

## 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.
- Agustina, J. 2014. Pengaruh Pupuk Urea Pupuk Organik Padat Dan Cair Kotoran Ayam Terhadap Sifat Tanah, Pertumbuhan Dan Hasil Kacang Tanah Di Tanah Inceptisol. *Jurnal Penelitian Nusantara Cendana University*. 2(1):157-165.
- Al Majathoub, M. 2004. Effect of Biostimulants on Production of Wheat (*Triticum aestivum* L.). In: Cantero-Martinez C. (ed.), Gabina D. (ed.). Mediterranean rainfed agriculture: Strategies for sustainability, Zaragoza: CIHEAM 147-150.
- Andresen, M & Cedergreen, N. 2010. Plant Growth Is Stimulated by Tea-seed Extract University of Copenhagen, Department of Agriculture and Ecology. *Journal of Hortscience*. 45(12):1848–1853.
- Astuti, Juli., Rudiyansyah., Gusrizal. 2013. Uji Fitokimia dan Aktivitas Antioksidan Tumbuhan Paku Uban (*Nephrolepis bisserata*). *Jurnal Kimia Khatulistiwa* 2 (2): 118-122.
- Aulya, N.R., Noli, Z.A., A. Bakhtiar., Mansyurdin. 2018. Effect of Plant Extracts on Growth and Yield of Maize (*Zea mays* L.). *Pertanika Journal of Agriculture Science*. 41(3): 1193 - 1205
- Badan Pusat Statistik. 2020. *Data Produksi Tanaman Pangan*. Pusat Data Statistik Pertanian. Jakarta.
- Balitsereal. 2010. Deskripsi varietas jagung, sorgum dan gandum. Balai Penelitian Tanaman Serealia, Badan Litbang Pertanian.
- Barnito, N. 2010. *Budidaya Tanaman Jagung*. Suka Abadi Press. Yogyakarta.
- Berlyn, G.P.; Sivaramakrishnan, S. 1996. The Use of Organic Biostimulants to Reduce Fertilizer Use, Increase Stress Resistance, and Promote Growth. *National Proceedings, Forest and Conservation Nursery Associations*. 126(2): 524-535.
- Betty, J., Linda., R., Lovadi, I. 2015. Inventarisasi Jenis Paku-pakuan (Pteridophyta) Terrestrial di Hutan Dusun Tauk Kecamatan Air Besar Kabupaten Landak. *Journal Of Protobiont*. 4 (2): 94 – 102.
- Bulgari, R., S. Morgutti, G. Cocetta, N. Negrini, S. Farris, A. Calcante, A. Spinardi, E. Ferrari, I. Mignani, R. Oberti, A. Ferrante. 2017. Evaluation of Borage Extracts As Potential Biostimulant Using a Phenomuc, Agronomic, Physiological, and Biochemical Approach. *Frontiers in Plant Science*. Vol.8.

- 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*.3 (4) : 29 – 39.
- Calvo, P., L. Nelson dan J.W. Kloepper. 2014. Agricultural uses of plant biostimulants. *Plant and Soil*. 383(1-2): 3-41.
- Cabera, J.N., Semana, E, Mussa., A.R., and He, X. 2014. Plant secondary metabolites : Biosynthesis, Clasification, Function and pharmacological propeties. *Journal of pharmacy an pharmacology*.Vol 2 (377-392)
- Crozier, A., M.N Clifford dan H. Ashihara. 2006. *Plant secondary metabolite*. Blackwell Publishing. United Kingdom.
- Daniarti, H.,Nurmilawati,m.,Sulistiono.2017. Pengaruh dosis dan waktu aplikasi *azolla pinnata* terhadap pertumbuhan tanaman kacang tanah (*Arachis hypogaea*(L.) Merr.). *Jurnal Biologi dan Pembelajaranya*. 4(1): 19-25.
- Dita, F.B.A., Koesherti. 2020. Pengaruh kombinasi nutrisi ab mix dan pupuk organik cair *azolla* terhadap pertumbuhan dan hasil tanaman selada (*Lactuca Sativa* L.) pada hidroponik sistem sumbu (*Wick System*). *Jurnal Produksi Tanaman*. 8 (9): 823-830.
- De Costa, F., A.C. Yendo, G. Cosmann, A.G. Fett Neto, J.D. Fleck. 2013. Accumulation of bioactive triterpene of *Cuilljaja brasiliensis* leaves associated with biotic and abiotic stress. *Journal Elsevier*. 66 (1): 357-368.
- Du Jardin, P. 2012. The science of biostimulants, A Bibliography Analysis. Report On Biostimulant. April 2012
- Du Jardin, P. 2015. Plant Biostimulants: Definition, concept, main categories and regulation. *Scientia Horticulturae*. <http://dx.doi.org/10.1016/j.scienta>. 2020 09.021
- Ekowati, D., Nasir, M. Pertumbuhan tanaman jagung (*Zea Mays* L.) varietas bisi-2 pada pasir reject dan pasir asli di pantai trisik kulonprogo. *J. Manusia Dan Lingkungan*. 18 (3): 220 – 231
- Ertani, A. 2015. The use of organic biostimulants in hot pepper plants to help low input sustainable agriculture. *Journal Biological Technologies in Agriculture*. 2 (11):50-59
- Ferrante, A., L. Incrocci, R. Maggini, G. Serra dan F. Tognoni, 2004. Colour Changes of Fresh-cut Leafy Vegetables during Storage. *J. Food, Agri. and Environ*. 2(3&4): 40-44.
- Global Biodiversity Information Facility (GBIF). 2021. Classification of *Pyrrrosia lanceolata*. [http://www. https://www.gbif.org/species/5648124](http://www.https://www.gbif.org/species/5648124). [diakses tanggal 25 januari 2021].
- Grabowska, A., E. Kunicki, A. Sekara dan A. Kalisz. 2012. The effect of cultivar and biostimulant treatment on the carrot yield and its quality. *Vegetable Crops Research Bulletin*. 77(1): 37-48.

- Hartono, R., R. Wirosuedarmo dan L. D. Susanawati. 2013. Pengaruh teknik dan dosis pemberian pupuk organik dari sludge biodigester terhadap produksi tanaman jagung (*Zea mays* L.) varietas bima. *Jurnal Sumber Daya Alam dan Lingkungan*. 1(2): 50-60.
- Hidayat, Arief. 2011. The Fern Diversity of South East Sulawesi. Thesis. Bogor: Bogor Agricultural University.
- Hendriyani, I.S., Y. Nurchayati, dan N. Setiari. 2018. Kandungan klorofil dan karotenoid kacang tunggak (*Vigna unguiculata* (L.) Walp.) pada umur tanaman yang berbeda. *Jurnal Biologi Tropika*. 1 (2) : 38-43.
- Irshanti, Johan. 2014. Pengaruh jumlah daun dan jenis pupuk kandang terhadap pertumbuhan melon (*Cucumis sativus*). *Jurnal Pertanian*. 1(2): 1-9.
- Isda, M.V., Lestari, ., Angriani, D. 2013. Optimasi konsentrasi ekstrak alang-alang (*Imperata cylindrica* L.) untuk memacu pertumbuhan dan produksi jagung manis (*Zea mays* Saccharata Sturt). *Jurnal Biologi*. 6 (1): 47-52.
- Junaidi. 2021. Efektivitas pemberian ekstrak daun kelor dan interval waktu pemberian terhadap pertumbuhan serta hasil tanaman jagung pulut (*Zea mays* *Ceratina* L). *Jurnal Bina Karya Ilmiah*. 15 (9): 50677-5077.
- Jurhana., Made, U dan Madauna, I. 2017. Pertumbuhan dan hasil tanaman Jagung manis (*Zea Mays* Saccharata) pada berbagai dosis pupuk organik. *Jurnal Agrotekbis*. 5 (3), 324 – 328.
- Jeanen,M.P.,Jeremy,N. Paula., C.H.S. Dianen, S.T. 2020. Application of gamal leaf LOF (Liquid Organic Fertilizer) to increase growth and production of organic sweet corn. *Jurnal Pengembangan dan Penyuluh Pertanian*.17(31): 38-45.
- Jelimat, B, & Ngadiani. 2020. Pengaruh ekstrak tanaman pakis sayur (*Diplazium esculentum* Swart) terhadap anatomi tanaman cabai rawit (*Capsicum frutescen*. L). *Jurnal Biologi UNIPA*. 1(1): 1-10.
- Jenny, Gervacia., R. Indrawati. 2019. Analisis kadar Fe pada lemiding tua dan muda di Wilayah Kubu Raya, Kalimantan Barat. *Jurnal Penelitian*. 11(2):35-42.
- Kavipriya, R. dan T. Nallamuthu. 2012. Effect of seaweed liquid fertilizers on the biostimulan on early seed germination and growth parameters of *Oryza sativa* L. Center of Advanced Studies in Botany. *INT J CURR SCI*. 3: 1520.
- Kesaulya, H., Baharuddin, B., Zakaria, and S.A. Syaiful. 2015. Isolation and physiological characterization of PGPR from potato plant Rhizosphere in medium land of Buru Island. *Procedia Food Science* 3 (1): 190-199.
- Lina W, Xiaoyu Y., Zhonghai R., Xiufeng W. 2014. Regulation of photoassimilate distribution between source and sink organs of crops through light environment control in greenhouse. *Journal of AgricScience*. 5(4) :250-256.

- Maruapey A. 2011. Pengaruh jarak tanam dan jenis pupuk kandang terhadap pertumbuhan gulma dan hasil jagung manis. *Seminar Nasional Serelia* .
- Nadeak, Y.A., Chozin, M., Setyowati, N. 2020. Respon pertumbuhan dan hasil jagung manis (*Zea mays saccharata sturt*) terhadap konsentrasi dan waktu aplikasi pupuk organik cair ekstrak tomat. *Prosiding Webinar Nasional Series: Sistem Pertanian Terpadu dalam Pemberdayaan Petani di Era New Normal*.1(1):73-88..
- 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. *Journal Sci Agric*. 73(1): 18-23.
- Nio, S. A. 2011. Biomasa dan kandungan klorofil total daun jahe (*Zingiber officinale* L.) yang mengalami cekaman kekeringan. *Jurnal Ilmiah SAINS*. 2 (11) :190-195.
- Nurhasby, Putri K.P. 2010. Pengaruh jenis media organik terhadap kualitas bibit takir (*Duabangsa Moluccana*). *Jurnal Penelitian Hutan Tanaman*. 7(3):141-146.
- Nurhasnah, O.S., Yetti, H., Ariani, E. 2015. fertilizing combination between green fertilizer *Azolla pinnata* with guano toward the growth and production of pakchoy (*Brassica chinensis* l.). *Jurnal Faperta*. 2(1): 59-69.
- Obianime, A. W. and F.I. Uche. 2008. The Phytochemical screening and effects of methanolic extract of *Phyllanthus amarus* leaf on the biochemical parameters of male guinea pigs. *J. Appl. Sci. Environ. Manage*. 12(4): 73- 77.
- Ordog, V. 2011. *Plant Physiology*. <http://www.esalq.usp.br/lepse/imgs/conteudo-/Plant-Physiology-by-Vince-Ordog.pdf>. Diakses pada 20 Juni 2021.
- Orozco, F.G. & M.L. Failla. 2013. Biological activities and bioavailabilit of mangosteen xanthones: A critical review of the current evidence. *Journal of Nutrients*. 5(1): 3163-3183.
- Paulus, M. Jeanen. 2010. Pemanfaatan *Azolla* sp sebagai pengganti pupuk kimia pada budidaya tanaman padi. *Journal of Warta Wiptek*. 2(1):68-72.
- Pascale, S. D., Y. Roupheal., and G. Colla. 2017. Plant Biostimulants: Innovative Tool for Enhancing Plant Nutrition in Organic Farming. *Eur. J. Hortic. Sci*. 82(6): 277-285.
- Pulungan, M.R.D., Tobing, L.O., Mulyaningsih, Y. 2021. The effect of *Azolla pinnata* weed extract and long soaking of coconut water on peanut growth and yield. *Jurnal Agronida*.7 (1):45-53.
- Prabhu M., A. R. Kumar., and K. Rajamani. 2010. Influence of different organic substances on growth and herb yield of sacred basil (*Ocimum sanctum* L) Ind. *Journal of Agriculture Res*. 44(1):48-52.
- Pratama, A. J & A.N. Laily. 2015. Analysis of chlorophyll content of *gandasuli* leaves (*Hedychium gardnerianum* shephardex ker-gawl) at three different development areas. *Jurnal Biologi Tropika*. 1(2): 36-47.



- Rukmana, R., H. Yudirachman. 2014. Budidaya dan hasil pengolahan hasil kacang kedelai unggul. CV Nusa Aulia. Bandung
- Saha, S., S. Walia., J. Kumar., B.S. Parmar. 2010. Triterpenic saponins as regulator of plant growth. *Journal of Food Quality*. 83 (2): 189-195.
- Sarawa. 2014. *Pertanian Organik pada Lahan Sub Optimal*. Unhalu Press. Kendari
- Sarif , P. 2015. Pertumbuhan dan hasil tanaman sawi (*Brassica juncea* L) akibat pemberian dosis pupuk Urea. *Jurnal Agroekoteknologi*. 3 (5),585-591.
- Santoso. D & Priyono. 2014. Proses produksi dan formulasi biostimulan dari alga coklat *Sargassum* sp serta penggunaannya untuk pertumbuhan tanaman. *Paten Negara Indonesia. Nomor Permohonan P00201406718*.
- Satapathy, B.S., K. B. Pun., T Singh., S. K. Rautaray. 2014. Effect of liquid seaweed sap on yield and economics of summer rice (*Oryza sativa*). 51(2): 131-135.
- Subagyo, H., N. Suharta., A.B. Siswanto. 2004. Tanah-tanah pertanian di Indonesia. *Pusat Penelitian dan Pengembangan Tanah dan Agroklimat*. 2(1): 21-66.
- Suhadi, I., Farida., Zakirah. 2017. Respon tanaman pakcoy (*Brassica chinensis* L) terhadap pemberian pupuk organik cair *Azolla* (*Azolla pinnata*). *Jurnal Agroekoteknologi*. 2 (1): 1-19.
- Suntoro, J. Syamsiyah dan W. Rahina. 2017. Ketersediaan dan serapan Ca Pada kacang tanah di tanah Ultisol yang diberi abu vulkanik kelud dan pupuk kandang. *Agrosains*. 19 (2): 51-57.
- Sutharsan, S.,S. Nishanthi dan S. Srikrishnah. 2014. Effects of Foliar Application of Seaweed (*Sargassum crassifolium*) Liquid Extract on the Performance of *Lycopersicon esculentum* Mill. In Sandy Regosol of Batticaloa District Sri Lanka. *American-Eurasian J. Agric. & Environ*. 14 (12): 1386-1396.
- Shahid-Ud-Duula, A. F. M. and B. M. Anwarul. 2009. Phytochemical Screening, Plant Growth Inhibition and Antimicrobial Activity Studies of *Xylocarpus granatum*. *Malaysian. J. Pharm. Sci*. 7(1): 9–21.
- Tim Karya Tani Mandiri. 2010. Pedoman bertanam jagung. CV Nuansa Aulia. Bandung.
- Tjitrosoepomo, Gembong. 2005. *Taksonomi Tumbuhan*. Yogyakarta: UGM Press.
- Tini, E. W., A. K. Rahman., E. Mugiastuti. 2019. Pemanfaatan macam dan dosis pupuk untuk meningkatkan pertumbuhan dan hasil jambu biji kristal (*Psidium guajava*). *Agrotechnology Research Journal*. 3 (1): 35-41.
- Toruan, S.R.C., Mukarlina., Lovadi, I. 2015. Pertumbuhan bayam kuning (*Amaranthus blitum*) dengan pemberian ekstrak tumbuhan paku *Acrostichum aureum*, *Nephrolepis biserrata*, dan *Stenochlaena palustris*. *Jurnal Protobiont*.4(1): 190-196.

- Ummah, K.K., Noli, Z.A., Bachtiar, A., Mansyurdin. 2017. Effect of certain plant crude extracts on the growth of upland rice (*Oryza sativa* L.). *International Journal of Current Research in Biosciences and Plant Biology*. 4(9): 1-11.
- Wigena, I., Andriati. 2016. Sistem usaha tani berkelanjutan berbasis dinamika unsur hara pada lahan kering masam. *Jurnal Sumberdaya Lahan*. 10 (1):1-24.
- Wirdayanti & Sofiyanti, N. 2019. Skrining fitokimia lima jenis tumbuhan paku famili polypodiaceae dari provinsi Riau. *Jurnal Biota*. 4 (2): 40-49.
- Yogi, A.R. 2011. Identifikasi varietas padi gogo potensi toleransi kekeringan pada skala laboratorium. *Jurnal of Agronomika*. 11(11): 1-8
- Zakiah, Z., I. Suliansyah, A. Bakhtiar, Mansyurdin. 2017. Effect of Crude Extracts of Of Six Plants ON Vegetative Growth of Soybean (*Glycine max* Mer.). *International Journal of Advances in Agricultural Science and Technology*. 4 (7):1-12.
- Zi, J., S.Mafu., R.J. Peters. 2014. To gibberellins and beyond surveying the evolution of (di)terpenoid metabolism. *Journal Annl.Rev. Plant Biology*. 65 1): 259–286.
- Ziharsya, I. 2019. Analisis kandungan klorofil tumbuhan biduri (*Calotropis gigantea* L.) berdasarkan faktor fisik dan kimia di kawasan Geothermal dengan pesisir pantai sebagai pengembangan praktikum fisiologi tumbuhan. *Jurnal Fisiologi*. 1(1): 1-10.
- Zodape, S. T., A. Gupta, S. C. Bhandari. U. S. Rawat, D. R. Chaudhary, K. Eswaran and J. Chikara. 2011. Foliar application of seaweed sap as biostimulant for enhancement of yield and quality of tomato (*Lycopersicon esculentum* Mill.). *Journal Of Scientific and Industrial Research*. 70(1) : 215-21

