rehman. H. S. U., and Bibi. A. 2013. Impact of Water Deficit Stress on Various Physiological and Agronomic Traits of Three Basmati Rice (*Oryza Sativa* L.) Cultivar. The Journal Animal and Sciences 23:1415-1423.
- Almeida, A. M. D., Vania. F. F. G., Paulo. F. M. F., Claudivan. F. D. L., and Emanuel. D. F. 2016. Influence of Salinity on the Development of the Banana Colonised By Arbuscular Mycorrhizal Fungi. Revista Ciência Agronômica. Vol. 47: 421-428.
- Anonim, 2008. Deskripsi Varietas Tanaman Padi. Balai Besar Penelitian Tanaman Padi. Departemen Pertanian.
- Ansari, H., Jamilah., dan Mukhlis. 2014. Pengaruh Dosis Pupuk dan Jerami Padi Terhadap Kandungan Unsur Hara Tanah Serta Produksi Padi Sawah pada Sistem Tanam SRI (*System Of Rice Intensification*). Jurnal Online Agroekoteknologi. Vol. 2 : 1048 – 1055.
- Badar, R., Bisma. B., Anum. A., Saman. M., Amina. A. and Sadia. P. 2015. Amelioration of Salt Affected Soils for Cowpea Growth By Application of Organic Amendments. Journal of Pharmacognosy and Phytochemistry. Vol. 3: 87-90.
- Balai Pengkajian Teknologi Pertanian (BPTP). 2009. Budidaya Tanaman Padi. Nanggro Aceh Darussalam.
- Barus, W. A., Rauf. A., Rosmayati. and Hanum. C. 2015. Improvement of Salt Tolerance In Some Varieties of Rice By Ascorbic Acid Application. International Journal of Scientific & Technology Research Vol. 4.

- Basuki, T. 2014. Kontribusi Senyawa Kompatibel Ekstrak Daun Tumbuhan Halofit Sebagai Anti Salinitas Dalam Amandemen Fisiologi Padi (*Oryza sativa* L.). Disertasi. Universitas Gadjah Mada, Yogyakarta.
- Balai Besar Penelitian Tanaman Padi. 2009. Deskripsi Varietas Padi. Balai Besar Penelitian Tanaman Padi, Subang.
- Balai Besar Penelitian Tanaman Padi. 2015. Pemupukan Pada Tanaman Padi. Balai Besar Penelitian Tanaman Padi. Kementrian Pertanian.
- Badan Penelitian dan Pengembangan Pertanian. 2014. Kalender Tanaman Terpadu, Sleman. Yogyakarta.
- Badan Pusat Statistik. 2015. Produksi Padi Tahun 2015 Diperkirakan Naik 6,64%. <<https://www.bps.go.id/Brs/view/id/1157>>. Diakses tanggal 6 Juni 2017.
- Beighley, D. H. 2008. Soils, Plant Growth and Crop Production. Southeast Missouri State University, USA.
- Chaum, S., Pokasombat. Y. and Kirdmanee. C. 2011. Remediation of Salt Affected Soil By Gypsum and Farmyard Manure. AJCS 5(4): 458-465.
- Cha-um, S. and Chalernpol. K. 2011. Remediation of Salt-Affected Soil By the Addition of Organic Matter an Investigation Into Improving Glutinous Rice Productivity. Sci. Agric. (Piracicaba, Braz.), V.68 (4): 406-410.
- De Datta, S. K. 1981. Principles and Practices of Rice Production, John Wiley and Sons, New York
- Diacono, M. dand Francesco. M. 2015. Effectiveness of Organic Wastes as Fertilizers and Amendments in Salt-Affected Soils. <[www.mdpi.com/journal/agriculture](http://www.mdpi.com/journal/agriculture)>. Vol. 5:221-230.
- Djufry, F., Sudarsono. dan Martina. S. L. 2011. Tingkat Toleransi beberapa Galur Harapan Padi pada Kondisi Salinitas di Lahan Rawa Pasang Surut. J. Agrivigor. Vol. 10 : 196-207.
- El-Quesni, F. E. M., Sahar. M., Zaghoul. and Hanan. S., Siam. 2010. Effect of Microbien and Compost on Growth and Chemical Composition of Schefflera Arboricola L. Under Salt St. Journal of American Science. Vol. 6 (10): 1073-1080.
- Firmansyah, E. 2016. Tanggapan Padi (*Oryza sativa* L. var. *indica*) Terhadap Cekaman Rendaman Salinitas. Fakultas Pertanian. Universitas Gadjah Mada. Tesis.
- Garcia, C. 2000. Microbial Activity in Soils of SE Spain Exposed to Degradation and Desertification Processes. Strategies for Their Rehabilitation. Research and Perspectives of Soil Enzymology in Spain. CEBASCSIC, Spain.

- Glenn, E. P., Brown J. J. and Blumwald. E. 1999. Salt Tolerance and Crop Potential of Halophytes. *Crit Rev Plant Sci*. 18:227–255.
- Gardner, F. P., R. B. Pearce, dan R. L. Mitchell. 1991. Fisiologi Tanaman Budidaya. Terjemahan Herawati Susilo. Universitas Indonesia, Jakarta.
- Gardner, F. P., R. B. Pearce, dan R. L. Mitchell. 2008. Fisiologi Tanaman Budidaya. Universitas Indonesia Press. Jakarta.
- Goyal, S., Dalel. S., Sunita. S., and Kapoor. K. K. 2009. Effect of Rice Straw Compost on Soil Microbiological Properties and Yield of Rice. *Indian J. Agric. Res.* Vol. 43 : 263 – 268.
- Hayuningtyas, R. D. 2010. Metode Uji Toleransi Padi (*Oryza Sativa* L.) Terhadap Salinitas pada Stadia Perkecambahan. Institut Pertanian Bogor. Skripsi.
- Hirpara, K. D., Prakash. J. R., Ashish. D. P. and Amar. N. P. 2005. Effect of Salinisation of Soil on Growth and Macro- and Micro-Nutrient Accumulation in Seedlings of *Butea Monosperma* (Fabaceae). *Anales De Biología*. Vol. 27: 3-14.
- Horie, T., Karahara. I. and Katsuhara. M. 2012. Salinity Tolerance Mechanisms In Glycophytes: An Overview With Yhe Central Focus On Rice Plant. *The Rice Journal* 5:1-18.
- Hossain, M. B., and Sarker. R. R. 2015. Organic and Inorganic Amendments on Rice (*Oryza Sativa* L.) and Soil in Salt Affected Areas of Bangladesh. *J. Environ. Sci. & Natural Resources*, Vol. 8 : 109 -113.
- Islam, M. Z., Mia. M. A. B., Islam. M. R., and Akter. A. 2007. Effect of Different Saline Levels on Growth and Yield Attributes of Mutant Rice. *J. Soil. Nature*. Vol. 1: 18-22.
- Iqbal, T. 2016. Rice Straw Amendment Ameliorates Harmful Effect of Salinity and Increases Nitrogen Availability in A Saline Paddy Soil. *Journal of the Saudi Society of Agricultural Sciences*.
- Karyono, T., Maksudi dan Yatno. 2017. Penambahan Aktivator Mol Bonggol Pisang dan EM 4 dalam Campuran Feses Sapi Potong dan Kulit Kopi terhadap Kualitas Kompos dan Hasil Panen Pertama Rumput Setaria (*Setaria splendida* Stapf). *Jurnal Sain Peternakan Indonesia* Vol. 12: 1
- Kaya, E. 2013. Pengaruh Kompos Jerami dan Pupuk NPK Terhadap N-Tersedia Tanah, Serapan-N, Pertumbuhan, dan Hasil Padi Sawah (*Oryza Sativa* L.). Universitas Pattimura. Skripsi.
- Koyro, H. W., S. Daoud. and M. C. Harrouni. 2013. Salt Response of Some Halophytes with Potential Interest in Reclamation of Saline Soils: Gas Exchange, Water use

Efficiency and Defence Mechanism. Development in Soil Salinity Assessment and Reclamation. Springer, London.

- Liu, X., Fan. Y., Long. J., Wei. R., Kjellgren. R., Gong. C., and Zhao J. 2013. Effects of Soils Water and Nitrogen Availability on Photosynthesis and Water use Efficiency of Robinia Pseudoacacia Seedlings. Journal of Environmental Sciences. Vol. 25 : 585-595.
- Livitt, J. 1980. Response of Plant to Environmental Stresses. Academic Press. New York.
- Lugojan, C. and Ciulca. S. 2011. Evaluation of Relative Water Content in Winter Wheat. Journal of Horticulture, Forestry and Biotechnology. Volume 15: 173-177.
- Mahiti, M., Ardalan. M. M., Mohammadi. T. A., and Shokri. V. H. 2011. The Efficiency of Potassium Fertilization Methods on the Growth of Rice (*Oryza sativa* L.) Under Salinity Stress.
- Makarim, A. K., dan Suhartatik. E. 2009. Morfologi dan Fisiologi Tanaman Padi. Balai Besar Penelitian Tanaman Padi, Subang.
- Maulida, E. I. 2011. Pengaruh Vermikompos, Pupuk Kandang, dan Pupuk Anorganik Terhadap Serapan Hara K dan Hasil Padi (*Oryza sativa* L.) Beras Merah di Lahan Sawah Kebak Kramat Karanganyar. Universitas Sebelas Maret. Skripsi.
- Pane, M. A., Damanik. M. M. B, dan Bintang. S. 2014. Pemberian Bahan Organik Kompos Jerami Padi dan Abu Sekam Padi Dalam Memperbaiki Sifat Kimian Tanah Ultisol Serta Pertumbuhan Tanaman Jagung. Jurnal Online Agroekoteknologi. Vol. 2:1426 – 1432.
- Pantilu, L. I. Feky. R. M, Nio. S. A, Dingse. P. 2012. Respons Morfologi dan Anatomi Kecambah Kacang Kedelai (*Glycine max* L.) terhadap Intensitas Cahaya yang Berbeda. Jurnal Bioslogos. Vol. 2:2.
- Purnomo, A., Rudi. H., dan Bagus. S. W. 2011. Identifikasi dan Inventarisasi Potensi Lahan Tambak di Wilayah Pesisir Kabupaten Lumajang. Jurnal Pendidikan Geografi. Vol. 1:1.
- Qorib ‘Ali Ma’ Sum, F. 2016. Pertumbuhan dan Hasil Padi Sawah (*Oryza Sativa* L.) pada Beberapa Takaran Kompos Jerami dan Zeolit. Fakultas Pertanian. Universitas. Skripsi.
- Rad, H.E., Farshid. A., and Mojtaba. R. 2012. Response of Rice to Different Salinity Levels During Different Growth Stages. Research Journal of Applied Sciences, Engineering and Technology. Vol. 4 : 3040-3047.

- Rahhim, A. H., Bhuiyan. M. A. R., Narimah. M. K., Wickneswari. R., Abdullah. M. Z., Anna. L. P. K., Sobri. H., Rusli. and Kharuddin. A. R, 2015. Evaluation and Charaterization of Advanced Rice Mutant Line of Rice (*Oryza Sativa*), Mr219-4 And Mr219-9 Under Drought Condition.
- Rauf, A. W., Syamsudin. T. dan Sihombing. S.R. 2000. Peranan Pupuk NPK pada Tanaman Padi. Badan Penelitian dan Pengembangan Pertanian. Loka Pengkajian Teknologi Pertanian Koya Barat, Irian Jaya.
- Richards, L. A. 1954. Diagnosis and Improvement of Saline and Alkali Soils. U.S. Departement Agriculture Handbook, Washington D.C. Robinia Pseudoacacia Seedlings. Journal of Environmental Sciences. Vol. 25:585-595.
- Rogers, M. E., Craig. A. D., Munns. R., Colmer. T. D., Nichols. P. G. H., Malcolm. C. V., Barrett-Lennard. E. G., Brown. A. J., Semple. W. S., Evans. P. M., Cowley. K., Hughes. S. J., Snowball. R., Bennett. S. J., Sweeney. G. C., Dear. B. S. dan Ewing. M. A. 2005. The Potential for Developing Fodder Plants for the Salt-Affected Areas of Southern and Eastern Australia: an Overview. Australian Journal of Experimental Agriculture 45: 301–329.
- Salbiah, C., Muyassir. dan Sufardi. 2013. Pemupukan KCL, Kompos Jerami dan Pengaruhnya terhadap Sifat Kimia Tanah, Pertumbuhan dan Hasil Padi Sawah (*Oryza Sativa* L.). Jurnal Manajemen Sumberdaya Lahan. Volume 2 : Hal. 213-222.
- Santoso. 2008. Kajian Morfologis dan Fisiologis Beberapa Varietas Padi Gogo (*Oryza sativa* L.) terhadap Cekaman Kekeringan. Universitas Sebelas Maret. Skripsi.
- Shannon, M. C. 1999. Salinity and Hor-ticulture. an International Journal. The International Society for Horti-cultural Science. Vol. 78, No. 1-4.
- Sheldon, A., Menzies. N. W., So. H. B. and Dalal. R. 2004. The Effect of Salinity on Plant Available Water. 3<sup>rd</sup> Australian New Zealand Soils Conference. University of Sydney, Australia.
- Shipley, B. and Keddy. P. A. 1988. The Relationship Between Relative Growth Rate and Sensitivity to Nutrient Stress in Twenty-Eight Species of Emergent Macrophytes. Journal of Ecology 76: 1101-1110.
- Sitorus, T. A. 2012. Analisis Salinitas dan Dampaknya terhadap Produktivitas Padi di Wilayah Pesisir Indramayu. Skripsi. IPB. Bogor.
- Smart, R. E. and Bingham. G.E. 1974. Rapid Estimate of Relative Water Content. Plant Physiology 53: 258-260.
- Soepardi, G. 1983. Sifat dan Ciri Tanah. Departemen Ilmu Tanah, Fakultas Pertanian Institut Pertanian Bogor.

- Sujinah dan Ali J. 2016. Mekanisme Respon Tanaman Padi terhadap Cekaman Kekeringan dan Varietas Toleran. *Iptek Tanaman Pangan* Vol. 11.
- Surtinah. 2013. Pengujian Kandungan Unsur Hara dalam Kompos yang berasal dari Serasah Tanaman Jagung Manis (*Zea mays saccharata*). *Jurnal Ilmiah Pertanian* Vol. 11:1.
- Sutopo, S. 2012. *Teknologi Benih Edisi Revisi 8*. Rajawali Pers. Jakarta.
- Syakir, M., Nur. M. dan Januwati. M. 2016. Pengaruh Salinitas terhadap Pertumbuhan, Produksi dan Mutu Sambiloto (*Andrographis Paniculata* Nees). <[ejurnal.litbang.pertanian.go.id/index.php/bultro/article/5555](http://ejurnal.litbang.pertanian.go.id/index.php/bultro/article/5555)>. Vol. 2. 127-137. Bogor.
- Tjitrosoepomo, G. 2004. *Taksonomi Tumbuhan*. Gadjah Mada University Press, Yogyakarta.
- Wahyono. 2011. *Kualitas Kompos dan POG dari Sampah Kota Memenuhi Standar Permentan no. 28 tahun 2009*.
- Wiyono S. 2007. *Climate Change and Pests and Diseases Explosion. Biodiversity in the Middle of Global Warming*. Kehati Foundation. Jakarta.
- Yoshida, S. 1981. *Fundamentals of Rice Crop Science*. International Rice Research Institute. Los Banos, Philippines.
- Yunita, R. 2009. *Pemanfaatan Variasi Somaklonal dan Seleksi In Vitro Dalam Perakitan Tanaman Toleran Cekaman Abiotik*.
- Yuwono, N. W. 2001. *Pengaruh Pupuk Kandang Ayam dan Sekam Padi Pada Udipsammet Abu Vulkan Terhadap Serapan N, P, K, Zn & Si oleh Jagung*. Fakultas Pertanian. Universitas Gadjah Mada. Tesis.
- Zainal, I. R. 2013. *Evaluasi Kesesuaian Lahan Kualitatif dan Kuantitatif Tanaman Padi Tadah Hujan (*Oryza sativa* L.) pada Lahan Kelompok Tani Karya Subur di Desa Pesawaran Indah Kecamatan Padang Cermin Kabupaten Pesawaran*. Universitas Lampung. Skripsi.
- Zannati, A. 2015. *Perubahan Iklim dan Cekaman Abiotik Salinitas*. Pusat Penelitian Bioteknologi Lipi-Cibinong. *Bio Trends*. Vol.1.