

## DAFTAR PUSTAKA

- Abdillah, M. G., A. M. Purnawanto, and G. P. Budi. 2016. Periode kritis tanaman bawang merah varietas bima (*Allium ascalonicum* L.) terhadap persaingan gulma. *Agritech* 18(1) : 30-38.
- Alipour, A., H. Karimmojeni, A. G. Zali, J. Razmjoo, and Z. Jafari. 2022. Weed management in *Allium hirtifolium* L. production by herbicides application. *Industrial Crops and Products* 177. <https://doi.org/10.1016/j.indcrop.2021.114407>
- Andreasen, C., A. S. Litz, and J. C. Streibig. 2006. Growth response of six weed species and spring barley (*Hordeum vulgare*) to increasing levels of nitrogen and phosphorus. *Weed Research* 46 (6): 503–512.
- Atif, M. J., M. A. Ahanger, B. Amin, M. I. Ghani, M. Ali, and Z. Cheng. 2020. Mechanism of allium crops bulb enlargement in response to photoperiod: A review. *International Journal of Molecular Sciences* 21(4) : 1–25. <https://doi.org/10.3390/ijms21041325>.
- Balitsa. 2007. Katalog Teknologi Inovatif Sayuran. [M-47 \(Katalog Teknologi Inovatif Tanaman Sayuran\).pdf](#) . Diakses 10 Agustus 2022.
- Basuki, R. S. 2014. Identifikasi permasalahan dan analisis usahatani bawang merah di dataran tinggi pada musim hujan di Kabupaten Majalengka. *J. Hort* 24(3) : 266-275.
- Bhullar, M. S., T. Kaur, S. Kaur, and R. Yadav. 2015. Weed management in vegetable and flower crop-based systems. *Indian Journal of Weed Science* 47(3) : 277–287.
- Brewster, J. L. 2008. Onions and Other Vegetable Alliums, 2nd Edn. Wallingford, UK: CAB International.
- Britannica, The Editors of Encyclopaedia. 2022. Root. *Encyclopedia Britannica*. <https://www.britannica.com/science/root-plant>. Diakses 18 July 2022.
- Cahyani, S., A. Sudirman, and A. Azis. 2016. Respons pertumbuhan vegetatif tanaman tebu (*Saccharum officinarum* L.) ratoon 1 terhadap pemberian kombinasi pupuk organik dan pupuk anorganik. *Jurnal Agro Industri Perkebunan* 4(2) : 69-78.
- Cancer Chemoprevention Research Center. 2010. Bawang Merah (*Allium cepa* L.). [Bawang Merah \(\*Allium cepa\* L.\) – CCRC \(ugm.ac.id\)](#). Diakses 28 Maret 2020.
- Caton, B.P., M. Mortimer, J.E. Hill, and D.E. Johnson. 2011. A practical field guide to weeds of rice in Asia (Panduan Lapang Praktis Gulma Padi di Asia, alih

bahasa : Diah Wurjandari, Entis Sutisna, and Zulkifli Zaini). Edisi ke-2.  
International Rice Research Institute, Los Banos.

- Cheng, W., H. A. Rashid, R. Stark, and B. Thomas. 2021. The role of organ and daylength specific gene expression in bulb development and resource management in onion (*Allium cepa* L.). *Scientia Horticulturae* 286. <https://doi.org/10.1016/j.scienta.2021.110223>.
- Damanik, M. M. B., E. H. Bachtiar, Fauzi, Sariffudin, and H. Hanum. 2010. Kesuburan Tanah dan Pemupukan. USU Press, Medan.
- Daou, J. 2022. Lux for Plants: Everything You Need to Know!. [Lux for Plants: Everything You Need to Know! - HerbsWithin](#). Diakses 18 Agustus 2022.
- Defriyadi, Y. S. 2014. Pengendali intensitas cahaya, suhu, dan kelembapan pada rumah kaca dengan metode PID. Fakultas Teknik. Universitas Bengkulu. Skripsi.
- Farming, S. 2021. What are the effect of relative humidity on crop ?. [What are the effect of relative humidity on crop ? - Scientific Farming](#). Diakses 18 Agustus 2022.
- Feller, H. Bleiholder, L. Buhr, H. Hack, M. Heß, R. Klose, U. Meier, R. Stauß, T. Boom, and E. Webe. 1995. Phanologische Entwicklungsstadien von Gemusepflanzen II. Fruchtgemüse und Hulsenfruchte. *Nachrichtenblatt Des Deutschen Pflanzenschutzdienstes* 47(9) : 217–232.
- Forniawan, A., A. Sujarwanta, and Muhfahroyin. 2017. Pengaruh intensitas cahaya dan pupuk cair lcn terhadap produksi bawang merah (eksperimen untuk bahan problem based learning). *Jurnal Lentera Pendidikan Pusat Penelitian LPPM UM METRO* 2(2) : 133-141.
- Gal, S., M. Inbar, and S. M. Lebiush. 2013. The role of onion-associated fungi in bulb mite infestation and damage to onion seedlings. *Experimental and Applied Acarology* 61(4) : 1–12. <https://doi.org/10.1007/s10493-013-9750-2>.
- Haryanti, S. 2010. Pengaruh naungan yang berbeda terhadap jumlah stomata dan ukuran porus stomata daun *Zephyranthes rosea* Lindl. *Buletin Anatomi dan Fisiologi* 18(1) : 41-48.
- Herianto, E. 2016. Effects of triacontanol spraying and time of weeding on critical period of red onion (*Allium ascalonicum*) due to weed competition. *Agritrop Jurnal Ilmu-Ilmu Pertanian*. Universitas Muhammadiyah Jember.
- Hortidaily. 2021. What is the difference between fresh weight and dry weight?. [What is the difference between fresh weight and dry weight? \(hortidaily.com\)](#). Diakses 18 Juli 2022.

- Imaniasita., V., T. Liana, Krisyetno, and D. S. Pamungkas. 2020. Identifikasi keragaman dan dominansi gulma pada lahan pertanian kedelai. *Agrotechnology Research Journal* 4(1) : 11-16.
- IndexBox. 2020. Overview of the Onion And Shallot Market in Asia-Pacific. [Overview of the Onion And Shallot Market in Asia-Pacific - Global Trade Magazine](#). Diakses 31 Mei 2022.
- Jumin, H. B. 1987. *Dasar - Dasar Agronomi*. Rajawali Press, Jakarta.
- Kaçar, B., V. Katkat, S. ve Öztürk. 2013. *Bitki Fizyolojisi*. Nobel Yayın. Ankara : 79-95
- Kamenetsky, R., and H. D. Rabinowitch. 2017. Physiology of domesticated alliums: onions, garlic, leek, and minor crops. *Encyclopedia of Applied Plant Sciences* 3 : 255-261.
- Karnas, Z., D. Isik, N. Tursun, and K. Jabran. 2019. Critical period for weed control in sesame production. *Weed Biology and Management* 19 : 121-128.
- Kementerian Pertanian. 2019. Produktivitas Bawang Merah Menurut Provinsi 2015-2019. <https://www.pertanian.go.id/home/index.php?show=repo&fileNum=338>. Diakses 10 Agustus 2022.
- Kementerian Pertanian. 2020. Statistik Konsumsi Pangan Tahun 2020. Pusat Data dan Sistem Informasi Pertanian Kementerian Pertanian : 1–132. Available at: [Download \(pertanian.go.id\)](#).
- Khan, M.A., D. C. Gemenet, and A. Villordon. 2016. Root system architecture and abiotic stress tolerance: current knowledge in root and tuber crops. *Frontiers in Plant Science* 7 : 1584.
- Khokhar, K. M., T. Mahmood, and S. I. Hussain. 2010. Weed management in onion using chemical, non-chemical, and manual methods. *Journal of Horticultural Science & Biotechnology* 85 (6) : 473–476.
- Kilkoda, A. K., T. Nurmala, and D. Widayat. 2015. Pengaruh keberadaan gulma (*Ageratum conyzoides* dan *Boreria alata*) terhadap pertumbuhan dan hasil tiga ukuran varietas kedelai (*Glycine max* L. Merr) pada percobaan pot bertingkat. *Kultivasi* 14(2) : 1–9.
- Koyun, N. K., and R. Acar. 2015. The soil factors which effect on root growth in forage plants. 2nd International Conference on Sustainable Agriculture and Environment (2nd ICSAE) : 3-8.
- Kraehmer, H., and P. Baur. 2013. *Weed Anatomy*. Wiley-Blackwell, London.

- Lamichhane, J. R., C. Dürr, A. A. Schwanck, M. H. Robin, J. P. Sarthou, V. Cellier, A. Messéan, and J. N. Aubertot. 2017. Integrated management of damping-off diseases. A review. *Agronomy for Sustainable Development* 37(2). <https://doi.org/10.1007/s13593-017-0417-y>.
- Latif, A., M. S. Jilani, M. S. Baloch, M. M. Hashim, A. A. Khakwani, Q. U. Khan, A. Saeed, and M. Mamoon-ur-Rashid. 2021. Evaluation of critical period for weed crop competition in growing broccoli crop. *Scientia Horticulturae* 287 : 1-7.
- Luta, D. A., M. Siregar, and S. Wahyuni. 2020. Respons pertumbuhan beberapa varietas tanaman bawang merah (*Allium ascalonicum* L.) terhadap aplikasi kompos sampah kota. *Jurnal Pertanian Tropik* 7(1) : 121-125.
- Manalu, L. W. 2019. Pengaruh berbagai jenis media tanam dan pupuk NPK Mutiara (16:16:16) terhadap pertumbuhan dan produksi bawang merah (*Allium ascalonicum* L.). Fakultas Pertanian. Universitas Islam Riau. Skripsi.
- Marpaung, A. E., and R. Rosliani. 2019. Adaptability of growth and yield on 5 varieties of shallot (*Allium ascalonicum* L.) in wet highland. *Journal of Tropical Horticulture* 2(1) : 1-5.
- Maqbool, S., M. A. Hassan, X. Xia, L. M. York, A. Rasheed, and Z. He. 2022. Root system architecture in cereals: progress, challenges and perspective. *The Plant Journal* 110 : 23–42.
- Mulyani, L. K. 2018. Pengaruh pengendalian gulma pada dua jenis pupuk terhadap pertumbuhan dan hasil tanaman ubi jalar (*Ipomoea batatas* L.). Fakultas Pertanian. Universitas Brawijaya. Skripsi.
- Mutia, A. K. 2019. Pengaruh kadar air awal pada bawang merah (*Allium ascalonicum* L.) terhadap susut bobot dan tingkat kekerasan selama penyimpanan pada suhu rendah. *Gorontalo Agriculture Technology Journal* 2(1) : 30-37.
- Nafi'ah, H. H., and A. Karuniawan. 2016. Laju pertumbuhan lima genotip ubi jalar (*Ipomoea batatas* L.) yang diberi kombinasi bokashi jerami dan pupuk kalium di lahan kering. *Jagros* 1(1) : 31-47.
- Nagel, K. A., B. Kastenholz, S. Jahnke, D. Van Dusschoten, T. Aach, and M. Meuhlich. 2009. Temperature responses of roots: impact on growth, root system architecture and implications for phenotyping. *Functional Plant Biology* 36(11) : 947–959.
- Nurjannah, U. 2003. Pengaruh dosis herbisida glifosat dan 2,4-D terhadap pergeseran gulma tanaman kedelai tanpa olah tanah. *Jurnal Ilmu-Ilmu Pertanian Indonesia* 5(1) : 27-33.
- Oerke, E.C. 2006. Crop losses to pests. *Journal Agricultural Science* 144 (1): 31–43.

- Okubo, H., A. N. Sugiharto, and N. Miho. 1999. Bulbing response of shallot (*Allium cepa* L. var. *ascalonicum* Backer) and allium × wakegi Araki to daylength and temperature. *Journal of the Japanese Society of Horticultural Science* 68(2) : 283–285. <https://doi.org/10.2503/jjshs.68.283>.
- Padjung, R., E. Syam'un, F. Haring, K. Mantja, N. Kasim, and Y. Suni. 2020. Weeds diversity and the production of shallot (*Allium ascalonicum* L.) due to the application of azolla fertilizers and oxyfluorfen. *IOP Conference Series : Earth and Environmental Science* 575 : 1-8.
- Paiman. 2020. *Gulma Tanaman Pangan*. UPY Press, Yogyakarta.
- Panawala, L. 2017. Difference Between Chlorophyll A and B. <http://pediaa.com/differencebetweenchlorophyllaandb/>. Diakses 4 September 2022.
- Palupi, T., and Alfandi. 2018. Pengaruh jarak tanam dan pemotongan umbi bibit terhadap pertumbuhan dan hasil tanaman bawang merah (*Allium ascalonicum* L.) varietas bima brebes. *Jurnal AGROSWAGATI* 6(1) : 678-692.
- Pangestuti, R., E. Sulistyaningsih, B. Kurniasih, R. H. Murti, S. Harper, S. Subandiyah. 2022. Phenological growth stage of tropical shallot (*Allium cepa* L. *Aggregatum* group) planted from seed in lowland area based on the BBCH scale.
- Pangestuti, R., E. Sulistyaningsih, B. Kurniasih, and R. H. Murti. 2021. Improving seed germination and seedling growth of true seed shallot (TSS) using plant growth regulator seed priming. *IOP Conference Series: Earth and Environmental Science* 883(1). <https://doi.org/10.1088/1755-1315/883/1/012024>.
- Pantilu, L. I., F. R. Mantiri, N. S. Ai, and D. Pandiangan. 2012. Respons morfologi dan anatomi kecambah kacang kedelai (*Glycine max* (L.) Merrill) terhadap intensitas cahaya yang berbeda. *Jurnal Bioslogos* 2(2) : 81-87.
- Perdana, E. O., Chairul, and Z. Syam. 2013. Analisis vegetasi gulma pada tanaman buah naga merah (*Hylocereus polyrhizus* L.) di Kecamatan Batang Anai, Kabupaten Padang Pariaman, Sumatera Barat. *Jurnal Biologi Universitas Andalas* 2(4): 242–248.
- Permadi, A. 1994. *Allium* production and research status in Indonesia. *Acta Horticulturae* 358 : 87–93. <https://doi.org/10.17660/ActaHortic.1994.358.12>.
- Rismunandar. 2003. *Membudidayakan 5 Jenis Bawang*. Penerbit Sinar Baru Algensindo, Bandung.

- Saidah, A. N. Wahyuni, Muchtar, I. S. Padang, and Sutardi. 2020. The growth and yield performance of true shallot seed production in Central Sulawesi, Indonesia. *Asian Journal of Agriculture* 4(1) : 18-22.
- Salisbury, F.B., and C. W. Ross. 1995. *Fisiologi Tumbuhan* Jilid 3. Penerjemah : Diah R. Lukman dan Sumaryono. ITB Press, Bandung.
- Sarif, P., A. Hadid, and I. Wahyudi. 2015. Pertumbuhan dan hasil tanaman sawi (*Brassica juncea* L.) akibat pemberian berbagai dosis pupuk urea. *E-Jurnal Agrotekbis* 3(5) : 585- 591.
- Sebayang, H. T., and P. A. Prasetyo. 2020. The effect of weed control on the growth and yield of shallot (*Allium ascalonicum* L.). *International Journal of Environment, Agriculture and Biotechnology (IJEAB)* 5(1) : 136-141.
- Shopa, G. A. 2013. Peranan fotoperiode dan ga3 pada pembungaan dan produksi benih sejati bawang merah (*Allium cepa* var *aggregatum*) (true shallot seed). Institut Pertanian Bogor, Program Pascasarjana. Tesis
- Shorinola, O., R. Kaye, G. Golan, Z. Peleg, S. Kepinski, and C. Uauy. 2019. Genetic screening for mutants with altered seminal root numbers in hexaploid wheat using a high-throughput root phenotyping platform. *G3 : Genes, Genomes, Genetics* 9(9) : 2799–2809.
- Sidabariba, C. J., 2020. Pertumbuhan dan hasil tiga varietas bawang merah (*Allium ascalonicum* L.) akibat pemberian pupuk kandang sapi yang berbeda. Fakultas Pertanian. Universitas Bengkulu. Skripsi
- SINCORE. 2021. The effect of light, humidity, temperature, ventilation conditions and soil environment for plants. [The Effect of light, humidity, temperature, ventilation conditions and soil environment for plants \(sincore-lighting.com\)](http://sincore-lighting.com). Diakses 18 Agustus 2022.
- Soamole, F., Z. Abdullatif, and H. Abdullah. 2018. Pengaruh pertumbuhan gulma krokot, *Portulaca oleracea*, terhadap pertumbuhan dan produksi tanaman bawang merah *Allium ascalonicum* “topo”. *Scripta Biologica* 5(1) : 41-46.
- Souza, J. I., A. A. P. Silva, R. R. Chagas, A. M. O. Neto, C. D. G. Maciel, J. T. V. Resende, and E. O. Ono. 2016. Weed interference periods and transplanting densities of onion crop in the Brazilian Region of Guarapuava, PR. *Planta Daninha, Viçosa-MG* 34(2): 299-308.
- Spengler, T. 2022. The Effect of Light Intensity on Plant Growth. [The Effect of Light Intensity on Plant Growth | Hunker](https://hunker.com). Diakses 18 Agustus 2022.
- Suharni, L. R. Waluyati, and Jamhari. 2017. The application of good agriculture practices (gap) of shallot in Bantul regency. *Agro Ekonomi* 28(1) : 48-63.



- Sumami, N., and E. Sumiati. 1995. Teknologi Produksi Bawang Merah. Balai Penelitian Tanaman Sayuran Lembang, Bandung.
- Sumarni, N., and A. Hidayat. 2005. Budidaya Bawang Merah. Balai Penelitian Tanaman Sayuran, Lembang.
- Sumarni, N., R. Rosliani, and Suwandi. 2012. Optimasi jarak tanam dan dosis pupuk npk untuk produksi bawang merah dari benih umbi mini di dataran tinggi. *Jurnal Hortikultura* 22 (2) : 148-155.
- Sunarjono, M., and P. Soedomo. 1989. Budidaya Bawang Merah (*Allium ascalonicum* L.). Penerbit Sinar Mas, Bandung.
- Susanti, H., K. Budiraharjo, and M. Handayani. 2018. Analisis pengaruh faktor-faktor produksi terhadap produksi usahatani bawang merah di Kecamatan Wanasari Kabupaten Brebes. *AGRISOCIONOMICS Jurnal Sosial Ekonomi Pertanian* 2(1): 23-30.
- Sutarya, R. and G. Grubben. 1995. Pedoman Bertanam Sayuran Dataran Rendah. Gadjah Mada University Press, Prosea Indonesia – Balai Penelitian Hortikultura, Lembang.
- Tabuni, A. 2017. Budidaya tanaman bawang merah. [OSF | BUDIDAYA TANAMAN BAWANG MERAH](#). Diakses 29 Juni 2022.
- Tim Bina Karya Tani. 2008. Pedoman Bertanam Bawang Merah. Yrama Widya, Bandung.
- Wang, X., G. Chen, S. Du, H. Wu, R. Fu, and X. Yu. 2021. Light intensity influence on growth and photosynthetic characteristics of *Horsfieldia hainanensis*. *Frontiers in Ecology and Evolution* 9 : 1-14.
- Wulandari, R., N. E. Suminarti, and H. T. Sebayang. 2016. Pengaruh jarak tanam dan frekuensi penyiangan gulma pada pertumbuhan dan hasil tanaman bawang merah (*Allium ascalonicum*). *Jurnal Produksi Tanaman* 4(7) : 547 – 553.
- Yosias, V. Y., Y. Nurchayati, D. N. Setiari. 2022. Penggunaan media tanah, pasir, dan pupuk kandang bagi perkecambahan dan pertumbuhan bibit cabai merah (*Capsicum annuum* L.). Fakultas Sains dan Matematika. Universitas Diponegoro. Skripsi.
- Zamaniah, L. N., T. Handayani, and R. Saraswati. 2018. Pengaruh hujan ekstrem terhadap produktivitas bawang merah di Kabupaten Probolinggo Jawa Timur. *Prosiding Seminar Nasional Pendidikan Geografi FKIP UMP* : 173-183.