DAFTAR PUSTAKA

Akbar, O., & Eriani Munandar, D. (2023). Pengaruh Pemberian Silika Terhadap Pertumbuhan dan Produksi Tanaman Jagung Pulut (Zea Mays Ceratina L.) Varietas Lokal Bojonegoro. *Berkala Ilmiah Pertanian*, 6(2), 91-97.

Alkhairi, M., Suwardji., A. A L. Bakti, 2020. Respon Pertumbuhan Tanaman sorgum (*Sorghum bicolor* (L.) Moench) Terhadap Penggunaan Cocopeat, Pupuk Kandang Sapi dan Pupuk Silikat di Lahan Kering Lombok Utara. *Journal Of Soil Quality And Management* 7(1) : 1-9

Al-Zandi, A. A. 2019. Influence of Silica Nanoparticles on Germination and Early Seedling Growth of *Sorghum bicolor* L. under Water Stress. *International Journal of Botany Studies*. Vol 4 (1) : 45-49

Amin, M., Juita., N. Asnawi. (2023). Application of nano silica fertilizer in agricultural sustainability (a review). IO*P Conference Series: Earth and Environmental Science*, Vol. 1230 (1) : 1-8

Amrullah. 2015. Pengaruh Nanosilika Terhadap Pertumbuhan, Respon Morfofisiologi dan Produktivitas Tanaman Padi (Oryza sativa L.). *Disertasi*. Institut Pertanian Bogor. Bogor.

Aryani, N. F., K. Khatimah., N. F. Tajuddin, Khairunnisa, N. M., N. Magfira, N. W. Aminuddin. 2022. *Budidaya Tanaman Sorgum (Sorghum bicolor (L.) Moench)*. Jurusan Biologi FMIPA UNM & Balai Penelitian Tanaman Serealia, Makassar

Attia ,Eman A., Elhawat, Nevien. 2021. Combined foliar and soil application of silica nanoparticles enhances the growth, flowering period and flower characteristics of marigold (*Tagetes erecta* L.). *Scientia Horticulturae*. Vol. 281

Bhato, M. A. 2016. Respon Pertumbuhan dan Hasil Jagung (Zea mays, L.) Varietas Pioner Terhadap Berbagai Takaran Pupuk Kandang Babi dan Jarak Tanam. *Jurnal Pertanian Konservasi Lahan Kering*. Vol 1 (2) : 85–89

Candra, S. D., Ngatimun., Suharsono, J. 2019. *Aplikasi Nano Silika Pada Tanaman*. Penerbit LPPM UPM, Probolinggo

Cho, L. H., Richa P., Jinmi Y., Jong-Seon J., Gynheung A. 2018. Roles of Sugars in Controlling Flowering Time. *J. Plant Biol*. Volume 61:121-130

Clarah, S., Hastuti, R. B., & Darmanti, S. (2017). Pengaruh Pupuk Nanosilika Terhadap Pertumbuhan, Ukuran Stomata Dan Kandungan Klorofil Cabai Rawit (Capsicum frutescens Linn) Varietas Cakra Hijau. *Jurnal Akademika Biologi*,Vol. 6(2) : 26-33.

Coskun D, Deshmukh R, Sonah H, et al.. 2019. The controversies of silicon's role in plant biology. *New Phytologist.* Vol. 221: 67–85.

Farooq M. A., Ali S., Hameed A., Ishaque W., Mahmood K., Iqbal Z. (2013). Alleviation of cadmium toxicity by silicon is related to elevated photosynthesis, antioxidant enzymes; suppressed cadmium uptake and oxidative stress in cotton. *Ecotoxicol. Environ. Saf*. Volume 96 : 242–249

Filho, D.B.F., Ranulfo, P. Enivaldo C. R., Mariana, B., José A. S., Manoel L. W. D. S., Jacira G. M. 2013. When Is Statistical Significance Not Significant ? *Brazilian Political Science Review*. Vol. 7(1) : 31-55

Fitriani, E.S., Z. Abidin., Y. Lestari. 2023. Pelapisan Benih dengan Aktinobakteri untuk Meningkatkan Pertumbuhan Tanaman Padi. *Jurnal Sumberdaya Hayati*. Volume 9 (2) :81-86

Hoang, C. V., Thoai, D. N., Cam, N. T. D., Phuong, T. T. T., Lieu, N. T., Hien, T. T. T., Nhiem, D. N., Pham, T. D., Tung, M. H. T., Tran, N. T. T., Mechler, A., & Vo, Q. V. 2022. Large-Scale Synthesis of Nanosilica from Silica Sand for Plant Stimulant Applications. *ACS omega*, 7(45) : 41687–41695. https://doi.org/10.1021/acsomega.2c05760

Jung, Christian & Müller, Andreas. (2009). Flowering time control and applications in plant breeding. *Trends in plant science*. 14. 563-73. 10.1016/j.tplants.2009.07.005.

Kumar, Santosh & Milstein, Yonat & Brami, Yaniv & Elbaum, Michael & Elbaum, Rivka. (2016). Mechanism of silica deposition in sorghum silica cells. *The New phytologist*. 213. 10.1111/nph.14173.

Kumar S, Adiram-Filiba N, Blum S, et al.. 2020. Siliplant1 protein precipitates silica in sorghum silica cells. *Journal of Experimental Botany.* Vol. 71: 6830–6843.

Kumar S, Elbaum R.. 2018. Interplay between silica deposition and viability during the life span of sorghum silica cells. *New Phytologist*. Vol. 217: 1137–1145.

Kumar S, Milstein Y, Brami Y, Elbaum M, Elbaum R.. 2017. Mechanism of silica deposition in sorghum silica cells. *New Phytologist*. Vol. 213: 791–798.

Kurniasari, Rina., Suwarto., E. Sulistyono. 2023. Pertumbuhan dan Produksi Tanaman Sorgum (*Sorghum bicolor* (L.) Moench) Varietas Numbu dengan Pemupukan Organik yang Berbeda. *Buletin Agrohorti*. Volume 11(1): 69-78

Laane, Henk-Maarten. 2018. The Effects of Foliar Sprays with Different Silicon Compounds. *Plants*. Vol. 7 (45) : 1-22

Liu, Ze-Hou & Yang, Bin & Chen, Hua & Zhang, Hong & Hou, Da-Bin. (2020). The contribution of photosynthesis traits and plant height components to plant height in wheat at the individual quantitative trait locus level. *Scientific Reports*. 10. 12261. 10.1038/s41598-020-69138-0.

Ma. 1998. Flowering time: From photoperiodism to florigen. *Current Biology*. Vol 8 : R690–R692.

Ma JF, Miyake Y, Takahashi E. 2001. Silicon as a beneficial element for crop plants. In: LE Datnoff, GH Snyder, GH Korndörfer, eds. *Silicon in agriculture*. New York, NY, USA: Elsevier Science, 17–39.

Mantovani, Cibele; Pivetta, Kathia Fernandes Lopes; de Mello Prado, Renato; de Souza, Jonas Pereira; Nascimento, Carolina Seno; Nascimento, Camila Seno; GratÃ£o, Priscila Lupino (2020). Silicon toxicity induced by

different concentrations and sources added to in vitro culture of epiphytic orchids. *Scientia Horticulturae*, Vol. 265 1-8

Mathur, P., Roy, S. 2022. Nanosilica Facilitates Silica Uptake, Growth and Stress Tolerance in Plants. *Plant Physiology and Biochemistry,* Vol. 157 : 114-127

Melo, S. P., G. H. Korndörfer, C. M. Korndörfer, R. M. Q Lana, D. G. Santana. 2003. Silicon accumulation and water deficit tolerance in Brachiaria grasses. *Sciencia Agricola*. Volume 60 : 755–759.

Nasrudin, N., & Kurniasih, B. (2018). Growth and yield of Inpari 29 rice varieties on raised-bed and different depths of sunken-bed in saline field. *Jurnal Ilmu Pertanian (Agricultural Science)*, Vol. 3(3) : 135–45

Nurmala, T., A.Yuniarti, N. Syahfitri. 2016. Pengaruh berbagai dosis pupuk silika organik dan tingkat kekerasan biji terhadap pertumbuhan dan hasil tanaman hanjeli pulut (*Coix lacryma jobi* L) genotip 37. *Jurnal Kultivasi* Vol. 15(2) : 133-142

Oosterhuis, Derrick. 2009. Foliar Fertilization: Mechanisms And Magnitude Of Nutrient Uptake .*Proceedings of the fluid forum*. : 15-17

Parimala, M., Jatinder, S. 2022. Soil and foliar application of silicon on quality parameters and yield of horticultural crops. *The Pharma Innovation Journal.* Vol.-11(5): 427-433

Pramesti, D. I. 2021. *Analisis Perkembangan Vegetatif dan Generatif Tumbuhan Model Rorippa indica (L) Hiern*. UIN Sunan Kalijaga Yogyakarta, Yogyakarta

Pratama , Andi Jaya., Laily, Ainun Nikmati. 2015. Analisis Kandungan Klorofil Gandasuli (*Hedychium gardnerianum* Shephard ex Ker-Gawl) pada Tiga Daerah Perkembangan Daun yang Berbeda. *Seminar Nasional Konservasi dan Pemanfaatan Sumber Daya Alam* 2015. 216-219

Pratiwi, E. S. 2019. Pengaruh Pemberian Aspirin Terhadap Pertumbuhan Tanaman Jagung Sebagai Media Pembelajaran Materi Pertumbuhan Dan Perkembangan. *Skripsi*. Institut Agama Islam Negeri Tulungagung, Tulungagung

Putri, F. M., S. W. A. Suedy. & S. Darmanti. (2017). Pengaruh Pupuk Nanosilika Terhadap Jumlah Stomata, Kandungan Klorofil dan Pertumbuhan Padi Hitam (*Oryza sativa* L. cv. japonica). *Buletin Anatomi dan Fisiologi*, 2(1), 72-79. https://doi.org/10.14710/baf.2.1.2017.72-79

Sabatini, S. D. R. Budihastuti., S. W. A. Suedy. Pengaruh Pemberian Pupuk Nanosilika terhadap Tinggi Tanaman dan Jumlah Anakan Padi Beras Merah (*Oryza sativa* L.var. *indica*). *Buletin Anatomi dan Fisiologi* 2 (2) : 128-133

Setiyaningrom, I. T. I., E. Saptiningsih, S. Darmanti. 2022. Pola Pertumbuhan Tanaman Sorgum (*Sorghum bicolor* (L.) Moench) Dengan Perlakuan Monosodium Glutamat. *Buletin Anatomi dan Fisiologi* 7 (2) : 60-65

Sitorus, M. A., R. Sipayung., J. Ginting. 2019. Respon Pertumbuhan dan Produksi Sorgum (*Sorghum bicolor* (L.) Moench) terhadap Dosis dan Waktu Aplikasi Pupuk Silika. *Jurnal Agroekoteknologi FP USU*. Volume 7 (2) : 433-439

Suarni. 2016. Peranan Sifat Fisikokimia Sorgum Dalam Diversifikasi Pangan Dan Industri Serta Prospek Pengembangannya. *Jurnal Litbang Pertanian* 35(3) : 99-110

Tanaka, A., Ito, H., Tanaka, R., Tanaka, N.K., Yoshida, K. Okada, K. 1998. Chlorophyll A Oxygenase (CAO) is Involved In Chlorophyll B Formation From Chlorophyll A. *Biological Science*. Vol. 95 (21) : 12719-1272

Taufiq, F., B. A. Kristanto. F. Kusmiyati. 2020. Pengaruh Pupuk Silika Terhadap Pertumbuhan dan Produksi Kedelai pada Tanah Salin. *Agrosains : Jurnal Penelitian Agronomi* 22(2): 88-93

Timotiwu, Paul Benyamin., Nurmauli, Niar., Yulianti, Peni. 2017. Application of Manganese and Silica through Leaves and Their Effect on Growth and Yield of Rice in Rice Field in Village of Sinar Agung, Sub-district of Pulau Panggung, District of Tanggamus, Lampung Province, Indonesia. *MAYFEB Journal of Agricultural Science.* Vol 4 : 48-60

Yuniarti, A., T. Nurmala, E. Solihin, dan N. Syahfitri. 2017. Pengaruh Dosis Pupuk Silika Organik Terhadap Silika Tanah Dan Tanaman, Pertumbuhan Dan Hasil Hanjeli (*Coix Lacryma-Jobi* L.). J*urnal Agrosains dan Teknologi*, Vol. 2 (2) : 81-94

Zhou, J., P. Li., J. Wang., W. Fu. 2019. Growth, Photosynthesis, and Nutrient Uptake at Different Light Intensities and Temperatures in Lettuce. *Hortscience*. Volume 54(11): 1925–1933