

DAFTAR PUSTAKA

- Adzikri, F., Notosudjono, D., & Suhendi, D., 2017. Strategi Pengembangan Energi Terbarukan di Indonesia. *Jurnal Online Mahasiswa (Jom) Bidang Teknik Elektro*, 1(1), 1–13. <http://jom.unpak.ac.id/index.php/teknikelektro/article/view/667>
- Andriani A. Dan M. Isnaini., 2013. Morfologi dan Fase Pertumbuhan Sorgum. Dalam *Sorgum: Inovasi Teknologi dan Pengembangan*. Edisi X. IAARD Press. Badan Penelitian dan Pengembangan Pertanian Kementerian Pertanian.
- Anisa, N., Wulandari, R. S., dan Asnawati., 2016. Pengaruh BAP terhadap Multiplikasi Tunas Anggrek Hitam (*Coelogyne pandurata Lindl*) secara Kultur Jaringan. *Jurnal Hutan Lestari*. 4(4):591-595
- Asikin Y, Wada K., Imai Y., Kawamoto Y., Mizu M., Mutsuura M., Takahashi M., 2018. Compositions, Taste Characteristics Volatile profiles, And Antioxidant Activities Of Sweet Sorghum (*Sorghum bicolor L.*) And Sugarcane (*Saccharum officinarum L.*) Syrups. *Food Measure* 12:884-891.
- Bangun, M. K., Siregar, Z., & Damanik, R., 2016. Respons Pertumbuhan Beberapa Varietas Sorgum (*Sorghum bicolor L.*) Pada Tanah Salin Dengan Pemberian Giberelin. *Jurnal Agroteknologi*, 4(3), 1996–2002.
- Belide S, Vanhercke T, Petrie, J.R., and Singh S.P., 2017. Robust Genetic Transformation Of Sorghum (*Sorghum bicolor L.*) Using Differentiating Embryogenic Callus Induced From Immature Embryos. *Plant Methods*. 13:109.
- Borrell, A.K., J.E. Mullet, B. George-Jaeggli, E.J. van Osterom, G.L. Hammer, P.E. dan Klein, D.R. Jordan., 2014. Drought adaptation of stay-green sorghum is associated with canopy development, leaf anatomy, root growth, and water uptake. *J. Exp. Bot.* 65:6251- 6263
- Damardjati D.S., M. Syam., dan Hermanto., 2013. *Sorgum: Inovasi Teknologi dan Pengembangan*. Jakarta: IAARD Press.
- Du, Y., Qiang, Z., Liru, Chen., Xingdong, Y., Huijin, Z., Junjiang, W., dan Futi, X., 2020. Effect of drought stress during Soybean R2-R6 growth stages on sucrose metabolism in leaf and seed. *International Journal of Molecular Sciences*, 21 (518) 1:19
- Energi, D. K., & Rakhmanto, P. R. I. A., 2016. *Dana ketahanan energi*. 79.

- Fitriyatus, A., Fauzi, A., & Juanda, B., 2018. *Peramalan Penyediaan dan Konsumsi Bahan Bakar Minyak Indonesia dengan Model Sistem Dinamik Prediction of Fuel Supply and Consumption in Indonesia with System Dynamics Model Pendahuluan*. 17(2), 118–137.
- Garzon A.G, and Drago S.R., 2018. Aptitude Of Sorghum (*Sorghum bicolor* (L) Moench) Hybrids For Brewery Or Bio-Functional Malted Beverages. *J Food Biochem*. 42:e12692.
- Geddes, C.C., Nieves, I.U., dan Ingram, L.O., 2011. Advances in ethanol production. *Curr. Opin. Biotechnol.* (22): 312–319
- Giselle M.A. Martínez-Noël, Jorge A. Tognetti., 2018. *Chapter 22 - Sugar Signaling Under Abiotic Stress in Plants*, Editor(s): Parvaiz Ahmad, Mohammad Abass Ahanger, Vijay Pratap Singh, Durgesh Kumar Tripathi, Pravej Alam, Mohammed Nasser Alyemeni. *Plant Metabolites and Regulation Under Environmental Stress*, Academic Press, Pages 397-406.
- Hasanah, U dan Yudono., 2010. Pengaruh Salinitas Terhadap Komponen Hasil Empat Belas Kultivar Sorgum (*Sorghum bicolor* (L) Moench). *Jurnal Hasil Penelitian Universitas Gajah Mada* 1: 7-12
- Hattori, T. dan Shigenori, M., 2010. Energy crops for sustainable bioethanol production; which, where, and how. *Plant Prod. Sci.*, 13(3): 221-234
- Herlinda, Y., 2011. *Pembuatan bioethanol dari nira sorgum dengan proses fermentasi menggunakan yeast Pichia stipites*. Skripsi. Universitas Riau. Riau
- Heyko, E., 2011. Strategi Pengembangan Energi Terbarukan (Bio-fuel) di Indonesia. *Jurnal Ilmiah Mahasiswa FEB Universitas Brawijaya*, 2, 2–15.
- Isah, T., 2019. Stress and defense responses in plant secondary metabolites production. *Biol Res* 52 (39)
- Isdamayani, L., & Panunggal, B., 2015. Kandungan Flavonoid, Total Fenol, Dan Antioksidan Snack Bar Sorgum Sebagai Alternatif Makanan Selingan Penderita Diabetes Mellitus Tipe 2. *Journal of Nutrition College*, 4(4), 342–349. <https://doi.org/10.14710/jnc.v4i4.10108>
- Islam, M.J., Kim, J.W., Begum, M.K., Sohel, M.A.T., dan Lim, Y.-S., 2020. Physiological and Biochemical Changes in Sugar Beet Seedlings to Confer Stress Adaptability under Drought Condition. *Plants*, 9: 1511
- Jordan, D.R., C.H. Hunt, A.W. Cruickshank, A.K. Borrell, R.G., dan Henzell., 2012. The relationship between the stay-green trait and grain yield in elite sorghum hybrids grown in a range of environments. *Crop Sci*. 52:11531161

- Keunen, E.L.S., Darin, P., Jaco, V., Wim, V.D.E., dan Ann, C., 2013. Plant sugars are crucial players in the oxidative challenge during abiotic stress: nextending the traditional concept. *Plant, cell, and environment*, 36(7) 1242-1255
- Khairunnisa, K., Lahay, R., & Irmansyah, T., 2015. Respons Pertumbuhan Dan Produksi Tanaman Sorgum (*Sorghum Bicolor* (L.) Moencherhadap Pemberian Mulsa Dan Berbagai Metode Olah Tanah. *Jurnal Agroekoteknologi Universitas Sumatera Utara*, 3(1), 103459.
- Khazaeian A, Ashori A, dan Dizaj M. Y., 2015. Suitability Of Sorghum Stalk Fibers For Production Of Particleboard. *Carbohydr Polym.* 120:15-2.
- Kholiq, I., 2012. Editorial Board. *Current Opinion in Environmental Sustainability*, 4(1), i. [https://doi.org/10.1016/s1877-3435\(12\)00021-8](https://doi.org/10.1016/s1877-3435(12)00021-8)
- Kim D. H., Gopal J., and Sivanesan I., 2017. Nanomaterials in plant tissue culture: the disclosed and undisclosed. *RSC Advances*. 7(58).
- Kurniawan A. D., dan Wahyu W., 2016. Regenerasi In Vitro Tanaman Bawang Merah (*Allium ascalonicum* L.). *Jurnal Biotropika*. Vol. 4 (1).
- Kusuma, P. C. H. I., 2011. RESPON KETAHANAN BEBERAPA VARIETAS SORGUM MANIS (*Sorghum bicolor* L. Moench) TERHADAP CEKAMAN ALUMINIUM. *Skripsi*.
- Lamessa K., Gudeta G. C., Haile S., Usmael A., and Mechara E., 2016. Evaluation of Sorghum (*Sorghum bicolor* (L) Moench) Varieties and Environements for Yield Performance and Stability. *Journal of Biology, Agriculture and Healthcare*, 6(21).
- Maamouri, A. & Trifa, Youssef & Kouki, K. & Aounallah, M.K. & Karmous, Chahine., 2012. In vitro culture used for screening salt stress tolerant lettuce cultivars. *Acta Horticulturae*. 936: 477-484
- Narayani M. dan Srivastava S., 2020. Elicitation: a stimulation of stress in in vitro plant cell/tissue cultures for enhancement of secondary metabolite production. *Phytochem.*, 16(6):1227–52
- Nemati, I., Moradi, F., Gholizadeh, S., Esmaeli, M.A., dan Bihamta, M.R., 2011. The effect of salinity stress on ions and soluble sugars distribution in leaves, leaf sheaths and roots of rice (*Oryza sativa* L.) seedlings. *Plant Soil Environ.*, 57 (1): 26-3.
- Nofrianinda V., Farida Y, dan Eva A., 2017. Pertumbuhan Planlet Stroberi (*Fragaria ananassa* D) Var. Dorit pada Beberapa Variasi Media Modifikasi In Vitro di Balai Penelitian Jeruk dan Buah Subtropika (BALITJESTRO). *The journal of tropical biology* Vol 1 (1).
- Prabowo, I., dan Rachmawati, D., 2020. Respons Fisiologis dan Anatomi Akar Tanaman Bayam (*Amaranthus tricolor* L.) terhadap Cekaman NaCl.

Jurnal Penelitian Saintek, 25(1): 36-43.

- Rao, P.S., Prakasham, R.S., Rao, P.P., Chopra, S., dan Jose, S., 2015. *Sorghum as a sustainable feedstock for biofuels*. In: Shibu J, Thallada B (eds.) Biomass and biofuels: advanced biorefineries for sustainable production and distribution. CRC Press 2015, Pages 27–48, Print ISBN: 978–1-4665
- Riadh K, Wided M, Hans-Werner K, dan Chedly A., 2010. Responses of halophytes to environmental stresses with special emphasis to salinity. *In Advances in Botanical*, 53: 117- 145
- Rosmayati, N. Rahmawati, R. P. Astari dan F. Wibowo., 2015. Analisa Pertumbuhan Vegetatif Kedelai Hibridisasi Genotipea Tahan Salin Dengan Varietas Anjasmoro Untuk Mendukung Perluasan Areal
- Rifa'I, H., Sumeru, A., dan Damanhuri., 2015. Keragaan 36 aksesi sorgum (*Sorghum bicolor* L.) . *Jurnal Produksi Tanaman*, 3(4): 330-337
- Rinanto, Y., 2010, Kandungan sukrosa dan prolin tebu (*Saccharum officinarum* L.) selama ce-kaman kekeringan, *Jurnal Biomedika*, 8(3):9, diakses pada 10 Agustus 2015 (<http://biomedika.setiabudi.ac.id/images/files/KANDUNGAN%20SUKROSA%20DAN%20PROLIN%20%20%20KULTIVAR%20TEBU.pdf>).
- Romadloni, A., K. P. Wicaksono., 2018, Pengaruh beberapa level salinitas terhadap perkecambahan kacang hijau (*Vigna radiata* L.) varietas Vima 1, *Jurnal Produksi Tanaman*, 6 (8): 1663 – 1670
- Sajid ZA dan Aftab F., 2014. Plant regeneration from in vitro-selected salt tolerant callus cultures of *Solanum tuberosum* L. *Pak. J. Bot.*, 46(4):1507–1514
- Shakeri, E, Emam, Y, Tabatabaei, SA, Sepaskhah, AR., 2017. Evaluation of grain sorghum (*Sorghum bicolor* L.) lines/cultivars under salinity stress using tolerance indices. *International Journal of Plant Production* 11(1): 101–116. <https://doi.org/10.22069/ijpp.2017.3312>.
- Sholihah, N. F dan Triono, B. S., 2016. Respon Tanaman Jagung (*Zea mays* L.) Varietas Manding Terhadap Cekaman Salinitas (NaCl) Secara *In Vitro*
- Sintha, D., 2017. Pengaruh BAP dan Kinetin Terhadap Pertumbuhan Tunas Pisang Barangan (*Musa paradisiaca* L.) Secara *In Vitro*. Program Studi Agroekoteknologi Jurusan Budidaya Pertanian Fakultas Pertanian Universitas Bengkulu. Bengkulu. Skripsi
- Silalahi, M. J., Rumambi, A., Telleng, M. M., & Kaunang, W. B., 2018. Pengaruh Pemberian Pupuk Kandang Ayam Terhadap Pertumbuhan Tanaman Sorgum Sebagai Pakan. *Zootec*, 38(2), 286. <https://doi.org/10.35792/zot.38.2.2018.19909>

- Sitorus, B., Hidayat, R. D. R., & Prasetya, O., 2014. Pengelolaan Penggunaan Bahan Bakar Minyak yang Efektif pada Transportasi Darat. *Jurnal Manajemen Transportasi Dan Logistik*, 01(02), 117–126.
- Sivanesan and S. W. Park., 2015. *Ind Crops Prod.* 76, 323-328.
- Slama I, Abdelly C, Bouchereau A, Flowers T, dan Savoure A., 2015. Diversity, distribution and roles of osmoprotective compounds accumulated in halophytes under abiotic stress. *Annals of Botany*. 115(3): 433-47'
- Srinieng, K., T. Saisavoey and A. Karnchanatat., 2015. Effect of salinity stress on antioxidative enzyme activities in tomato cultured in vitro. *Pak. J. Bot.* 47(1): 1-10..
- Subagio, H., & Aqil, M., 2013. Pengembangan Produksi Sorgum Di Indonesia. *Prosiding Seminar Nasional Inovasi Teknologi Pertanian*, 199–214.
- Subagio, H, Aqil, M., 2014. Perakitan dan pengembangan varietas unggul sorgum untuk pangan, pakan, dan bioenergi. *Iptek Tanaman Pangan* 9(1): 39–50
- Susanti. Y. D., 2012. Seleksi Ketahanan Beberapa Varietas Sorgum Manis (*Sorghum bicolor* L.) Pada Berbagai Konsentrasi Salinitas. Skripsi. Surakarta: Universitas Sebelas Maret.
- Suwarti, Efendi, R., Massinai, R., & Pabendon, M. B. B., 2018. Evaluation of sweet sorghum (*Sorghum bicolor* L.[Moench]) on several population density for bioethanol production. *IOP Conference Series : Earth and Environmental Science*, 141(012032), 1–11. <https://doi.org/10.1088/1755-1315/141/1/012032>
- Snyman, S.J., Mhlanga, P., dan Watt, M.P., 2015. Rapid screening of sugarcane planlets for in vitro mannitol-induced stress. *Sugar tech.*, 18(4): 437-440.
- Tsago, Y., Mebeaselassie, A., dan Abuhay, T., 2013. In Vitro screening for drought tolerance in different sorghum (*Sorghum bicolor* (L.) Moench) varieties. *Journal of stress physiology & biochemistry*, 9(3) 72-83.
- USDA., 2015. Food Reports. National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).
- Vanamala J.K, Massey A.R, Pinnamaneni S.R, Reddivari L., Reardon K. F., 2018. Grain And Sweet Sorghum (*Sorghum bicolor* L. Moench) Serves As A Novel Sources Of Bioactive Compounds For Human Health. *Crit Rev Food Sci Nutr.* 58: 2867-2881.
- Wahyuningsih, S., A. Kristiono, A. Taufiq., 2017, Pengaruh jenis amelioran terhadap pertumbuhan dan hasil kacang hijau di tanah salin, *Buletin Palawija.*, 15 (2): 69 – 77.

Widiayani, N. 2016. Daya Kecambah Benih Beberapa Varietas Jagung Pada Berbagai Tingkat Radiasi Sinar Gamma Dan Tingkat Salinitas. Fakultas Pertanian Universitas Hasanuddin. Makassar.

Wiratmaja, I. G., & Elisa, E., 2020. Kajian Peluang Pemanfaatan Bioetanol Sebagai Bahan Bakar Utama Kendaraan Masa Depan Di Indonesia. *Jurnal Pendidikan Teknik Mesin Undiksha*, 8(1), 1. <https://doi.org/10.23887/jptm.v8i1.27298>

