

## DAFTAR PUSTAKA

- Abveysiriwardena, D. S. de Z. 2004. A simple screening technique for salinity tolerance in rice: germination rate under stress. *International Rice Research Notes* 29: 78-79.
- Abraha, B & G. Yohannes. 2013. The role of *seed priming* in improving seedling growth of maize (*Zea mays* L.) under salt stress at field conditions. *Agricultural Sciences* 4: 667-672.
- Afzal, I., A Butt, H.U Rehman., S.Maqsood, A. Basra & A. Afzal. 2012. Alleviation of salt stress in fine aromatic rice by seed priming. *Aust J Crop Sci* 6:1401-1407.
- Aymen, E.M and H. Cherif. 2012. Effect of NaCl *priming* duration and concentration on germination behavior of Tunisian safflower. *Journal of Stress Physiology & Biochemistry* 8: 30-36
- Balai Besar Penelitian Tanaman Padi. 2015. Pemupukan pada Tanaman Padi. <http://bbpadi.litbang.pertanian.go.id/index.php/berita/info-teknologi/content/226-pemupukan-pada-tanaman-padi>. Diakses 6 April 2016.
- Badan Kerjasama Ilmu Tanah. 1991. Direktorat Jenderal Pendidikan Tinggi Departemen Pendidikan dan Kebudayaan, Jakarta.
- BBPP Lembang. 2011. Penurunan Hasil Tanaman Akibat Peningkatan Salinitas Lahan. <http://www.bbpp-lembang.info/index.php/arsip/artikel/artikel-pertanian/491-penurunan-hasil-tanaman-akibat-peningkatan-salinitas-lahan>. Diakses 4 November 2015.
- Balai Penelitian Tanaman Aneka Kacang dan Umbi. 2014. Induksi Benih Kedelai. <http://balitkabi.litbang.pertanian.go.id/info-teknologi/1703-induksi-benih-kedelai.html>. Diakses 12 Juni 2016.
- Balai Penelitian Tanah. 2009. Petunjuk Teknis Edisi 2: Analisis Kimia Tanah, Tanaman, Air, Dan Pupuk. Balai Penelitian Tanah, Bogor.
- Balai Penelitian Tanah. 2013. Rekomendasi Pemupukan N, P, dan K pada Padi Sawah Spesifik Lokasi. <http://balittanah.litbang.pertanian.go.id/pupuk/index.php/perangkat-uji/80-rekomendasi-pemupukan-padi-sawah-spesifik-lokasi>. Diakses 22 September 2016.
- Das S, Krishnan P, Monalisa N, & Ramakrishnan B. 2014. High temperature stress effects on pollens of rice (*Oryza sativa* L.) genotypes. *Environ Exp Bot* 101:36–46.
- Ditjen PSP. 2014. Forum PLP2B. <<http://psp.pertanian.go.id/index.php/page/forum>>. Diakses 5 Maret 2016.

- Eckardt, N.A. 2000. Giving Rice the Time of Day: Molecular Identification of a Major Photoperiod Sensitivity Quantitative Trait Locus. <http://www.plantcell.org/content/12/12/2299>. Diakses 25 September 2017.
- FAO. 1998. Salt-Affected Soils and Their Management. Fao Soils Bulletin 39. <http://www.fao.org/docrep/x5871e/x5871e00.htm>. Diakses 31 Maret 2017.
- Food and Agricultural Organization (FAO) of United Nations. 2005. Panduan Lapang FAO: 20 hal untuk diketahui tentang dampak air laut pada lahan pertanian di Propinsi NAD. [http://www.fao.org/ag/tsunami/docs/20\\_things\\_on\\_salinity\\_bahasa.pdf](http://www.fao.org/ag/tsunami/docs/20_things_on_salinity_bahasa.pdf). Diakses 4 November 2015.
- Grist, D.H. 1975. Rice. Longmans, London.
- Hasamuzzaman, M., M. Fujita, M.N. Islam, K.U. Ahamed, & K. Nahar. 2009. Performance of four irrigated rice varieties under different levels of salinity stress. International Journal of Integrative Biology 6: 85-90.
- Goldworthy, P.R, N.M Fisher, A.H. Bunting. 1996. Fisiologi Tanaman Budidaya Tropik. Gadjah Mada University Press, Yogyakarta.
- Gomez, K. A., and A. A. Gomez. 1984. Statistical Procedures for Agricultural Research With Emphasis on Rice 2nd Edition. Library of congress cataloging publication data, Washington.
- Horie, T, I. Karahara, and M. Katsuhara. 2012. Salinity tolerance mechanisms in glycophytes: An overview with the central focus on rice plant. The Rice Journal 5: 1-18.
- Irawan, B. 2005. Konversi lahan sawah : potensi dampak,pola pemanfaatannya, dan faktor determinan. FORUM PENELITIAN AGRO EKONOMI 23: 1–18.
- IRRI. 2007. Morphology Of The Rice Plant And Rice Grain.[http://www.knowledgebank.irri.org/ericeproduction/0.1.\\_Morphology\\_of\\_the\\_rice\\_plant.htm](http://www.knowledgebank.irri.org/ericeproduction/0.1._Morphology_of_the_rice_plant.htm). Diakses 2 Oktober 2016.
- IRRI. 2014. Yield increase prospects for rice to 2050. <http://irri.org/rice-today/yield-increase-prospects-for-rice-to-2050>. Diakses 1 Oktober 2016.
- Harris, R.W. 1992. Root-shoot ratios. Journal of Arboriculture 181: 39-42.
- Harris, D., A. Joshi, P.A. Khan, P. Gothakar & P.S. Sodhi. 1999. On-farm *seed priming* in semi-arid agriculture: Development and evaluation in corn, rice and chickpea in India using participatory methods. Ep. Agriculture 35: 15-29.
- Islam, R.A., A. Mukherjee and M. Hossin. 2012. Effect of *osmopriming* on rice seed germination and seedling growth. J. Bangladesh Agril. Univ. 10: 15–20.
- Ismunadji, M, S. Partohardjono, M. Syam, dan A.Widjono. 1988. Padi: Buku 1. Balai Penelitian dan Pengembangan Pertanian, Pusat Penelitian dan Pengembangan Tanaman Pangan.

- Jisha Kc, Vijayakumari K And Puthur Jt. 2013. Seed *priming* for abiotic stress tolerance: an overview. *Acta Physiol Plant* 35: 1381-1396.
- Jennings, P.R., W.R. Coffman, dan H.E. Kauffman. 1979. Rice Improvement. International Rice Research Institute, Los Banos, Philippines.
- Karim Makarim, A dan E. Suhartatik. 2009. Morfologi dan fisiologi tanaman padi, Balai Besar Penelitian Tanaman Padi. [http://www.litbang.pertanian.go.id/special/padi/bbpadi\\_2009\\_itkp\\_11.pdf](http://www.litbang.pertanian.go.id/special/padi/bbpadi_2009_itkp_11.pdf). . Diakses 6 Maret 2016.
- Leubner, G. 2000. Seed Technology. <http://www.seedbiology.de/seedtechnology.asp>. Diakses 6 April 2016.
- Levitt, J. 1980. Response of plant to environmental stresses. Academic Press. New York.
- Manonmani, V. M. Ameer Junaithal Begum and M. Jayanthi. 2014. Halo Priming of Seeds. *Research Journal of Seed Science*, 7: 1-13.
- Mariay, I.F. 2013. Karakter Morfologis Perakaran Kultivar Kedelai Tahan Kekeringan. Tesis. Universitas Gadjah Mada, Yogyakarta.
- McKenzie, R.H. 2003. Soil pH and Plant Nutrients. [http://www1.agric.gov.ab.ca/\\$department/deptdocs.nsf/all/agdex6607](http://www1.agric.gov.ab.ca/$department/deptdocs.nsf/all/agdex6607). Diakses 25 September 2017.
- Meychik, N.R., Y.I. Nikolaeva, I.P.Yermakov. 2013. Physiological Response of Halophyte (*Suaeda altissima* (L.) Pall.) and Glycophyte (*Spinacia oleracea* L.) to Salinity. *American Journal of Plant Sciences*4: 427-435.
- Neto, A. D. A., J. T. Prisco, J. Eneas-Filho, C. F. de Lacerda, J. V. Silva, P. H. A. da Costa, and E. Gomes-Filho. 2004. Effects of salt cekaman on plant growth, stomatal response and solute accumulation of different maize genotypes. *Braz. J. Plant Physiol* 16 (1): 31-38.
- Ostonen , I., Ü. Püttsepp , C Biel , O. Alberton , M. R. Bakker , K. Löhmus , H. Majdi , D. Metcalfe , A. F. M. Olsthoorn , A. Pronk , E. Vanguelova , M. Weih & I. Brunner. 2007. Specific root length as an indicator of environmental change, *Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology* 141:426-442.
- Paramita, Galuh, dkk. (2014). pertumbuhan bibit tujuh klon teh (*camellia sinensis* (l.) kuntze) PGL dengan pemberian bahan mengandung hormon tumbuh alami. *Vegetalika*, 3 : 1-12.
- Pearce, F. 2014. Farm salt poisoning costs \$27 billion annually. <https://www.newscientist.com/article/dn26462-farm-salt-poisoning-costs-27-billion-annually/>. Diakses 18 Februari 2016.
- Pemkab Serang. 2014. Waktu Yang Tepat Pemupukan Tanaman Padi <http://serangkab.go.id/web/index.php/post/read/797> Diakses 6 April 2016.

- Pusat Pelatihan Pertanian. 2015. Panen Dan Pengelolaan Pascapanen. <http://www.pertanian.go.id/pajale2015/g1.1.1.SESI%20.%20PANEN%20DAN%20PENGELOLAAN%20PASCAPANEN%20Padi.pdf>. Diakses 18 Oktober 2017.
- PADI Pusdatin Pertanian. 2013. Statistik Luas Baku Lahan Sawah dan Luas Panen Padi. < <http://pusdatin.setjen.pertanian.go.id/publikasi-302-statistik-luas-baku-lahan-sawah-dan-luas-panen-padi.html>>. Diakses 5 Maret 2016.
- Puteh, A.B.&M.M.A Mondal. 2013. Salinity Effect on Dry Mass Partitioning in Different Plant Parts and Ion Uptake in Leaves of Rice Mutants. *J. Environ. Sci. & Natural Resources* 6: 239 – 245.
- Puvanitha, S.&. Mahendran. 2017. Effect of Salinity on Plant Height, Shoot and Root Dry Weight of Selected Rice Cultivars. *Scholars Journal of Agriculture and Veterinary Sciences* 4:126-131.
- Riadi, M, R. Sjahril, N.R. Sennang, N. Kasim. 2014. Aplikasi teknologi *seed priming* dengan beberapa jenis agen *halopriming* terhadap peningkatan toleransi tanaman padi pada cekaman salin. <http://repository.unhas.ac.id/handle/123456789/11779?show=full>. Diakses 8 April 2016.
- Rosawanti, P., M. Ghulamahdi, & N. Khumaida. 2015. Respon Anatomi dan Fisiologi Akar Kedelai terhadap Cekaman Kekeringan *J. Agron. Indonesia* 43: 186 – 192.
- Rosmayati, N. Rahmawati, R. P. Astari dan F. Wibowo. 2015. Analisa pertumbuhan vegetatif kedelai hibridisasi genotipa tahan salin dengan varietas anjasmoro untuk mendukung perluasan areal tanam di lahan salin. *Jurnal Pertanian Tropik* 2: 132-139.
- Rusdiana, O., Y. Fakuara, C. Kusmana, Y. Hidayat. 2000. Respon Pertumbuhan Akar Tanaman Sengon (*Paraserianthes falcataria*) Terhadap Kepadatan Dan Kandungan Air Tanah Podsolik Merah Kuning. *Jurnal Manajemen Hutan Tropika* 6: 45-53.
- Salisbury, F.B. and C.W. Ross. 1995. *Fisiologi Tumbuhan*. Jilid3. Penerbit ITB. Bandung.
- Sembiring, H. dan A. Gani. 2010. Adaptasi varietas padi pada tanah terkena tsunami, Balai Besar Penelitian Tanaman Padi. [http://www.dpi.nsw.gov.au/\\_\\_data/assets/pdf\\_file/0009/199449/Adaptability-of-rice-on-tsunami-affected-soil.pdf](http://www.dpi.nsw.gov.au/__data/assets/pdf_file/0009/199449/Adaptability-of-rice-on-tsunami-affected-soil.pdf). Diakses 8 April 2016.
- Sipayung, R. 2003. Cekaman Garam dan Mekanisme Toleransi Tanaman. <http://www.library.USU.ac.id/download/fp/bdp.rosita2.pdf>. Diakses pada 12 November 2015.
- Soughir, M. Elouaer, M.A and H. Cherif. 2012. Effect of nacl *priming* duration and concentration on germination behavior of fenugreek. *Albanian Agriculture journal* 11: 193-198.

- Staples, R.C dan G.H Toennissen. 1984. Salinity Tolerance in Plants Strategies for Crop Improvement. John Wiley and Sons. Canada.
- Suliasih & S. Widawati. 2016. pengaruh salinitas dan inokulan bakteri terhadap pertumbuhan tanaman terung (*Solanum melongena* L.). *Berita Biologi* 15:17-25.
- Suwarno dan S. Solahudin. 1983. Toleransi varietas padi terhadap salinitas pada fase perkecambahan. *Bul. Agron.* XIV: 1-1.
- Tagliavini, M., L.J. Veto, and N.E. Looney. 1993. Measuring root surface area and mean root diameter of peach seedlings by digital image analysis. *Hortscience* 28:1129-1130.
- Thohiron, M dan H. Prasetyo. 2012. Pengelololaan Lahan dan Budidaya Tanaman Lahan Terdampak Lumpur Marine Sidoarjo. *J-PAL* 3: 2087-3522.
- Tohari. 2017. Gravimetric Approach Method: A simple, rapid, and promising method for estimating root length and root surface area of rice crop using their root characteristic of dry weight, length, and root diameter. Personal Communication. October 9, 2017. Universitas Gadjah Mada.
- Trueman, S. 2016. *Seed priming* : Speeding Up The Germination Process. <http://botany.about.com/od/PlantsAndTheEnvironment/a/Plant-Stresses-Abiotic-And-Biotic-Stresses.htm>. 6 April 2016.
- USDA, NRCS. 2016. *Oryza sativa* L. Rice. <<http://plants.usda.gov/core/profile?symbol=ORSA>>. Diakses 9 Maret 2016.
- Warintek. 2008. Budidaya Pertanian Padi *Oryza sativa*. <<http://warintek.bantulkab.go.id/web.php?mod=basisdata&kat=1&sub=2&file=60>>. Diakses 6 Maret 2016.
- Wilson, D. and J.P. Cooper. 1969. Apparent photosynthesis and leaf characters in relation to leaf position and age, among contrasting *lolium* genotypes. *New Phytologist* 68: 645—655.
- Yahya, S. dan M. Adib. 1992. Uji toleransi terhadap salinitas bibit beberapa varietas kakao. *Buletin Agron.* XX : 35-44.
- Yoshida, S., 1981, fundamentals of rice crop science. International Rice Research Institute. Los Banos, Philippines.
- Yoshiva, S & L. Castaneda. 1969. Partial replacement of potassium by sodium in the rice plant under weakly saline conditions. *Soil Science and Plant Nutrition* 15: 183-186.