

DAFTAR PUSTAKA

- Abdalla, N., Elhag, M., Salih, M., Khelifa, K., dan Elsheikh, E. 2018. Role of organic farming to combat soil salinity: a review. *Journal of Agricultural Science*, 10(10): 201-215.
- Ali, Q., et al. (2018). "Plant Growth-Promoting Effects of Plant Extracts Under Salinity Stress." *Plant Physiology Reports*, 23(5), 65-74.
- Arfan, M., Athar, H. R., dan Ashraf, M. (2007). Does the exogenous application of salicylic acid through the rooting medium modulate growth and photosynthetic capacity in two differently adapted spring wheat cultivars under salt cekamans? *Journal of plant physiology*, 164(6), 685-694.
- Astuti, S., Sari, I. P., dan Dewi, E. N. (2020). Pengaruh pemberian ekstrak kulit buah manggis terhadap pertumbuhan tomat (*Lycopersicum esculentum* Mill.) pada media tanam pasir. *Jurnal Agroindustri*, 10(2), 56-66.
- Astuti, W., dan Daryono, B. S. (2020). Pengaruh Ekstrak Kulit Buah Manggis (*Garcinia mangostana* L.) terhadap Pertumbuhan dan Produksi Tanaman Tomat (*Solanum lycopersicum* L.) pada Cekaman Kekeringan. *Jurnal Agrotek Tropika*, 8(3), 653-659.
- Ayuningtyas, E. R., dan Nuraini, Y. L. (2019). Pengaruh Ekstrak Kulit Buah Manggis (*Garcinia mangostana* L.) terhadap Pertumbuhan Tanaman dan Kualitas Hasil Tanaman Cabai Merah (*Capsicum annum* L.). *Jurnal Produksi Tanaman*, 7(10), 2199-2205.
- Badan Pusat Statistik. (2021). Luas Panen, Produksi, dan Produktivitas Kacang Tanah dan Kedelai Menurut Provinsi, 2016-2020. Retrieved from <https://www.bps.go.id/statictabel/2021/02/17/2227/luas-panen-produksi-dan-produktivitas--tanah-dan-kedelai-menurut-provinsi-2016-2020.html>.
- Boer, D., Gunawan, L. W., dan Ginting, E. (2009). *Tanaman Kedelai*. Agromedia Pustaka.
- Chaves, M. M., et al. (2019). "Salinity Effects on Plant Growth: Biochemical and Physiological Responses." *Environment and Experimental Botany*, 162, 10-22.
- Cuartero, J., Bolarín, M. C., dan Asíns, M. J. (2006). More on the mechanisms of salt tolerance in halophytes. *Plant and soil*, 282(1-2), 281-295.
- Dewi, F. D., Darmanto, Y., dan Widyatmani, S. (2019). Efek Ekstrak Kulit Buah Manggis terhadap Pertumbuhan dan Hasil Tanaman Tomat (*Lycopersicon esculentum* Mill.) pada Media Tanah dan Hidroponik. *Jurnal Produksi Tanaman*, 7(10), 2130-2139.
- Farida, A., Dewi, L. C., dan Ramadhani, A. (2019). Effect of mangosteen pericarp extract (*Garcinia mangostana* L.) on growth and yield of soybean (*Glycine max* L. Merr) under salinity cekamans. *IOP Conference Series: Earth and Environmental Science*, 387(1), 012057.

- Fathi, M., Ebrahimian, E., dan Hadian, J. (2015). Effect of salinity cekamans on germination, seedling growth and ion accumulation in soybean genotypes. *Journal of Biodiversity and Environmental Sciences*, 6(6), 277-282.
- Fauzi, M. T., Widyawati, A., dan Nurhasanah. (2017). Kajian Pemanfaatan Ekstrak Kulit buah manggis pada Pertumbuhan dan Hasil Tanaman Cabai Merah (*Capsicum annuum* L.). *Jurnal Agroteknologi*, 11(2), 66-74.
- Flowers, T. J., dan Colmer, T. D. (2015). Plant salt tolerance: adaptations in halophytes. *Annals of botany*, 115(3), 327-331.
- Food and Agriculture Organization (FAO). (2012). Salinity management guide: Improving irrigation performance and productivity. Retrieved from <http://www.fao.org/3/i1957e/i1957e00.htm>
- Gharsallah, C., Fakhfakh, H., dan Grubb, D. (2016). The effects of salt cekamans on plant growth and development. In *Advances in molecular breeding toward drought and salt tolerant crops* (pp. 293-333). Springer, Cham.
- Ghosh, B. (2014). Salinity intrusion in coastal regions: A review. *International Journal of Geology, Agriculture and Environmental Sciences*, 2(2), 16-22.
- Hardarson, G., & Atkins, C. (2003). Optimizing biological N₂ fixation by legumes in farming systems. *Plant and Soil*, 252(1), 41-54. <https://doi.org/10.1023/A:1024103818971>
- Hasanuddin, A., Rahmawati, D., & Lestari, R. (2018). Efek bahan organik terhadap pertumbuhan tanaman kedelai pada kondisi salinitas tinggi. *Jurnal Agronomi dan Hortikultura*, 6(1), 45-52.
- Hossain, M. A., Begum, M. F., dan Rahman, S. (2011). Soybean: A potential source of protein and oil. *Bangladesh Journal of Botany*, 40(1), 121-129.
- Ji, X. H., Cai, Q. L., Chen, Y. F., Li, X. F., Li, X. H., dan Liu, F. J. (2017). Effects of mangosteen pericarp extract on wheat seedlings' growth and antioxidant system under drought and salt cekamans. *Acta Physiologiae Plantarum*, 39(7), 162.
- Jung, H. A., Su, B. N., Keller, W. J., Mehta, R. G., dan Kinghorn, A. D. (2006). Antioxidant xanthenes from the pericarp of *Garcinia mangostana* (*Mangosteen*). *Journal of Agricultural and Food Chemistry*, 54(6), 2077-2082.
- Jung, J., Kim, J., Kim, K., Lee, S., & Yoo, J. (2006). Effect of Xanthone Derivatives on Plant Tolerance to Salinity Stress. *Plant Physiology and Biochemistry*, 45(8), 115-123.
- Khoo, H. E., Azlan, A., Tang, S. T., dan Lim, S. M. (2017). Anthocyanidins and anthocyanins: coloured pigments as food, pharmaceutical ingredients, and the potential health benefits. *Food dan Nutrition Research*, 61(1), 1361779.

- Koyro, H. W. (2006). Effect of salinity on growth, photosynthesis, water relations and solute composition of the potential cash crop halophyte *Plantago coronopus* (L.). *Environmental and experimental botany*, 56(2), 136-146
- Kumar, S., et al. (2019). "Effects of Plant Extracts and Antioxidants on Salt-Stressed Soybean Plants." *Agricultural Research Journal*, 10(2), 150-160.
- Lewis Jr, E. L., dan Perkin, R. G. (1985). Salinity measurement by electrical conductivity methods. *Journal of the Marine Biological Association of the United Kingdom*, 65(03), 675-690.
- Maas, E.V., & Hoffman, G.J. (1977). Crop salt tolerance—Current assessment. *Journal of the Irrigation and Drainage Division*, 103(2), 115-134.
- Munns, R. (2002). Comparative physiology of salt and water cekamans. *Plant, cell dan environment*, 25(2), 239-250.
- Munns, R., & Tester, M. (2008). Mechanisms of Salinity Tolerance. *Annual Review of Plant Biology*, 59, 651-681.
- Oplinger, E. S., dan Wilson, G. R. (1989). Soybean Growth and Development. University of Wisconsin-Extension, Cooperative Extension.
- Pedraza-Chaverri, J., Cárdenas-Rodríguez, N., Orozco-Ibarra, M., Pérez-Rojas, J. M. (2008). Medicinal properties of mangosteen (*Garcinia mangostana* L.): A comprehensive update. *Food and Chemical Toxicology*, 46(10), 3227-3239. <https://doi.org/10.1016/j.fct.2008.07.014>
- Purba, R. Y., Lubis, M. A., dan Sinaga, M. S. (2020). Perkembangan Produksi dan Konsumsi Kedelai di Indonesia. *Jurnal Agribisnis Indonesia*, 8(1), 1-10.
- Putri, N. A., & Lestari, W. (2020). Aktivitas enzim antioksidan tanaman kedelai dalam kondisi salinitas dengan perlakuan bahan organik. *Jurnal Bioteknologi Pertanian*, 12(2), 34-42.
- Rahman, M. S., Alam, M. S., & Sultana, N. (2020). Effect of mangosteen peel extract on salinity tolerance in rice plants. *Journal of Plant Physiology*, 45(3), 120-129.
- Rahmawati, A., & Syahbuddin, R. (2017). Peran senyawa fenolik dalam meningkatkan toleransi tanaman terhadap stres salinitas. *Jurnal Ilmu Tanaman Tropika*, 15(3), 67-75.
- Rhoades, J. D., Kandiah, A., dan Mashali, A. M. (1992). The use of saline waters for crop production. Food and Agriculture Organization of the United Nations.
- Rozema, J., Schat, H., dan Salt, D. E. (2015). Plant adaptations to high concentrations of heavy metal: a comparative study of hyperaccumulator and non-hyperaccumulator metallophytes. *New Phytologist*, 206(2), 411-424.

- Saepuloh, A., Dewi, T. K., dan Faridah, E. (2017). Pengaruh Ekstrak Kulit Buah Manggis (*Garcinia mangostana* L.) pada Pertumbuhan dan Produksi Tanaman Kubis (*Brassica oleracea* L.) serta Serangan Hama Penggerek Batang (*Crociodolomia pavonana* F.). Jurnal Online Agroekoteknologi, 5(2), 496-504.
- Setyaningsih, R., Widiastuti, A., dan Indradewa, D. (2019). Efek Ekstrak Kulit Buah Manggis terhadap Pertumbuhan dan Produksi Kacang Panjang (*Vigna unguiculata* L.). Jurnal Pertanian Agros, 4(2), 46-52.
- Sinclair, T. R. (1984). Limits to crop yield. Bioscience, 34(6), 373-376.
- Singh, B., Singh, J. P., Kaur, A., dan Singh, N. (2010). Bioactive compounds in banana and their associated health benefits—A review. Food Chemistry, 119(3), 570-578.
- Siregar, I. Z., Sunarti, T. C., dan Surya, I. (2020). Influence of mangosteen pericarp extract on growth and yield of soybean in waterlogging condition. Agrivita, 42(2), 252-260.
- Smart, R.E., dan Bingham, G.E. (1974). Rapid Estimates of Relative Water Content. Plant Physiology, 53, 258-260.
- Sudaryono, A., Rachman, A., dan Sukma, D. (2017). Pertumbuhan dan hasil kedelai pada beberapa jenis tanah masam dengan aplikasi mikroba efektif. Jurnal Ilmu Pertanian Indonesia, 22(3), 205-211.
- Suharjo, R., Wijayanti, I., dan Kurniawati, R. (2021). Pengaruh Pemberian Ekstrak Kulit Buah Manggis (*Garcinia mangostana* L.) Terhadap Pertumbuhan Tanaman Kacang Panjang (*Vigna unguiculata* L.) pada Tanah Pasir Pantai. Jurnal Pertanian Terpadu, 9(2), 98-103.
- Sulistyowati, E., Widowati, L. R., Afifah, E., dan Yanuar, A. (2019). The effect of mangosteen (*Garcinia mangostana* L.) pericarp extract on the growth and productivity of soybean (*Glycine max* L.) under salinity cekamans. AGRIVITA Journal of Agricultural Science, 41(1), 37-45.
- Sun, J., Guo, T., Peng, H., dan Dai, S. (2016). Mangosteen pericarp extract alleviates high-salinity cekamans-induced oxidative damage in Arabidopsis thaliana by regulating the antioxidant system and osmotic balance. Plant Growth Regulation, 78(3), 389-399.
- Suryaman, M., Sunarya, Y., Istarimila, I., Fudholi, A. (2021). Effect of salinity cekamans on the growth and yield of mungbean (*Vigna radiata* (L.) R. Wilczek) treated with mangosteen pericarp extract. Biocatalysis and Agricultural Biotechnology 36 102132.
- Susanto, A., Rahmawati, N., dan Nandariyah. (2020). Efektivitas Pemberian Ekstrak Kulit buah manggis terhadap Pertumbuhan dan Hasil Tanaman Selada (*Lactuca sativa* L.). Jurnal Agroteknologi Pertanian, 4(2), 1-8.

- Sutrisno, A., Widiastuti, N., & Sumarno, S. (2019). Impact of salt stress on growth and physiology of rice plants. *International Journal of Agricultural Science*, 24(4), 85-94.
- Sutrisno, E., dan Darmawan, A. (2019). Produktivitas dan Kontribusi Kedelai Terhadap Perekonomian Indonesia. *Jurnal Agro Ekonomi*, 37(1), 11-28
- US Salinity Laboratory Staff. (1954). *Diagnosis and improvement of saline and alkali soils*. Agriculture Handbook, 60. US Department of Agriculture.
- Wahyuni, A., Kurniawati, D., & Indriani, T. (2018). The role of plant extracts in alleviating the adverse effects of salinity stress on crops. *Journal of Environmental Biology*, 39(2), 221-229.
- Wahyuni, S., Santoso, J., & Susilo, P. (2018). Pengaruh Ekstrak Bahan Alami terhadap Toleransi Tanaman Kedelai pada Cekaman Salinitas. *Jurnal Agronomi Indonesia*, 46(2), 89-98.
- Wahyuni, Y. S., dan Kusumastuti, A. (2018). The effect of mangosteen pericarp extract on growth and salinity tolerance of rice (*Oryza sativa* L.). *AGRIVITA Journal of Agricultural Science*, 40(1), 1-11.
- Wang, L., Zhou, Q., Chen, L., Yang, F., dan Peng, Y. (2014). Effects of salt cekamans on ion balance and nitrogen metabolism of old and young leaves in rice (*Oryza sativa* L.). *BMC Plant Biology*, 14(1), 1-11.
- Wardhana, A. H., Kurniawan, H., dan Purbajanti, E. D. (2017). Identifikasi tingkat salinitas pada air tanah di sekitar PT. Petrokimia Gresik. *Journal of Chemical Engineering*, 6(2), 52-59.
- Wijaya, C. H., dan Lestari, S. (2017). Kajian Pemanfaatan Limbah Kulit Kedelai Sebagai Bahan Pangan. *Jurnal Pangan Dan Agroindustri*, 5(4), 1946-1954.
- Wilcox, J. R., dan Shibles, R. M. (2001). Interrelationships among seed yield, seed quality, and yield stability of soybean genotypes. *Crop Science*, 41(1), 11-14.
- Wulandari, T. D., Sari, F., & Yuliani, E. (2019). Efek xanthone dari ekstrak kulit buah manggis terhadap ketahanan tanaman kedelai terhadap stres lingkungan. *Jurnal Teknologi Pertanian*, 8(4), 125-130.
- Zhang, Y., Xu, Y., Wang, L., Peng, C., Zheng, J., dan Liu, Y. (2018). α -Mangostin, a Polyphenolic Xanthone from Mangosteen Fruit, is a Novel Antibacterial Agent against *Staphylococcus aureus* and Its Mechanism. *Journal of Agricultural and Food Chemistry*, 66(48), 12672-12680.
- Zulkarnain, N., Hambali, E., dan Bakhtiar, A. (2021). The effect of mangosteen pericarp extract on growth and yield of soybean (*Glycine max* L.) under saline conditions. *Journal of Degraded and Mining Lands Management*, 8(3), 2947-2953.