

Daftar Pustaka

- Ahmed, N.U., N.U. Mahmud., M.A. Uz Zaman., Z. Ferdous., and S.C. Halder. 2017. Effect of different salinity level on tomato (*Lycopersicon esculentum*) production under climate change condition in Bangladesh. *Annual Research and Review in Biology* 13(3): 1-9.
- Akca, Y. and E. Samsumlu. 2012. The effect of salt stress on growth, chlorophyll content, proline and nutrient accumulation, and k/na ratio in walnut. *Pak.J.Bot.*,44(5):1513-1520.
- Aldai'in, H.K.H. and H.H. Alhourt. 2016. Effect of NPK and chicken manure of the productivity and some growth components of squash (*Cucurbita pepo* L.). *ARPN Joournal of Agricultural dan Biological Science* 11(6): 230-235.
- Alsadon, A., M. Sadder and M.W. Allah. 2013. Responsive gene screening and exploration of genotypes responses to salinity tolerance in tomate. *J. Crop Science* 7(9): 1383-1395.
- Anthraper, A and J. D. DuBois. 2003. The Effect of NaCl on growth, N₂ fixation, and percentage total nitrogen in *Leucaena leucacephala* var K-8. *American J.of Botany*(90):683-692.
- Apriyantono, A., D. Fardiaz, N.L. Puspitasari, S. Yasni dan S. Budiyanto. 1989. Petunjuk Praktikum Analisis Pangan. IPB Press, Bogor.
- Ashraf M. and P.J.C. Harris. 2004. Potential biochemical indicators of salinity tolerance in plants. *Journal Plant Science* (166):3-16.
- Badan Litbang Pertanian. 2011. Mineral Zeolit untuk Pembenh Tanah Sawah Intensifikasi. Departemen Pertanian.
- Barus, R. Rogomulyo and S. Trisnowati. 2013. Pengaruh takaran pupuk kandang terhada pertumbuhan dan hasil wijen (*Sesamum indicum* L.) di lahan pasir pantai. *Vegetalika* 2:45-54.
- Boboy, W. 2019. Pertumbuhan dan hasil tiga tanaman tomat pada cekaman salinitas. *Partner* (1):92-101.
- Boudsocq, M and C. Lauriere. 2005. Osmotic Signaling in Plants: Multiple Patways Mediated by Emerging Kinase Families. *Plant Physiology* (38): 11185-11194.
- Bustomi, R.A., M.S.T.R. Senge, D. Suhandy, and A. Tusi. 2014. The effect of EC 463 levels of nutrient solution on the growth, yield, and quality of tomatoes (*Solanum lycopersicum*) under the hydroponic system. *Journal of Agricultural Engineering and Biotechnology* 2(1):7-12
- Cahyono, B. 2008. Tomat Usaha Tani dan Penanganan Pasca Panen. Kanisius, Yogyakarta
- Cakmak I. 2005. The role of potassium in alleviating detrimental effects of abiotic stresses in plants. *J. Plant Nutr. Soil Sci.* 168:521-530.

- Campbell, N.A, J.B. Reece and L.G. Mitchell. 2003. Biologi. Alih Bahasa : L. Rahayu, E.I.M Adil, N. Anita, Andri, W.F Wibowo, W. Manalu. Penerbit Erlangga. Jakarta
- Cardon G.E, J.G. Davis, T.A. Bauder and R.M. Waskom. 2007. Managing Saline Soils. Colorado State University. US. [www. ext. colostate. edu](http://www.ext.colostate.edu). diakses 10 Desember 2018.
- Chaniago, N., Safruddin, and D. Kurniawan. 2017. Respon pertumbuhan dan produksi tanaman tomat (*Lycopersicum asculentum* Mill) terhadap pemberian pupuk kandang sapi dan fermentasi urin sapi. Jurnal Penelitian Bernas 13(1):23-29.
- Coombs, J., Hall, D.O., Long S.P. and Scurlock, J.M.O. (1985) *Techniques in Bioproductivity and Photosynthesis*. 2nd edn. Pergamon Press. Oxford.
- Costa, J.M. and E. Heuvelink. 2018. Introduction: The tomato crop and industry. In E. Heuvelink (Eds.). *Tomatoes, Crop Production Science in Horticulture*. CABI Publishing. Wallingford, UK.
- Cuartero, J. R. dan M. Fernandez. 1999. Tomato and salinity. *Scientia Horticulturae*. 78: 83 – 125.
- Dam, B.V., M. Goffau., M.Hilmi., J.V.L.D. Jeude., and S. Naika. 2005. *Cultivattion of Tomato*. Agromisa Foundationn and CTA: Wageningen.
- Del Amor FM, Martinez V, Cerda A (2001) Salt tolerance of tomato plants as affected by stage of plant development. *HortScience* 36:1260-1263.
- Di Martino, C., S. Delfine., R. Pizzuto., F. Loreto., and A. Fuggi. 2003. Free amino acids and glycine betaine in leaf osmoregulation of spinach responding to increasing salt stress. *The New Phytologist* 158(3): 455-463.
- Djukri, M.S. 2009. *Cekaman Salinitas Terhadap Pertumbuhan Tanaman*. Prosiding Seminar Nasional Penelitian. Universitas Negeri Yogyakarta.
- Dogar U.F., N. Naila, A. Maira, A. Iqra, I. Maryam, H. Khalid, N.Khalid, H.S. Ejaz, and H.B. Khizar. 2012. Noxious effects of NaCl salinity on plants. *Botany Res. Inter*. 5(1):20-23.
- Drastinawati., Syafriadiman., and Hasibuan, S. 2016. Pengaruh amelioran formulasi terhadap kualitas tanah dan air kolam gambut. Universitas Riau. Riau.
- El-Swaify, S.A. 2000. *Soil and Water Salinity. Plant Nutrient Management in Hawaii's Soils, Approaches for Tropical and Subtropical Agriculture*. Univ. of Hawai.
- Farooq M, Wahid A, Kobayashi N, Fujita D, & Basra SMA. 2009. Plant drought stress: Effects, mechanism and management. *Agron.Sustain.Dev*. 29, 185-212.
- Ferro N., 2008. *Irrigation with saline water: prediction of soil Sodication and management*. Universitàdegli studi di padova facoltà di scienze mm. ff. nn. E agrarian. Italy.
- Grattan, S.R., and A. Lauchi. 2016. *Soil pH Extremes*. Departemen of Land, Air and Water Resouces. Univercity of California, Davis. USA. School of Plant Biology. University of Western Australia, Crawley. Australia.

- Gupta, B. P., M. Muralidhar, K. O. Joseph, and K. K. Krishnani. 2001. Effect of salinity level and manure dose on the release of nutrients from brackishwater soil. *Aquacult* 2(2).
- Hajer, A.S., A.A. Malibari., H.S. Al-Zahrani., and O.A. Almaghrabi. 2006. Responses of three tomato cultivars to sea water salinity 1. Effect of salinity on the seedling growth. *African Journal of Biotechnology* 5(10):855-861.
- Hartatik, W. and L.R. Widowati. 2011. Pupuk Kandang. <http://balittanah.litbang.pertanian.go.id>. Diakses tanggal 10 Januari 2019. Pukul 20.00 WIB.
- Hati, H.A.P. and A.D. Susila. 2016. Optimasi pemupukan kalium pada budidaya tomat (*Lycopersicum esculentum*) di *Inceptisol* Dramaga. *Bul. Agrohorti* 4(2):173-179.
- Helaly, A.A., Y. Goda, A.S. El-REhim, A.A. Mohammed and O.A.H. El-Zeiny. 2017. Effect of irrigation with different levels of saline water type on husk tomato productivity. *Advances in Plants and Agricultural Research* 6(4): 114-120.
- Horneck, D.S., J.W. Ellsworth, B.G. Hopkins, D.M Sullivan and R.G. Stevens. 2007. Managing Salt Affected Soils for Crop Production. PNW 601-E. Oregon State Univ., Univ. of Idaho, Washington State Univ.
- Hu, Y. and U. Schmidhalter. 2005. Drought and salinity: A comparison of their effects on mineral nutrition of plants. *J. Plant Nutr. Soil Sci.* 168:541-549.
- Isnasa, I. N., Respatijarti., and S. L. Purnamaningsih. 2017. Penampilan 8 genotip tanaman tomat (*Lycopersicon esculentum* Mill) pada cekaman salinitas. *Jurnal Produksi Tanaman* 5(5): 765-773.
- Jackson, C.R., and S.C. Vallaire. 2009. Effects of salinity and nutrients on microbial assemblages in Louisiana Wetland Sediments. *Wetlands* 29(1): 277-287.
- Jannah, N., A. Patah and Muhtar. 2012. Pengaruh pemberian beberapa jenis pupuk kandang dan nutrisi saputra terhadap pertumbuhan dan hasil tomat (*Lycopersicum esculentum* Mill). *Ziraa'ah* 35(3):169-176.
- Jouyban, Z. (2012) The Effects of Salt Stress on Plant Growth. *Technical Journal of Engineering and Applied Sciences*(2): 7-10.
- Kartika, Ela., Yusuf, Ramal., dan Abd. Syakur. 2015. Pertumbuhan dan hasil tanaman tomat (*Lycopersicum esculentum* Mill) pada berbagai presentase naungan. *Jurnal Agrotekbis* 3(6): 717-724.
- Linga, P. and Marsono. 2011. Petunjuk Penggunaan Pupuk. Penebar Swadaya. Jakarta.
- Lubis, M. S. 2008. *Pertumbuhan dan Kandungan Protein Jagung di bawah Cekaman NaCl*. Jurusan Pendidikan Biologi. Yogyakarta.
- Maisura., Chozin, M.A., Lubis, Iskandar., Junaedi, Ahmad., and Hiroshi, Ehara. 2015. Laju asimilasi bersih dan laju tumbuh relatif varietas padi toleran kekeringan pada sistem sawah. *Jurnal Agrium* 12(1): 10-15.

- Mariono, E.S., and S.K.D. Tyas. 2012. Pengaruh macam varietas dan dosis pupuk organik padat terhadap pertumbuhan dan hasil tanaman cabai merah. *Jurnal Ilmiah agrineca* 7(1).
- Marlina, N., R.I.S. Aminah., Rosmiah., and L.R., Setel. 215. Aplikasi pupuk kandangkotoran ayam pada tanaman kacang tanah (*Arachis hypogaea* L.). *Journal of Biology and Biology Education* 7(2): 136-141.
- Meloni, D.A., M.A. Oliva, C.A. Martinez and J. Cambraia, 2003. Photosynthesis and activity of superoxide dismutase, peroxidase and glutathione reductase in cotton under salt stress. *Environ. Exp. Bot.* 49:69–76.
- Mindari, W. 2009. Cekaman Garam dan Dampaknya pada Kesuburan Tanah dan Pertumbuhan Tanaman. UPN “Veteran” Jawa Timur. Surabaya.
- Musofie, A. 2004. Pembuatan Pupuk Organik dengan Limbah Kandang Ternak. Dinas Pertanian Provinsi Daerah Istimewa Yogyakarta.
- Olympios, C.M., I.C. Karapanos, K. Lionoudakis, and I. Apidianakis. (2003) The growth, yield and quality of greenhouse tomato in relation to salinity applied at different stages of plant growth. *Acta Hort.* 609: 313-320.
- Parvin, K., K.U. Ahamed., M.M. Islam., and Md. N. Haque. 2015. Response of tomato plant under salt stress: role of exogenous calcium. *Journal of Plant Sciences* 10(6): 222-233.
- Peralta, I.E. and D.M. Spooner. 2007. History, origin and early cultivation of tomato (solanaceae). Science Publishers, Enfield.
- Petersen KK, Willumsen J and Kaach K (1998) Composition and taste of tomato as affected by increased salinity and different salinity sources. *J. Hort. Sci. Biotechnol.* 73: 205-215.
- Prapagar, K., S.Dasian., and W. Shanika. 2015. Effect of different salinity levels of a availability of manure amended soil. *International Symposium:246-253.*
- Prasetyo, R. 2014. Pemanfaatan berbagai sumber pupuk kandang sebagai sumber N dalam budidaya cabai merah (*capsicum annum* l.) di tanah berpasir. *Planta Tropika Journal of Agro science* 2(2): 125-132.
- Rahman, M.M., M. Hossain., K.F.B. Hossain., M.T. Sikder., M. Shammi., M. Rhaseduzzaman., A.M. Alam., and M.K. Uddin. 2018. Effects of nacl-Salinity on Tomato (*Lycopersicon esculentum* Mill.) plants in a pot experiment. *Open Agriculture* (3): 578-585.
- Rahmawati, H.E., E. Sulistyarningsih, and E.T.S. Putra. 2011. Pengaruh kadar NaCl terhadap hasil dan mutu buah tomat (*Lycopersicum asculentum* Mill). *J. Penelitian Fakultas Pertanian Gadjah Mada*: 4-7.
- Rhoades, J.D. and J. Loveday. 1992. Salinity in irrigated agriculture. B.A. Stewart and D.R. Nielsen (eds). *Irrigation of agricultural lands. Agron. Mono. 30. Am. Soc. of Agron. Madison, Wisconsin.* 1089–1142.
- Rosmarkam, A. and N. W. Yuwono. 2002. Ilmu Kesuburan Tanah. Kanisius. Yogyakarta.

- Samada, K., R. Dewati and Suprihatin. Garam Industri berbahan baku garam krosok dengan metode pencucian dan evaporasi. *Jurnal Teknik Kimia* 11(1):30-36.
- Saqib, R., P. Marschner., J. Baldock., and D. Chittleborough. 2010. Is CO₂ evolution in saline soils affected by an osmotic effect and calcium carbonate. *Biology and fertility of Soils* (46): 781-792.
- Sastrahidayat. 1992. *Bertanam Tomat*. Penebar Swadaya. Jakarta.
- Satio, T., C. Matsukura., Y. Ban., K. Shoji., M. Sugiyama M., N. Fukuda., and S. Nishimura. 2008. Salinity stress affects assimilate metabolism at the gene expression level during fruit development and improves fruit quality in tomato (*Solanum lycopersicum* L.) *Japanese Society for Horticultural Science* (77): 61-68.
- Serrano R., J.M. Mulet, G. Rios, J.A. Marquez, I.F. De Larrinoa, M.P Leube, I. Mendizabal, A. Pascual, M. Proft, R. Ros and C. Montesino. 1999. A glimpse of the mechanisms of ion homeostasis during salt stress. *J. Exp. Bot.* 50:1023–1036.
- Setiawati, W., N. Gunaeni, Bagus, K. Udiarto, Subhan and Rini, R.R. 2006. Perbaikan teknologi PHT pada tanaman tomat dengan penekanan pada penggunaan produk hayati. Laporan Penelitian Balitsa.
- Silalahi, M.J., Rumambi, A., Telleng, M.M., and Kaunang, W.B. 2018. Pengaruh pemberian pupuk kandang ayam terhadap pertumbuhan tanaman sorgum sebagai pakan. *Jurnal Zootec* 38(2): 286-295.
- Siregar, L. A. M., Rosmayanti and Julita. 2010. Uji beberapa varietas tomat (*Lycopersicum esculentum* Mil.). *Jurnal Ilmu Pertanian KULTIVAR* 4(2): 4-5.
- Subatra, K. 2013. Pengaruh Sisa Amelioran, Pupuk N dan P terhadap Ketersediaan N, Pertumbuhan dan Hasil Tanaman Pa di di Musim Tanam Kedua pada Tanah Gambut. *jurnal lahan suboptimal*. 2(2): 159-169.
- Subhan., N. Nurtika., and N. Gunadi. 2009. Respons tanaman tomat terhadap penggunaan pupuk majemuk NPK (15:15:15) pada tanah latosol pada musim kemarau. *Jurnal Hortikultura* 19(1):40-48.
- Susila, A.D. and H. Luthfyrahman. 2013. Optimasi pupuk anorganik dan pupuk kandang ayam pada budidaya tomat hibrida (*Lycopersicon esculentum* Mill. L.). *Buletin Agrohorti* 1(1):119-126.
- Sutedjo, M. M. 2006. *Pupuk dan Pemupukan*. Rineka Cipta. Jakarta.
- Syafrullah. 2015. Aplikasi pupuk organik jerami padi dan kotoran ayam untuk meningkatkan efisiensi penggunaan pupuk anorganik pada budidaya tanaman tomat. *Klorofil* (1): 14-18.
- Syamsu, I. 2013. Manfaat Penggunaan Pupuk Organik Untuk Kesuburan Tanah. *Jurnal Universitas Tulungagung BONOROWO* Vol. 1 (1) ; 30-42.
- Szczerba MW, Britto DT, Kronzucker HJ. 2008. K⁺ transport in plants. *J Physiol Molecul Bio* 166: 447-466.

- Tester, M., and J. Davenport. 2003. Na⁺ transport and Na⁺ tolerance in higher plants. *Annals of Botany* (91): 503-527.
- Usman, K.J.S., S.Y. Nababan., Masdar., T. Pamekas., and Mukhtasar. 2018. Responses of six tomato (*lycopersicon esculentum* mill.) genotypes to salinity stress at low altitudes of Bengkulu, Indonesia.
- Van Ieperen, W., 1996. Effects of different day and night salinity levels on vegetative growth, yield and quality of tomato. *J. Hort. Sci.*, 71: 99-111
- Wan S., Kang Y., Wang D., Liu S., and Feng L. 2007. Effect of drip irrigation with saline water on tomato (*Lycopersicon esculentum* Mill) yield and water use in semi-humid area: *Agr Water Manage* 90: 63-74.
- Yuliana., Rahmadani, E., and Permanasari. 2015. Aplikasi pupuk kandang sapi dan ayam terhadap pertumbuhan dan hasil tanaman jahe (*zingiber officinale* rosc.) di media gambut. *Jurnal Agroteknologi* 5(2). 37-42.
- Yuliani, R. (2009). Upaya meningkatkan kehilangan hasil akibat cekaman kekeringan pada kedelai di lahan sawah. *J. Mawas* 1(6): 1-15.
- Zhang, P., M. Senge and Y. Dai. 2016. Effects of salinity stress on growth, yields, fruit quality and water use efficiency of tomato under hidroponics system. *Agricultural Science* (4): 46-55.
- Zhifang G. and W.H. Loescher. 2003. Expression of a celery mannose 6-phosphate reductase in *Arabidopsis thaliana* enhances salt tolerance and induces biosynthesis of both mannitol and a glucosyl-mannitol dimmer. *Plant Cell Environ.* 26:275–283.
- Zhu, J. K. 2003. Regulation of Ion Homeostasis Under Salt Stress. *Curr. Opin. in Plant Biol.* 6:441–445.