

DAFTAR PUSTAKA

- Agritecture. (2020). Calculate daily light integral using agritecture's new tool. Retrieved from <https://www.agritecture.com/blog/2020/5/13/calculate-daily-light-integral-using-agritectures-new-tool>
- Aini, N., & Azizah, N. (2018). Teknologi Budidaya Tanaman Sayuran Secara Vertikultur. *Balai Penelitian Tanaman Sayuran*. Malang: UB Press. hal :130.
- Almanac, T. O. F. (2020). Growing basil. Retrieved from <https://www.almanac.com/plant/basil> 1/5
- Andor. (2019). What is Light? - An overview of the properties of light. Retrieved from <https://andor.oxinst.com/learning/view/article/what-is-light>
- Anni, I. A., Saptiningsih, E., & Haryanti, S. (2013). Pengaruh Naungan Terhadap Pertumbuhan Dan Produksi Tanaman bawang Daun (*Allium fistulosum* L.) Di Bandung, Jawa Tengah. *Jurnal Akademika Biologi*, 2(3), hal : 31–40. Retrieved from <https://ejournal3.undip.ac.id/index.php/biologi/article/view/19151>
- Aprilyani, Jane. (2015). Budidaya basil mudah, masa panennya cepat. Retrieved from <https://peluangusaha.kontan.co.id>.
- Arifin. (1988). Pengelolaan Naungan dalam Pertumbuhan dan Produksi Tannaman Kacang Hijau. *Agrivita*, 11(17–19), hal : 42.
- Backer, C. A., Brink, R. C., & Bakhuizen Van Den, J. (1963). *Flora of Java (Spermatophytes)*. The Netherlands: Noordhoff-Groningen. hal : 761. Retrieved from <https://www.cabdirect.org/cabdirect/abstract/19630605284>
- Banase, R. (2020). 'Indoor Farming ', Apakah Tepat Untuk Dipraktekkan Di Indonesia? Retrieved from <https://gardaindonesia.id/2019/09/30/indoor-farming-apakah-tepat-untuk-dipraktekkan-di-indonesia/> 2/4
- Beacham, A. M., Vickers, L. H., & Monaghan, J. M. (2019). Vertical farming: a summary of approaches to growing skywards. *Journal of Horticultural Science and Biotechnology*, 94(3), hal : 277–283. <https://doi.org/10.1080/14620316.2019.1574214>
- Beaman, A. R., Gladon, R. J., & Schrader, J. A. (2009). Sweet Basil Requires an Irradiance of $500 \text{ mol } \dot{A} \text{ m}^{-2} \dot{A} \text{ s}^{-1}$ for Greatest Edible Biomass Production, (December 2017). hal : 5. <https://doi.org/10.21273/HORTSCI.44.1.64>
- Bilal, A., Jahan, N., Ahmed, A., Bilal, S. N., Habib, S., & Syeda, H. (2012). Phytochemical and Pharmacological Studies on *Ocimum Basilicum* Linn - a Review -. *International Journal of Current Research and Review*, 4(23).hal 12.

- Crewz, D. W. (1977). Herbarium Specimen Details. Retrieved from <https://florida.plantatlas.usf.edu/SpecimenDetails.aspx?PlantID=753>
- Currey, C. J. (2019). Improve culinary herb yields. Retrieved from <https://www.producegrower.com/article/hydroponic-production-primer-improve-culinary-herb-yields>
- Currey, C. J., Hutchinson, V. A., & Lopez, R. G. (2012). Growth, morphology, and quality of rooted cuttings of several herbaceous annual bedding plants are influenced by photosynthetic daily light integral during root development. *HortScience*, 47(1), hal : 25–30. <https://doi.org/10.21273/hortsci.47.1.25>
- Dodd, V. (2020). How to Grow Basil from Seed Indoors Growing Basil Indoors : Step by Step Instructions. Retrieved from <https://howtoculinaryherbgarden.com/grow-basil-from-seed-indoors/> Search
- Dou, H., Niu, G., Gu, M., & Masabni, J. G. (2017). Effects of light quality on growth and phytonutrient accumulation of herbs under controlled environments. *Horticulturae*, 3(2). hal : 129 – 134 <https://doi.org/10.3390/horticulturae3020036>
- Dou, H., Station, C., & Masabni, J. G. (2018). Responses of Sweet Basil to Different Daily Light Integrals in Photosynthesis , Morphology , Yield , and Nutritional Quality. *HORT SCIENCE*, 53(4), hal : 496 – 503. <https://doi.org/10.21273/HORTSCI12785-17>
- Dwidjoseputro, D. (1995). *Pengantar Fisiologi Tumbuhan*. Jakarta: Gramedia Pustaka Utama. hal : 230. Retrieved from <http://dx.doi.org/10.1016/j.sjbs.2014.12.001>
- EI-Kazzaz, A. (2017). Soilless Agriculture a New and Advanced Method for Agriculture Development: an Introduction. *Agricultural Research & Technology :Open Access Journal*, 3(2). hal : 11. <https://doi.org/10.19080/artoaj.2017.03.555610>
- Flaherty, S. (2020). Life Cycle of Basil Plants. Retrieved from <https://www.hunker.com/13404738/life-cycle-of-basil-plants>
- Gilmour. (2019). Basil : The Ultimate Guide to Growing Fresh Basil. Retrieved from <https://gilmour.com/growing-basil>
- Halim, M. (2019). Image J. Retrieved January 9, 2021, from <https://lab-anat.fk.ugm.ac.id/author/m-halim-h/>
- Hadipoentyanti, E., S. Wahyuni. 2008. Keragaman selasih (*Ocimum spp*) berdasarkan karakter morfologi, produksi dan mutu herba. *J. Littri*. 14 : hal 141-148.
- Harbone, J. B. (1987). *Metode Fitokimia : Penuntun Cara Modern Menganalisis*

Tumbuhan. Bandung: Institut Teknologi bandung. hal : 354.

Harvey, D. (DePauw U. (2000). *Modren analytical chemistry*. (J. L. Bensink, Ed.), *McGraw-Hill Higher Education* (1st ed.). New York: James M. Smith. hal : 816. Retrieved from www.mhhe.com.

Hosfelt, B. (2018). Step Inside Manhattan ' s Only Underground Chef ' s Farm Supplying Rare Herbs to NYC Restaurants. Retrieved from <https://untappedcities.com/2018/03/19/step-inside-tribecas-underground-farm-supplying-herbs-to-nyc-restaurants/>

Isnain, M. (2019). *Tanya Jawab Hidroponik* (1st ed.). Jakarta: Penebar Swadaya. hal : 116. Retrieved from www.penebarswadaya.co.id

Juhaeti, T. (2009). Pengaruh Naungan Terhadap Pertumbuhan Bibit Pulai (*Alstonia scholaris* (L.) R.Br). *Berita Biologi, Jurnal Ilmu-Ilmu Hayati*, 9(6), hal : 767–771.

Kieber, J. J., & Schaller, G. E. (2014). Cytokinins. *The Arabidopsis Book*, 12(12), . hal 168. e0168. <https://doi.org/10.1199/tab.0168>

Kozai, T. (2018). *Smart Plant Factory*. Springer Nature Singapore Pte Ltd. hal : 89. <https://doi.org/10.1007/978-981-13-1065-2>

LedTonic. (2019). DLI (Daily Light Integral) Chart - Understand your plants' PPFD & photoperiod requirements. Retrieved from <https://www.ledtonic.com/blogs/guides/dli-daily-light-integral-chart-understand-your-plants-ppfd-photoperiod-requirements>

Limaje, A., Armstrong, J. S., Paudyal, S., & Hoback, W. (2019). LED Grow Lights Alter Sorghum Growth and Sugarcane Aphid (Hemiptera: Aphididae) Plant Interactions in a Controlled Environment. *Florida Entomologist*, 102(1), hal : 174–180. <https://doi.org/10.1653/024.102.0128>

Munsell Color. (2017). Munsell Plant Tissue Color Book. hal : 12. Retrieved from munsell.com

Nemhauser, J., & Chory, J. (2002). Photomorphogenesis. *The Arabidopsis Book*, 1(1), hal : 13. e0054. <https://doi.org/10.1199/tab.0054>

Octyne, A. (2021). Tanaman Basil (*Ocimum Basilicum*). Retrieved from <https://ecoponik.com/tanaman-basil-ocimum-basilicum/> Recent

OMEGA. (2018). What is light intensity? Shining a light on intensity measurement. Retrieved from <https://www.omega.co.uk/technical-learning/shining-a-light-on-intensity-measurement.html>

Palomo, E. (2018). How Long Does it Take for Basil to Grow True Leaves? Retrieved from <http://homeguides.sfgate.com/long-basil-grow-true-leaves-49000.html>

- Park, K. S., Bekhzod, K., Kwon, J. K., & Son, J. E. (2016). Development of a coupled photosynthetic model of sweet basil hydroponically grown in plant factories. *Horticulture Environment and Biotechnology*, 57(1), hal : 20–26. <https://doi.org/10.1007/s13580-016-0019-7>
- Pennisi, G., Pistillo, A., Orsini, F., Cellini, A., Spinelli, F., Nicola, S., ... Marcelis, L. F. M. (2020). Optimal light intensity for sustainable water and energy use in indoor cultivation of lettuce and basil under red and blue LEDs. *Scientia Horticulturae*, hal : 272, 109508. <https://doi.org/10.1016/j.scienta.2020.109508>
- Peter D., H., & Emeritus. (2008). *Measuring light*. Ryerson University (Vol. 12). hal : 26. <https://doi.org/10.23943/princeton/9780691139906.003.0009>
- Raharjeng, A. R. P. (2015). Pengaruh Faktor Abiotik Terhadap Hubungan Kekerabatan Tanaman Sansevieria trifasciata L. *Jurnal Biota UIN Raden Fatah*, 1(1), hal : 33–41.
- Rochiman, K. (2008). *Perancangan Percobaan*. Surabaya: Airlangga University Press. hal : 274.
- Salisbury, F. (1995). *Fisiologi Tumbuhan*. *Fisiologi Tumbuhan* (4th ed.). Bandung: ITB. hal : 241.
- Sipindo. (2020). Trend Baru: Indoor Farming. Retrieved from <https://sipindo.id/article/trend-baru-indoor-farming-1>
- Solis-Toapanta, E., & Géomez, C. (2019). Growth and photosynthetic capacity of basil grown for indoor gardening under constant or increasing daily light integrals. *HortTechnology*, 29(6), hal : 880–888. <https://doi.org/10.21273/HORTTECH04442-19>
- Sondang, Y., Elita, N., & Anidarfi. (2020). *Buku Ajar Praktek Fisiologi Tanaman*. (Soemarsono, Ed.), *Bandung : Bumi Aksara*. Limapuluh: Politeknik Pertanian Negeri Payakumbuh. hal : 86.
- Stirling, K. J., Clark, R. J., Brown, P. H., & Wilson, S. J. (2002). Effect of photoperiod on flower bud initiation and development in myoga (*Zingiber mioga* Roscoe). *Scientia Horticulturae*, 95(3), hal : 261–268. [https://doi.org/10.1016/S0304-4238\(02\)00038-9](https://doi.org/10.1016/S0304-4238(02)00038-9)
- Sugiyono. (2016). *Metode Penelitian Kuantitatif Kualitatif dan R&D*. Bandung: Alfabeta. hal : 464.
- Suryaningrum, R., Purwanto, E., & Sumiyati. (2016). Analisis Pertumbuhan Beberapa Varietas Kedelai pada Perbedaan Intensitas Cekaman Kekeringan. *Agrosains*, 18(2), 99–102. <https://doi.org/10.13581/j.cnki.rdm.20161021.001>
- Sutoyo. (2011). Fotoperiode dan pembungaan tanaman. *Buana Sains*, 11(2), hal : 137–144.

- Tamam, & Badrut. (2016). Uji Analisis Kadar Konsentrasi Klorofil Daun. Retrieved from <https://generasibiologi.com/2016/10/uji-analisis-konsentrasi-klorofil-daun.html>
- Thomaier, S., Specht, K., Henckel, D., Dierich, A., Siebert, R., Freisinger, U. B., & Sawicka, M. (2015). Farming in and on urban buildings: Present practice and specific novelties of zero-acreage farming (ZFarming). *Renewable Agriculture and Food Systems*, 30(1), hal : 43–54. <https://doi.org/10.1017/S1742170514000143>
- Utami. (2018). *Pengaruh Cahaya Terhadap Pertumbuhan Tanaman (Suatu Kajian Pustaka)*. Bali: Fakultas Pertanian Universitas Udayana. hal : 42.
- VeggieHarvest. (2020). VeggieHarvest. Retrieved from <https://veggieharvest.com/herbs/basil.html>
- Walters, K. J., & Currey, C. J. (2016). Managing Electrical Conductivity (EC) For Hydroponic Basil Production (pp. 1–3). hal : 3.
- Walters, K. J., & Currey, C. J. (2018). Effects of nutrient solution concentration and daily light integral on growth and nutrient concentration of several basil species in hydroponic production. *HortScience*, 53(9), hal : 7. <https://doi.org/10.21273/HORTSCI13126-18>
- Wang, X., Wang, Q., Nguyen, P., & Lin, C. (2014). *Cryptochrome-mediated light responses in plants*. *Enzymes* (1st ed., Vol. 35). hal : 167-189. Elsevier Inc. <https://doi.org/10.1016/B978-0-12-801922-1.00007-5>
- Waveformlighting. (2020). The difference between PPF and PPFD ? (pp. 1–6). Retrieved from <https://www.waveformlighting.com/horticulture/what-is-the-difference-between-ppfd-and-ppf>
- Wijayakusuma, H., Dalimartha, S., & Wirawan, A. S. (1996). *Tanaman Berkhasiat Obat di Indonesia Jilid ke 4*. Jakarta: Pustaka Kartini. hal : 77.
- ZipGrow. (2016). Can Grow Lights Burn My Plants? Retrieved from <https://zipgrow.com/can-grow-lights-burn-my-plants/>
- Zwinkels, J. (2015). Light, Electromagnetic Spectrum. *Encyclopedia of Color Science and Technology*, (January 2015), hal : 7. <https://doi.org/10.1007/978-3-642-27851-8>