DAFTAR PUSTAKA

Abbas, S. M. 2013. The Influence of Biostimulants on The Growth and on The Biochemical Composition of Vicia faba CV. Giza 3 Beans. Romanian Biotechnological Letters, 18(2): 8061-8068.

Abdalla, M. M. 2013. The potential of Moringa oleifera extract as a biostimulant in enhancing the growth, biochemical and hormonal contents in rocket (*Eruca vesicaria* subsp. sativa) plants. Int. *J. Plant Physiol*. *Biochem.* 5(3): 42-49.

Abdelgadir, H.A., Manoj. G.K, Adeyemi. O.A, and Johannes, V.S. 2013. Smoke-Water and Karrikinolide (KAR_1) Foliar Applications Promote Seedling Growth and Photosynthetic Pigments of the Biofuel Seed Crop *Jatropha curcas* L. *J Plant Nutr Soil Sci* (176): 743-747.

Adiaha, M S. 2017. Moringa Oliefera as Nutrient-agent for biofertilizer production.Word News of Natural Sciencies. 10 : 101-104.

Afdi, E., Zulifwadi, Artati, F., dan Garna, S. 2005. Kajian umur panen Kubis Singgalang. Prosiding Seminar Nosionat Teknologi lnovatif Pascapanen untuk Pengembongon lndustri Berbosis Pertonian. Payakumbuh,

Ahanger, M.A., Morad-Talab, N., Abd-Allah, E.F., Ahmad, P. and Hajiboland, R., 2016. Plant growth under drought stress: significance of mineral nutrients. *Water stress and crop plants: a sustainable approach*, *2*. John Wiley & Sons, Ltd. New Jersey.

Amaglo, N.K., Timpo, G.M., Ellis, W.O and Bennet, R.N. 2006. Effect of Spacing Harvest Frequency on the Growth and Leaf Yield of Moringa (*Moringa oleifera* Lam), a Leafy Vegetable Crop. *Accra, Ghana*, 16-18

Amril, B., A. Tanjung, F. Nurdin, Yulimasni, Len Bahri, K. Zen, M. Ali, Aguswaman, E. Afdi, Zulifwadi, S. Gama, Burhanizar, M. Arsyad, I. Rusli, Azman, Ramailis, Mulyasdi, Maizir dan Sri Gumala Dewi. 2003. Laporan akhir Pengkajian Pengelolaan Tanaman Terpadu (PTT) Sayuran Unggul Pada Kawasan Sentra Umur panenSumbar. Proyek Pengkajian Teknologi Pertanian Partisipatif. Balai Pengkajian Teknologi Pertanian Sumatera Barat. Badan Penelitian dan Pengembangan Pertanian. Departemen Pertanian. Hal: 29-30.

Amriyanti, F.L., Purity, S.A. 2019. Aplikasi Sari Daun Kelor Sebagai Zat Pengatur Tumbuh Organik Terhadap Pertumbuhan Dan Kadar Klorofil Tanaman Kedelai (*Glycine max* (L.) Merr.). *Stigma* 12 (2): 82-88

Arnon, D.I. 1994. Copper enzymes in isolated chloroplast, polyphenol oxidase in Beta vulgaris. Plant Physiology. 2: 1-15.

Asriyanti, A.S. dan Bondan, H.S. 2020. Aplikasi Mol Daun Kelor dan Rebung Bambu Terhadap Pertumbuhan dan Hasil Tanaman Pakcoy (*Brasicca rapa* L.). *Jurnal Ilmiah Agrosans*. 6 (2) : 78-82.

Badan Pusat Statistika (BPS). 2017. Statistik Tanaman Sayuran dan Buah-buahan semusim Indonesia 2017. Badan Pusat Statistika. Jakarta.

Baharuddin, R., Chozin, M. A., & Syukur, M. (2014). Toleransi 20 genotipe tanaman tomat terhadap naungan. Jurnal Agronomi Indonesia (Indonesian Journal of Agronomy), 42(2), 130-135.

Banu, H., R.I.C.O. Taolin, dan M.A. Lelang. 2015. Pengaruh konsentrasi pupuk mitra flora dan ekstrak daun kelor (*Moringa oleifera*) terhadap pertumbuhan dan hasil tanaman sawi (*Brassica juncea* L.). *Jurnal Pertanian Konservasi Lahan Kering*. 1(1): 8-12.

Berke1, T., L.L. Black, N.S. Talekar, J.F. Wang, P. Gniffke, S.K. Green, T.C. Wang, dan R. Morris. 2005. Suggested Cultural Practices for Chili Pepper. AVRDC pub # 05- 620. P.O. Box 42, Shanhua; Taiwan 741

Bey H. 2010. All things moringa the story of an amazing tree of life. Beltville Human Nutrition Research Center Agricultural Research Service U.S. Departement of Agriculture Maryland.

Buntoro, B.H., R. Rogomulyo dan S. Trisnowati. 2014. The Effect of Manure Fertilizer Dosage and Light Intensity on Growth and Yield of Zedoary (*Curcuma zedoaria* L.). Jurnal Vegetalika. Vol 3 (4) : 29 – 39.

Bustami. Sufardi dan Bakhtiar. 2012. Serapan Hara Dan Efisiensi Pemupukan Serta Pertumbuhan Padi Varietas Lokal. *Jurnal Manajemen Sumberdaya Lahan.* Volume 1, Nomor 2, hal.159-170

Calvo, P., L. Nelson dan J.W. Kloepper. 2014. Agricultural uses of plant biostimulants. *Plant and Soil*. 383 (1-2): 3-41

Chaturvedi, I. 2005. Effect of Nitrogen Fertilizers on Growth, Yield, and Quality of Hibrid Rice (*Oryza sativa*). Journal Central European Agriculture. 6 (4): 611-618

Culver, M., T. Fanuel., A. Chiteka. 2012. Effect of Moringa Extract on Growth and Yield of Tomato. *Greener Journal of Agricultural Sciences*. 2 (5): 207-211

Du Jardin, P. 2012. The Science of Biostimulant: A Bibliography Analysis. Contract 30-CE0455515/00-96, Ad Hoc Study On Bio-Stimulant Products. handle.net /2268/169257

Du Jardin, P. 2015. Plant Biostimulants: Definition, concept, main categories and regulation. *Scientia Horticulturae*. http://dx.doi.org/10.1016/j.scienta. 2015. 09.021

Emongor, V. E. 2015. Effects of Moringa (*Moringa Oleifera*) Leaf Extract on Growth, Yield and Yield Components of Snap Beans (*Phaseolus vulgaris*). *British Journal of Applied Science and Technology* 6(2); 114-122.

Eviati And Sulaeman. 2012. Petunjuk Teknis Edisi 2, Analisis Kimia Tanah, Tanaman, Air Dan Pupuk. Badan Penelitian Dan Pengembangan Pertanian Kementrian Pertanian. Agroinovasi. Bogor

Faltusová, Z., Kučera, L.,Ovesná, J. 2011. Genetic diversity of Brassica oleracea var. capitata gene bank accessions assessed by AFLP. *Electr J Biotechn*, 14(3): 1-10.

Foidl, N. , Makkar, H.P., and Becker, K. 2001. The potential of *Moringa oleifera* for agricultural and industrial uses. In : Proceedings of International Workshop "What development potential for Moringa product" Dares –Salaam, Tanzania. :47 – 67.

Fuglie, Lowell. 2000. New Uses of Moringa Studied in Nicaragua. ECHO Developments Notes. USA.

Gardner, F. P., R. B. Pearce, dan R. L. Mitchell, 1991. Fisiologi Tanaman Budidaya.University of Indonesia Press. Jakarta.

Gawronska, H. 2008. Biostimulators : In Modern Agriculture, General aspect. Editorial House Wie. Jutra, Limited. Warszawa.

Hala, H. Abou El-Nour and Nabila, A. Ewai s. 2017. Effect of *Moringa oleifera* Leaf Extract (MLE) on Pepper Seed Germination, Seedlings Improvement, Growth, Fruit Yield and its Quality. Middle East Journal of Agriculture Research. 6 (2): 448-463.

Hana, S.M., Renny, I., Leenawaty L., Tatas, H.P.B. 2018. Ragam Metode Ekstraksi Karotenoid dari Sumber Tumbuhan dalam Dekade Terakhir (Telaah Literatur). *Jurnal Rekayasa Kimia dan Lingkungan*. 13 (1)

Hardjowigeno, S. 2003. Ilmu Tanah. Penerbit Akademika Pressindo. Jakarta.

Hasan, Y., W. Briggs, C. Matschegewski, F. Ordon, H. Stiitzel, H. Zetzsche, S. Groen, R. Uptmoor. 2016. Quantitative trait loci controlling leaf appearance and curd initation of cauliflower in relation to temperature. Theor. Appl. Genet. 129:1273-1288

Humeoen, M.I. 2017. Pengaruh Bagian Setek dan Lama Perendaman Ekstrak Daun Kelor terhadap Pertumbuhan Bibit Sirih Daun (*Piper betle,* L.). Savana Cendana. 2(4): 59-61

Ihsan M., S.J Rachmawati, dan I.Styadi. 2020. Metode Penyaringan Ekstrak Daun Kelor (*Moringa oleifer*) Sebagai Pupuk Organik Cair Bagi Pertumbuhan dan Hasil Tanaman Sawi (*Brassica juncea* L.). Jurnal Daun. 7(2): 126-137

Illahi, Adittiya. 2019. *Karakterisasi Sifat-Sifat Agronomi Dan Variasi Genetik Kubis Singgalang (Brassica oleracea L. var. capitata).* Diploma thesis, Universitas Andalas.

Irwansyah A. 2015. Respon pertumbuhan bibit *Gmelina arborea* Roxb. dan *Tectona grandis* Linn.F. terhadap penambahan growth stimulant di persemaian permanen IPB [tesis]. Institut Pertanian Bogor . Bogor (ID)

ITIS., 2011. ITIS Standart Report Page : Moringa. United States : Integrated Taxonomic Information System

Kartika, R.D. 2014. Pengaruh pupuk organik cair daun kelor (*Moringa oleifera* Lamk) terhadap pertumbuhan tanaman pakchoy (*Brassica rapa,* L.) yang ditanam secara hidroponik dan sumbangannya pada pembelajaran biologi di SMA. Skripsi. Universitas Sumatera Utara

Krisnadi, A.D. 2015. Kelor Super Nutrisi. Edisi Revisi. Pusat Informasi dan Pengembangan Tanaman Kelor Indonesia, Lembaga Swadaya Masyarakat – Media Peduli Lingkungan (LSM-MEPELING). Kunduran, Blora.

Mahanani A.U dan Lemira K. 2018. Pengaruh Konsentrasi Ekstrak Daun Kelor Terhadap Pertumbuhan Dan Hasil Tanaman Selada (*Lactuca Sativa* L.) Di Kabupaten Jayawijaya. Jurnal Ilmu Pertanian. (2):1-3.

Masdiana, T. , Nurul H., Rahmawati. 2016. Analisis Kandungan Vitamin C Dan B-Karoten Dalam Daun Kelor (*Moringa Oleifra* Lam.) Dengan Metode Spektrofotometri Uv–Vis. *Jurnal Fitofarmaka Indonesia*. Vol. 3 No.1

Mitariastini, N.L.G. 2016. Pertumbuhan dan Umur panenBeberapa Aksesi Kelor (*Moringa oleifer* Lam.) pada Interval Pemanenan Berbeda. Skripsi. IPB. Bogor.

Moyo, B., Masika, P.J., Hugo, A. and Muchenje, V. 2011. Nutritional Characterization of Moringa (*Moringa oleifera* Lam.) Leaves. *African Journal of Biotechnology* 10 (60) : 12925-12933.

Nardi, S., D. Pizzeghello., M. Schiavon., and A. Ertani. 2015. Plant Biostimulants: Physiological Responses Induced by Protein Hydrolyzed-Based Products and Humic Substances in Plant Metabolism. *Sci Agric*. 73(1): 18-23.

Nardi, S., Pizzeghello, D., Schiavon, M. and Ertani, A., 2016. Plant biostimulants: physiological responses induced by protein hydrolyzed-based products and humic substances in plant metabolism. *Scientia Agricola*, *73(1)*, pp.18-23.

Ngoroyemoto, N., S. Gupta, M.G. Kulkarni, J.F Finnie, J. Van Staden. 2019. Effect of Organic Biostimulants On the Growth and Biochemical Composition of *Amaranthus hybridus* L.*South African Journal of Botany* 124: 87-93

Ogbe, A.O. and Affiku, J.P. (2011) Proximate Study, Mineral and Anti-Nutrient Composition of *Moringa oleifera* Leaves Harvested from Lafia, Nigeria: Potential Benefits in Poultry Nutrition and Health. Journal of Microbiology Biotechnology and Food Science, 1, 296-308.

Parađiković, N., Teklić, T., Zeljković, S., Lisjak, M. and Špoljarević, M., 2019. Biostimulants research in some horticultural plant species—A review. *Food and Energy Security*, *8(2)*, p.00162.

Pavlovic, D., Nikolic, B., Djurovic, S., Waisi, H., Andjelkovic, A. and Marisavljevic, D., 2015. Chlorophyll as a measure of plant health: Agroecological aspects. *Pestic. Phytomed. (Belgrade), 29(1)*, pp. 21-34.

Pusat Informasi Dan Pengembangan Tanaman Kelor Indonesia. 2010. Kelor Super Nutrisi. Lembaga Swadaya Masyarakat – Media Peduli Lingkungan. (LSM-MEPELING). Blora.

Radovich, 2009. In: Elevitch, C.R. (Ed.) Specialty Crops for Pacific Island Agroforestry. Permanent Agriculture Resources (PAR). Holualoa, Hawai.

Rahmah, F,. Elfrida dan Ekariana, S.P. Pengaruh Ekstrak Daun Kelor (*Moringa Oleifera*) Terhadap Pertumbuhan Cabai Rawit (*Capsicum frutescens* L). *Jurnal Jeumpa*. 6 (2)

Rahman, M., Karno, dan B A Kristanto. 2017. Pemanfaatan Tanaman Kelor (*Moringa oleifera*) Sebagai Hormon Tumbuh pada Pembibitan Tanaman Tebu (*Saccharum officinarum L.*). *J. Agro complex* 1 (3): 94-100.

Rajiman. 2019. Pengaruh Ekstrak Daun Kelor Terhadap Produktivitas dan Kualitas

Bawang Merah. Jurnal Ilmu Pertanian. 26(1): 64-72

Rathore, S.S, D.R. Chaudhary, G.N. Boricha, A. Ghosh, .B.P. Bhatt, S.T. Zodape, J.S. Patolia. 2008. Effect of seaweed extract on the growth, yield and nutrient uptake of soybean (Glycine max) under rainfed conditions. South African Journal of Botany 75 (2009) 351 – 355.

Raven, P., Mason, K.A., Losos, J.B. and Singer, S.R. 2017. *Biology*. Mc Graw-Hill Education, New York.

Rochmawati, A., D. H. Effendi, S. Hamdani. 2015. Pengembangan Metode Analisis Kadar Kalium dalam Daun Kelor (*Moringa oleifera*) dengan Metode Konduktometri. Proseding Penelitian SPeSIA Unisba 2015 ISSN 2460-6472591.

Rouphael, Y., M. Cardarelli, P. Bonini and G. Colla. 2017. Synergistic Action of a Microbial- Based Biostimulant and a Plant Derived-Protein Hydrolysate Enhances Lettuce Tolerance to Alkalinity and Salinity. *Frontiers in Plant Science*. (8) : 1-12

Rubatzky VE & Yamaguchi M. 2001. Sayuran Dunia. Jilid II. Prinsip, Umur panendan Gizi. Edisi II. Bandung: ITB

Santoso, D dan Priyono. 2014. Proses Umur panendan Formulasi Biostimulan dari Alga Coklat *Sargassum* sp. Serta Penggunaannya untuk Pertumbuhan Tanaman. [Paten] Nomor Permohonan P- 00201406718.

Saparso, A. Sudarmaji., Y. Ramadhan., B. R. Wijonarko., O.R.Utami. 2019. Karakter Fisiologi dan Hasil Tanaman Kubis Bunga (*Brassica oleracea* L.) Pada Berbagai Konsentrasi Pupuk Nitrogen dalam Sistem Fertigasi Tetes di Lahan Pasir Pantai. *Prosiding seminar nasional dan ca11 for papers.*

Sauveur, A. S., M. Broin and Nambiar, V. 2010. Growing and Processing Moringa Leaves. France: Imprimerie Horizon. 1-69.

Setjo,Sustetyoadi.2004. *Anatomi Tumbuhan*. UM Press: Malang

Sharma HS, C Fleming, C Selby, JR Rao & T Martin (2014). Plant biostimulants: a revieon the processing of macroalgae and use of extracts for crop management to reduce abiotic and biotic stresses. J Appl Phycol 26, 465–490.

Somasundaram, S., M. Bonkowski dan M. Iijima, 2008. Functional role of mucilage-border cells: A complex facilitating protozoan effects on plant growth. Journal of Plant Production Science. 11 (3): 344-351

Suganthi, A. dan K. Sujatha. 2014. Aqueos Seaweed Sprays for Enhancement of Growth and Yield of Sunflower Hybrid CO_2. *International Journal of Agriculture Innovations and Research*, 2(6): 2319-1473.

Sunarpi, S., Jupri, A., Kurnianingsih, R., Julisaniah, N.I. And Nikmatullah, A., 2010. Effect of seaweed extracts on growth and yield of rice plants. *Nusantara Bioscience, 2(2)*.

Suryani., A. 2021. Effect of kelor (*Moringa oleifera* L.) extract on growth, biochemical content, and reducing inorganic fertilizer of kale (*Brasicca oleracea* L.var acephala) cultivated under hydroponic system. *Skripsi*. Universitas Andalas

Taufiq, A. and Sundari, T., 2014. Respons tanaman kedelai terhadap lingkungan tumbuh. *Buletin Palawija, (23),* pp.13-26.

Tyas dan Aminah A. 2016. Pengaruh Pupuk Organik Cair Daun Kelor Dengan Penambahan Ekstrak Limbah Kulit Buah Kakao Terhadap Pertumbuhan Tanaman Bayam. Seminar Nasional Pendidikan dan Saintek. 2557 -533X

Vasconcelos, A.C.F., X. Zhang, E.H. Ervin, J.de Castro Kiehl. 2009. Enzymatic Antiocxidant Responses to Biostimulant in Maize and Soybean Subjected to Drought. *Sci. Agric (Piracicaba, Braz.)*. 66 (3): 395-402

Wahyuni, S., C.A. Yusup, D.D. Eris, S.M. Putra, A.S. Mulyatni, Siswanto dan Priyono. 2019. Peningkatan Hasil dan Penekanan Kejadian Penyakit pada Jagung Manis (*Zea mays* var. Bonanza) dengan Pemanfaatan Biostimulan Berbahan Kitosan. *Menara Perkebunan*, 87 (2): 113-139

Wahyuni,Sri., Asrikan A,M., Sabana Uli C,M., Sahara Nur, W,S., Murtiningsih, Tri., Putriningrum, R. (2013). Uji Manfaat Daun Kelor (Moringa Aloifera Lamk) Untuk Mengobati Penyakit Hepatitis B. Jurnal Kesehatan Kusuma Husada. Vol 4. No 2. Juli. p. 25-44.

Warohmah M., A. Karyanto dan Rugayah. 2018. Pengaruh Pemberian Dua Jenis Zat Pengatur Tumbuh Alami Terhadap Pertumbuhan Seedling Manggis (*Garcinia Mangostana* L.). Jurnal Agrotek Tropika. 6(1): 15-20

Yanti, N. 2014. Pengaruh Konsentrasi Dan Interval Pemberian Pupuk Organik Cair Asal Sabut Kelapa Dan Chromolaena odorata Pada Padi gogo (*Oryza sativa* L.). Jurnal Program Studi Agroekoteknologi Fakultas Pertanian. Universitas Taman Siswa Padang. Padang

Yugi, A.R. 2011. Identifikasi Varietas Padi Gogo Potensi Toleransi Kekeringan Pada Skala Laboratorium. Agronomika. 11 (11): 1-8