IX. DAFTAR PUSTAKA

Acheampoong, K., P. Hadley, dan A. J. Daymond. 2013. Photosynthetic Activity & Early Growth of Four Cacao Genotypes as Influenced by Differrent Shade Regimes Uner west African Dry and Wet Season Conditions. *Experimental Agriculture, 49* (1), 31-42.

Adet, L., Rozendaal, D. M. A., Tapi, A., Zuidema, P. A., Vaast, P., & Anten, N. P. R. (2024). Negative effects of water deficit on cocoa tree yield are partially mitigated by irrigation and potassium application. *Agricultural Water Management*, *296*. https://doi.org/10.1016/j.agwat.2024.108789

Adet, L., Rozendaal, D. M. A., Zuidema, P. A., Vaast, P., & Anten, N. P. R. (2024). Cocoa tree performance and yield are affected by seasonal rainfall reduction. *Agricultural Water Management*, *302*. https://doi.org/10.1016/j.agwat. 2024. 108995

Adhikari, P. B., Xu, Q., & Notaguchi, M. (2022). Compatible Graft Establishment in Fruit Trees and Its Potential Markers. *Agronomy* (Vol. 12, Issue 8). MDPI. https://doi.org/10.3390/agronomy12081981

Akram, N. A., Shafiq, F., & Ashraf, M. (2017). Ascorbic acid-a potential oxidant scavenger and its role in plant development and abiotic stress tolerance. *Frontiers in Plant Science* (Vol. 8). Frontiers Research Foundation. https://doi.org/10.3389/fpls.2017.00613

Amoah, F. M. (2006). Review of vegetative propagation of cacao *(Theobroma cacao* L.) by rooted cuttings: environmental and technical considerations. *Ghana Journal of Agricultural Science* (Vol. 39).

Anita Sari, I., & Susilo, A. W. (2012). Keberhasilan sambungan pada beberapa jenis batang atas dan famili batang bawah kakao (*Theobroma cocoa* L.). *Pelita Perkebunan*, *28*(2), 71–81.

Anita-Sari, I., Soesilo, A. W., & Mawardi, S. (2015). *Seleksi dan Pemuliaan Kakao in T. Wahyudi, Misnawi, Pujiyanto (Eds), Kakao Sejarah, Botani, Proses Produksi, Pengolahan dan Perdagangan. 1st Ed. Gadjah Mada University Press, Yogyakarta.*

Aryal, S., Baniya, M. K., Danekhu, K., Kunwar, P., Gurung, R., & Koirala, N. (2019). Total Phenolic content, Flavonoid content and antioxidant potential of wild vegetables from western Nepal. *Plants*, *8*(4). https://doi.org/10.3390/plants8040096

Asman, A., Iwanami, T., & Rosmana, A. (2024). Effect of drought stress on dieback disease development under *Lasiodiplodia theobromae* infection in cocoa clone "MCC 02." *Beverage Plant Research*, *0*(0), 1–12. https://doi.org/10.48130/bpr-0024-0023

Babenko, L. M., Smirnov, O. E., Romanenko, K. O., Trunova, O. K., & Kosakivska, I. V. (2019). Phenolic compounds in plants: Biogenesis and functions. *Ukrainian Biochemical Journal*, Vol. 91, Issue 3, pp. 5–18). https://doi.org/10.15407/ubj91.03.005

Barton, K. E. (2024). The ontogenetic dimension of plant functional ecology. *Functional Ecology, 38*: 98-113DOI: 10.1111/1365-2435.14464

BMKG. (2022). *Indonesian Climate Outlook 2023*. Badan Meteorologi, Klimatologi dan Geofisika, Jakarta, Indonesia.

BMKG. (2023). *Indonesian Climate Outlook 2024*. Badan Meteorologi, Klimatologi dan Geofisika, Jakarta, Indonesia.

BPS. (2023). Statistik Kakao Indonesia Tahun 2022. *Badan Pusat Statistik, Volume 7, Jakarta, Indonesia*.

BSN. (2008). Standar Nasional Indonesia: Biji Kakao. *Badan Standardisasi Nasional, Jakarta, Indonesia. Avalaible at* SNI 2323_2008 Biji kakao - acanis1016 | PDF Online | FlipHTML5.

Cao, Y., Zhong, Z., Wang, H., & Shen, R. (2022). Leaf angle: a target of genetic improvement in cereal crops tailored for high-density planting. *Plant Biotechnology Journal*, Vol. 20, Issue 3, pp. 426–436). https://doi.org/10.1111/pbi.13780

Cahyo, A. N., Murti, R. H., Putra, E. T. S., Oktavia, F., Ismawanto, S., & Montoro, P. (2022). Rubber Genotypes with Contrasting Drought Factor Index Revealed Different Mechanisms for Drought Resistance in Hevea brasiliensis. *Plants*, 11(24). https://doi.org/10.3390/plants11243563

Carr, M. K. V., dan G. Lockwoods. 2011. The Water Relations and Irrigation Requirements of Cocoa (*Theobroma cacao* L.): A Review. *Explanation Agriculture, 47(4),* 653-676.

Chun, H. C., Lee, S., Choi, Y. D., Gong, D. H., & Jung, K. Y. (2021). Effects of drought stress on root morphology and spatial distribution of soybean and adzuki bean. *Journal of Integrative Agriculture*, *20*(10), 2639–2651. https://doi.org/10.1016/S2095-3119(20)63560-2

Daymond, A. J., Prawoto, A., Abdoellah, S., Susilo, A. W., Cryer, N. C., Lahive, F., & Hadley, P. (2020). Variation in Indonesian cocoa farm productivity in relation to management, environmental and edaphic factors. *Experimental Agriculture*, Vol. 56, Issue 5, pp. 738–751. https://doi.org/10.1017/S0014479720000289

de Vries, J., Evers, J. B., Kuyper, T. W., van Ruijven, J., & Mommer, L. (2021). Mycorrhizal associations change root functionality: a 3D modelling study on competitive interactions between plants for light and nutrients. *New Phytologist*, *231*(3), 1171–1182. https://doi.org/10.1111/nph.17435

Dobrev, P. I., Hoyerová, K., & Petrášek, J. (2017). Analytical determination of auxins and cytokinins. In *Methods in Molecular Biology* (Vol. 1569, pp. 31–39). https://doi.org/10.1007/978-1-4939-6831-2_2

Dzandu, E., Enu-Kwesi, L., Markwei, C. M., & Ayeh, K. O. (2021). Screening for drought tolerance potential of nine cocoa (*Theobroma cacao* L.) genotypes from Ghana. *Heliyon*, *7*(11). https://doi.org/10.1016/j.heliyon.2021.e08389

Gateau-Rey, L., Tanner, E. V. J., Rapidel, B., Marelli, J. P., & Royaert, S. (2018). Climate change could threaten cocoa production: Effects of 2015-16 El Niño-related drought on cocoa agroforests in Bahia, Brazil. *PLoS ONE*, *13*(7). https://doi.org/10.1371/journal.pone.0200454

Ghimire, B. K., Kim, S. H., Yu, C. Y., & Chung, I. M. (2022). Biochemical and Physiological Changes during Early Adventitious Root Formation in Chrysanthemum indicum Linné Cuttings. *Plants*, *11*(11). https://doi.org/10.3390/plants11111440

Goldschmidt, E. E. (2014). Planting grafting: new mechanisms, evolutinary implications. *Frontiers in Plant Sciences*. https://doi: 10.3389/fpls.2014.00727

Gomes, A. R. S., Sodre, G. A., Guiltinan, M., Lockwood, R., & Maximova, S. (2015). *Supplying new cocoa planting material to farmers: A review of propagation methodologies* (B. Laliberte & M. End, Eds.). www.bioversityinternational.org.

Haghpanah, M., Hashemipetroudi, S., Arzani, A., & Araniti, F. 2024. Drought Tolerance in Plants: Physiological and Molecular Responses. *Plants*, *13*, 2962. https://doi.org/10.3390/plants13212962

Hartmann, H. T., Kester, D. E., Davies, F. T., Jr., & Geneve, R. L. (2011). *Hartmann and Kester's Plant Propagation: Principles and Practices* (8th ed.). Prentice Hall / Pearson Education.

Jaimez, R., Loor, R., Arteaga, F., Márquez, V., & Tezara, W. (2021). Differential response of photosynthetic activity, leaf nutrient content and yield to long-term

drought in cacao clones. *Acta Agronomica*, *70*(3). https://doi.org/10.15446/acag.v70n3.92252

Kementerian Pertanian. (2017). *Keputusan menteri pertanian RI nomor 25/Kpts/KB/020/5/2017 tentang pedoman produksi, serifikasi, peredaram dan pengawan benih tanaman kakao (Theobroma cacao L). Kementerian Pertanian Republik Indonesia.*

Kummerow, J., M. Kummerow, dan W. S. Da Silva. 1982. Fine Root Growth Dynamics in Cacao (*Theobroma cacao* L.). *Plant Soil,* 65, 193-201.

Lahive, F., Hadley, P., & Daymond, A. J. (2019). The physiological responses of cacao to the environment and the implications for climate change resilience. A review. In *Agronomy for Sustainable Development* (Vol. 39, Issue 1). Springer-Verlag France. https://doi.org/10.1007/s13593-018-0552-0

Lamba, K., Kumar, M., Singh, V., Chaudhary, L., Sharma, R., Yashveer, S., & Dalal, M. S. (2023). Heat stress tolerance indices for identification of the heat tolerant wheat genotypes. *Scientific Reports*, *13*(1). https://doi.org/10.1038/s41598-023-37634-8

Lubis, N., Sofiyani, S., & Junaedi, E. C. (2022). Penentuan Kualitas Madu Ditinjau dari Kadar Sukrosa dengan Metode Luff Schoorl. *Jurnal Sains Dan Kesehatan*, *4*(3), 290–297. https://doi.org/10.25026/jsk.v4i3.1050

Maghfiroh, C. N., & Putra, E. T. S. (2020). Morphological characters of root and yield of three cocoa (*Theobroma cacao* L.) clones in the field with dead-end trench. *Agricultural Science*, *5*(2), 58. https://doi.org/10.22146/ipas.51284

Maghfiroh, C. N., Putra, E. T. S., & Dewi, HS. E. S. (2020). Root detection by resistivity imaging and physiological activity with the dead-end trench on three clones of cocoa (*Theobroma cacao*). *Biodiversitas*, *21*(6), 2794–2803. https://doi.org/10.13057/biodiv/d210656

Malecka, A., Kutrowska, A., Piechalak, A., & Tomaszewska, B. (2015). High peroxide level may be a characteristic trait of a hyperaccumulator. *Water, Air, and Soil Pollution*, *226*(4). https://doi.org/10.1007/s11270-015-2347-0

Mendieta, K. A., Burleigh, J. G., & Putz, F. E. (2021). Pith width, leaf size, and twig thickness. American Journal of Botany, 108(11), 2143–2149. https://doi.org/10.1002/ajb2.1800

Menezes-Blackburn, D., Giles, C., Darch, T., George, T. S., Blackwell, M., Stutter, M., Shand, C., Lumsdon, D., Cooper, P., Wendler, R., Brown, L., Almeida, D. S., Wearing, C., Zhang, H., & Haygarth, P. M. (2018). Opportunities for mobilizing

recalcitrant phosphorus from agricultural soils: a review. *Plant and Soil* (Vol. 427, Issues 1–2, pp. 5–16). Springer International Publishing. https://doi.org/10.1007/s11104-017-3362-2

Mensah, E. O., Ræbild, A., Asare, R., Amoatey, C. A., Markussen, B., Owusu, K., Asitoakor, B. K., & Vaast, P. (2023). Combined effects of shade and drought on physiology, growth, and yield of mature cocoa trees. *Science of the Total Environment*, *899*. https://doi.org/10.1016/j.scitotenv.2023.165657

Miller, C.R & M.J. Guiltinan. 2003. Perspective on rapid vegetative multiplication for orthotropic scion and rootstock varieties of cocoa. Proceedings of International Workshop on Cocoa Breeding for Improved Production System. 189-194.

Miller, C. R. (2009). *An Integrated In Vitro and Greenhouse Orthotropic Clonal Propagation System for Theobroma Cacao L* (Dissertation). Dissertation, The Pennsylvania State University.

Mithöfer, D., Roshetko, J. M., Donovan, J. A., Nathalie, E., Robiglio, V., Wau, D., Sonwa, D. J., & Blare, T. (2017). Unpacking 'sustainable' cocoa: do sustainability standards, development projects and policies address producer concerns in Indonesia, Cameroon and Peru? *International Journal of Biodiversity Science, Ecosystem Services and Management*, *13*(1), 444–469. https://doi.org/10.1080/21513732.2018.1432691

Mommer, L. 1999. The Water Relations in Cacao (*Theobroma cacao* L.): Modelling Root Growth and Evapotranspiration. Thesis. Wageningen Agricultural University, Department of Theoretical Production Ecology, Netherlands.

Niemenak, N., Cilas, C., Rohsius, C., Bleiholder, H., Meier, U., & Lieberei, R. (2010). Phenological growth stages of cacao plants (*Theobroma* sp.): Codification and description according to the BBCH scale. *Annals of Applied Biology*, *156*(1), 13–24. https://doi.org/10.1111/j.1744-7348.2009.00356.x

Noah, A. M., Casanova-Sáez, R., Ango, R. E. M., Antoniadi, I., Karady, M., Novák, O., Niemenak, N., & Ljung, K. (2021). Dynamics of auxin and cytokinin metabolism during early root and hypocotyl growth in theobroma cacao. *Plants*, *10*(5). https://doi.org/10.3390/plants10050967

Nurwahyuni, E., & Putra, E. T. S. (2019). The Effect of Calcium on Photosynthetic Rate due to ABA and Proline Behaviour of Oil Palm (*Elaeis guineensis* Jacq.) Seedlings under Drought Conditions. *Caraka Tani: Journal of Sustainable Agriculture*, *34*(1), 31–42. https://doi.org/10.20961/carakatani.v34i1.28264

N'zi, J. C., Koné, I., M'bo, K. A. A., Koné, S., & Kouamé, C. (2023). Successful grafting elite cocoa clones (*Theobroma cacao* L.) as a function of the age of rootstock. *Heliyon*, *9*(8). https://doi.org/10.1016/j.heliyon.2023.e18732

Partelli, F. L., Covre, A. M., Oliveira, M. G., Alexandre, R. S., da Vitória, E. L., & da Silva, M. B. (2014). Root system distribution and yield of "Conilon" coffee propagated by seeds or cuttings. *Pesquisa Agropecuaria Brasileira*, *49*(5), 349–355. https://doi.org/10.1590/S0100-204X2014000500004

Pedersen, O., Sauter, M., Colmer, T. D., & Nakazono, M. (2021). Regulation of root adaptive anatomical and morphological traits during low soil oxygen. *New Phytologist, 229* (1), pp. 42–49. https://doi.org/10.1111/nph.16375

Pour-Aboughadareh, A., Khalili, M., Poczai, P., & Olivoto, T. (2022). Stability Indices to Deciphering the Genotype-by-Environment Interaction (GEI) Effect: An Applicable Review for Use in Plant Breeding Programs. *Plants*, *11* (3). MDPI. https://doi.org/10.3390/plants11030414

PPKKI. (2017). Laporan Akhir Tahun Penjualan Bahan Tanam. Pusat Penelitian Kopi dan Kakao Indonesia.

Prawoto, A.A. (2004). Pengaruh penyetekan, klon, intensitas penyinaran serta konsentrasi zat pengatur tumbuh terhadap persentase setek kakao berakar. Laporan Penelitian. Pusat Penelitian Kopi dan Kakao Indonesia.

Qaderi, M. M., Martel, A. B., & Dixon, S. L. (2019). Environmental factors influence plant vascular system and water regulation. Plants, 8(3), 65. https://doi.org/10.3390/plants8030065

Raij-Hoffman, I., Dahan, O., Dahlke, H. E., Harter, T., & Kisekka, I. (2024). Assessing Nitrate Leaching During Drought and Extreme Precipitation: Exploring Deep Vadose-Zone Monitoring, Groundwater Observations, and Field Mass Balance. *Water Resources Research*, *60*(11). https://doi.org/10.1029/2024WR037973

Sakiroh, I. Sobari, dan M. Herman. 2015. Teknologi Mengurangi Dampak Perubahan Iklim pada Kakao di Lahan Kering. *Sirinov, 3* (2), 55 – 66.

Sanier, C., Oliver, G., Clément-Vidal, A., Fabre, D., Lardet, L., Montoro, P., 2013. Influence of Water Deficit on the Physiological and Biochemical Parameters of in vitro Plants from *Hevea brasiliensis* Clone PB 260. J. Rubber Res. 16, 61–74.

Santos, E. A. D., Almeida, A. A. F. D., Branco, M. C., Santos, I. C. D., Ahnert, D., Baligar, V. C., & Valle, R. R. (2018). Path analysis of phenotypic traits in young cacao plants under drought conditions. *PLoS ONE*, *13*(2). https://doi.org/10.1371/journal.pone.0191847

Santos, I. C. D., Almeida, A. A. F. D., Anhert, D., Conceição, A. S. D., Pirovani, C. P., Pires, J. L., Valle, R. R., & Baligar, V. C. (2014). Molecular, physiological and biochemical responses of *Theobroma cacao* L. genotypes to soil water deficit. *PLoS ONE*, *9*(12). https://doi.org/10.1371/journal.pone.0115746

Santoso, T. I., & Zakariyya, F. (2022). Field Performance of Plagiotropic Cocoa in Two Clonally Propagation Methods: Vegetative and Early Production Phase. *AIP Conference Proceedings*, *2563*. https://doi.org/10.1063/5.0104501

Sasse J., R. Sands. 1996. Comparative responses of cuttings and seedlings of Eucalyptus globulus to water stress. *Tree Physiol, 16,* 287–294.

Schmidt, J. E., DuVal, A., Puig, A., Tempeleu, A., & Crow, T. (2021). Interactive and Dynamic Effects of Rootstock and Rhizobiome on Scion Nutrition in Cacao Seedlings. *Frontiers in Agronomy*, *3*. https://doi.org/10.3389/fagro.2021.754646

Schwendenmann, L., E. Veldkamp, G. Moser, H. Dirk, M. Kohler, Y. Cloughs, dan S. Oliver. 2016. Effects of an experimental drought on the functioning of cacao Agroforestry system, Sulawesi, Indonesia. *Global Change Biology, 16,* 1515 – 1530.

Seigler D. S. 2012. *Plant Secondary Metabolism.* Massachusetts (US) : Kluwer Academic.

Sodré, G. A., & Gomes, A. R. S. (2019). Cocoa propagation, technologies for production of seedlings. *Revista Brasileira de Fruticultura*, *41*(2). https://doi.org/10.1590/0100-29452019782

Song, Z., Wang, L., Lee, M., & Yue, G. H. (2023). The evolution and expression of stomatal regulators in C3 and C4 crops: Implications on the divergent drought tolerance. *Frontiers in Plant Science*, *14*. https://doi.org/10.3389/fpls.2023.1100838

Steffens, B., & Rasmussen, A. (2016). The physiology of adventitious roots. *Plant Physiology*, *170*(2), 603–617. https://doi.org/10.1104/pp.15.01360

Suchithra, M., Suma, B., Js, M., Mathew, D., & Santhosh, K. A. (2023). Biochemical Response of Cocoa (*Theobroma cacao* L.) Genotypes to Water Deficit Stress Condition. *Environment and Ecology 41 (2)*, 824–830. https://www.researchgate.net/publication/370602096

Suchithra, M., Suma, B., Minimol, J. S., Mathew, D., & Kumar, A. V. S. (2022). Physiological response of cocoa (*Theobroma cacao* L.) genotypes to drought. *Journal of Plantation Crops*, *50*(3), 136–144. https://doi.org/10.25081/jpc.2022.v50.i3.8073

Supriana, T., Nasution, S., Pane, T. & Hanum, S. (2018). Factors Influencing the Conversion of Cocoa Lands into Oil Palm in Asahan District of North Sumatra In Proceedings of the International Conference of Science, Technology, Engineering, Environmental and Ramification Researches (ICOSTEERR 2018)-Research in Industry 4.0, pages 31-36. DOI: 10.5220/0010079000310036

Susilo, A. W., Anita-Sari, I., & Setyawan, B. (2020). Yield Performance of Promising Cocoa Clones (*Theobroma cacao* L.) in Dry Climatic Conditions. *Edition Pelita Perkebunan*, *36*(1), 24–31.

Susilo, A. W. (2023). Dukungan Inovasi Teknologi untuk Agribisnis Kakao Berkelanjutan. *ANR Conference Series*, available online at https://talentaconfseries.usu.ac.id/anr.

Syamsiyah, J., Minardi, S., Herdiansyah, G., Cahyono, O., & Mentari, F. C. (2023). Physical Properties of Alfisols, Growth and Products of Hybrid Corn Affected by Organic and Inorganic Fertilizer. *Caraka Tani: Journal of Sustainable Agriculture*, *38*(1), 99–112. https://doi.org/10.20961/carakatani.v38i1.65014

Taiz, L., Møller, I., Murphy, A., & Zeiger, E. (2023). *Plant Physiology and Development*. Oxford University Press. Retrieved 19 Oct. 2025, from https://www.oxfordsciencetrove.com/view/10.1093/hesc/9780197614204.001.0001/isbn-9780197614204.

Thomas, D. S. (2009). Survival and growth of drought hardened Eucalyptus pilularis Sm. seedlings and vegetative cuttings. *New Forests*, *38*(3), 245–259. https://doi.org/10.1007/s11056-009-9144-9

Tomescu, A. M. F. (2021). The stele – a developmental perspective on the diversity and evolution of primary vascular architecture. *Biological Reviews*, *96*(4), 1263–1283. https://doi.org/10.1111/brv.12699

Wahyudi, T., Pujiyanto, & Misnawi. (2015). *Kakao: Sejarah, Botani, Proses Produksi, Pengolahan dan Perdagangan*. Gadjah Mada Univesity Press, Yogyakarta, Indonesia.

Wakeel, A., & Ishfaq, M. (2021). Potash use and dynamics in agriculture. In *Potash Use and Dynamics in Agriculture*. Springer. https://doi.org/10.1007/978-981-16-6883-8

Wood, G. A. R. dan R. A. Lass. 1985. *Cocoa. 4th Edn.* Longman Group, Ltd. London. 620 pp.

Wuriandani, A., Susilo, A. W., Mitrowiardjo, S., Setyawan, B., & Sari, I. A. (2018). Diversity of pods and beans of twelve cocoa clones (Theobroma cacao L.) in rainy and dry seasons. *Edition Pelita Perkebunan*, *34*(1), 1–10.

Xue, Z., Liu, L., & Zhang, C. (2020). Regulation of shoot apical meristem and axillary meristem development in plants. *International Journal of Molecular Sciences*, *21*(8). https://doi.org/10.3390/ijms21082917

Yang, Q., Cheng, W., Hao, Z., Zhang, Q., Yang, D., Teng, D., Zhang, Y., Wang, X., Shen, H., & Lei, S. (2022). Study on the Fractal Characteristics of the Plant Root System and Its Relationship with Soil Strength in Tailing Ponds. *Wireless Communications and Mobile Computing*, *2022*. https://doi.org/10.1155/2022/9499465

Yang, X., Li, R., Jablonski, A., Stovall, A., Kim, J., Yi, K., Ma, Y., Beverly, D., Phillips, R., Novick, K., Xu, X., & Lerdau, M. (2023). Leaf angle as a leaf and canopy trait: Rejuvenating its role in ecology with new technology. *Ecology Letters*, *26*(6), 1005–1020. https://doi.org/10.1111/ele.14215

Zakariyya, F., & Indradewa, D. (2018). Drought Stress Affecting Growth and Some Physiological Characters of Three Cocoa Clones at Seedling Phase. *Edition Pelita Perkebunan*, *34*(3), 156–165.

Zakariyya, F., Setyawan, B., & Wahyu Susilo, A. (2017). Stomatal, Proline, and Leaf Water Status Characters of Some Cocoa Clones (*Theobroma cacao* L.) on Prolonged Dry Season. *Pelita Perkebunan (a Coffee and Cocoa Research Journal)*, *33*(2), 109–117. https://doi.org/10.22302/iccri.jur. pelitaperkebunan. v33i2.264

Zambrano, M. A. O., Castillo, D. A., Perez, L. R., & Teran, W. (2021). Cacao (Theobroma cacao L.) Response to Water Stress: Physiological Characterization and Antioxidant Gene Expression Profiling in Commercial Clones. Frontiers in Plant Science, 12. https://doi.org/10.3389/fpls.2021 .700855

Zasari, M., Wachjar, A., Susilo, A. W., & Sudarsono, S. (2020). Prope legitimate rootstocks determine the selection criteria for drought-tolerant cocoa. *Biodiversitas*, *21*(9), 4067–4075. https://doi.org/10.13057/biodiv/d210918

Zhang, S., Peng, F., Xiao, Y., Wang, W., & Wu, X. (2020). Peach PpSnRK1 Participates in Sucrose-Mediated Root Growth Through Auxin Signaling. *Frontiers in Plant Science*, *11*. https://doi.org/10.3389/fpls.2020.00409

Zuidema, P.A., P. A. Leffelaar, W. Gerritsma, L. Mommer, dan N. P. R. Anten. 2005. A physiological production model for cocoa (*Theobroma cacao*): model presentation, validation and application. *Agricultural System, 84*, 195-225.