

DAFTAR PUSTAKA

- Adi, Y. D. S. 2020. *Evaluasi Karakter Kuantitatif Hibrid Eucalyptus pellita dengan Eucalyptus urophylla untuk Seleksi Pohon Induk Unggul Bagi Perbanyakkan Vegetatif* (Doctoral dissertation, Universitas Gadjah Mada).
- Arnold, R., J.C. Carmona and C. Balocchi. 1991. Clonal propagation programme for *Eucalyptus globulus* in Chile. *Bosque* 12, 3-9.
- Astuti, A. W. 2013. Pengaruh Sifat Kimia Tanah Terhadap Pertumbuhan Tanaman Jati Umur 3 Tahun di Petak 14 Wanagama I Gunung Kidul.
- Bailey, S.W., S.B. Horsley, R.P. Long, and R.A. Hallett. 2004. Influence of edaphic factors on sugar maple nutrition and health on the Allegheny Plateau. *Soil Sci. Soc. Am. J.* 68:243–252
- Benzian B. 1965. Experiments on nutrition problems in forest nurseries. Vol. I. Her Majesty's Stationary Office, London. *Forestry Commission Bulletin* No. 37. 251 pp.
- Boralho, N.M.G., P.P. Cotteril and P.J. Kanowski. 1992. Genetic parameter and gain expected from selection for dray weight *Eucalyptus globulus ssp. Globules* in Portugal. *Forest Science* 38, 80-94.
- Bristow, M. 2008. *Growth of Eucalyptus pellita in mixed species and monoculture plantations* (Doctoral dissertation, Southern Cross University).
- Broadley MR, Hammond JP, King GJ, Astley D, Bowen HC, Meacham MC et al. 2008. Shoot calcium and magnesium concentrations differ between subtaxa, are highly heritable, and associate with potentially pleiotropic loci in *Brassica oleracea*. *Plant Physiol* 146:1707–1720.
- Campinos, E. and Y.K. Ikemori. 1988. *Selection and management of basic population Eucalyptus grandis and Eucalyptus urophylla established at Aracruz for long term breeding programme*. In Breeding tropical trees: Population structure and genetic improvement strategies in clonal and seedling forestry (Eds. G.L.Gibson, A.R. Griffin, and A.C. Matheson). Proceeding IUFRO Conference, Pattaya, Thailand. Oxford Forestry Institute and Winrock International.
- Cromack Jr, K., Sollins, P., Todd, R. L., Fogel, R., Todd, A. W., Fender,

- W. M., ... & Crossley Jr, D. A. 1977. The role of oxalic acid and bicarbonate in calcium cycling by fungi and bacteria: some possible implications for soil animals. *Ecological Bulletins*, 246-252.
- Deng, W., Luo, K., Li, D., Zheng, X., Wei, X., Smith, W., ... & Pei, Y. 2006. Overexpression of an Arabidopsis magnesium transport gene, AtMGT1, in *Nicotiana benthamiana* confers Al tolerance. *Journal of experimental botany*, 57(15), 4235-4243.
- Dering, M., and Chybicki, I. 2012. Assessment of genetic diversity in two-species oak seed stands and their progeny populations. *Scandinavian Journal of Forest Research*, 27: 2-9.
- Eaton, G. K. 1994. *Oxalic acid production by the ectomycorrhizal fungus Hebeloma westraliensis and its role in the nutrient acquisition and growth of Eucalyptus diversicolor in calcareous soil* (Doctoral dissertation, Virginia Tech).
- Eldridge, K., Davidson, J., Harwood, C., and Wyk, G. v. 1997. *Eucalyptus* domestication and breeding: *Oxford Science Publications* pp. 288.
- Eldridge, K., J. Davidson, C. Harwood and G. Van Wyk. 1993. *Eucalypts breeding and domestication. Clarendon Press, Oxford*, 214 pp.
- Erna, H., & Azrai, E. P. 2016. Dynamics Of Understorey at Wanagama Educational Forest, Yogyakarta. *Sustainable Forest Development in view of Climate Change (SFDCC2016)*, 27.
- Faisal, R., Siregar, E. B. M., & Anna, N. 2011. Inventarisasi gulma pada tegakan tanaman muda *Eucalyptus* spp. (Weed inventory on stand of young *Eucalyptus* spp.). *Peronema Forestry Science Journal*, 2(2), 44-49.
- Farhat, N., Elkhouni, A., Zorrig, W., Smaoui, A., Abdelly, C., & Rabhi, M. 2016. Effects of magnesium deficiency on photosynthesis and carbohydrate partitioning. *Acta physiologiae plantarum*, 38(6), 145.
- Farobi, I. 2003. Evaluasi pertanaman hybrid *Eucalyptus pellita* dan *Eucalyptus brassiana* umur 4 tahun di Wanagama I Yogyakarta.
- Ferraz, A. D. V., Momentel, L. T., & Poggiani, F. 2016. Soil fertility, growth and mineral nutrition in *Eucalyptus grandis* plantation fertilized with different kinds of sewage sludge. *New forests*, 47,

861-876.

Ginting, E. N., Sutandi, A., Nugroho, B., & Indriyati, L. T. 2013. Rasio dan kejenuhan hara K, Ca, Mg di dalam tanah untuk tanaman kelapa sawit (*Elaeis guineensis* Jacq). *Jurnal Ilmu Tanah dan Lingkungan*, 15(2), 60-65.

Gostincar, J., & Yuste, M.P.P. 1999. *Handbook of Agriculture*. Marcel Dekker.

Granssee, A., & Führs, H. 2013. Magnesium mobility in soils as a challenge for soil and plant analysis, magnesium fertilization and root uptake under adverse growth conditions. *Plant and Soil*, 368, 5-21.

Grover, Z. S., Cook, R. L., Zapata, M., Byron Urrego, J., Albaugh, T. J., Zelaya, A., & Campoe, O. C. 2021. *Eucalyptus grandis* response to calcium fertilization in Colombia. *Forest Science*, 67(6), 701-710.

Guo, W., Nazim, H., Liang, Z., & Yang, D. 2016. Magnesium deficiency in plants: An urgent problem. *The Crop Journal*, 4(2), 83-91.

Handayanto, E., Muddarisna, N., & Fiqri, A. 2017. *Pengelolaan kesuburan tanah*. Universitas Brawijaya Press.

Hardjana, A. K. 2013. Model hubungan tinggi dan diameter tajuk dengan diameter setinggi dada pada tegakan Tengkwang Tungkul Putih (*Shorea macrophylla* (de Vriese) PS Ashton) dan Tungkul Merah (*Shorea stenoptera* Burck.) di Semboja, Kabupaten Sanggau. *Jurnal Penelitian Ekosistem Dipterokarpa*, 7(1), 7-18.

Hariadi Y & Shabala S. 2004. Screening broad beans (*Vicia faba*) for magnesium deficiency. II. Photosynthetic performance and leaf bioelectrical responses. *Funct Plant Biol* 31:539–549

Heldt, H. W., & Piechulla, B. 2021. *Plant biochemistry*. Academic Press.

Huber, D. M., & Jones, J. B. 2013. The role of magnesium in plant disease. *Plant and soil*, 368, 73-85.

Hung, T. D., Brawner, J. T., Meder, R., Lee, D. J., Southerton, S., Thinh, H. H., & Dieters, M. J. 2015. Estimates of genetic parameters for growth and wood properties in *Eucalyptus pellita* F. Muell. to support tree breeding in Vietnam. *Annals of Forest*

Science, 72, 205-217.

Hutajulu E.F., Anna N., & Siregar E.B.M. 2015. Uji Infeksi *Cylindrocladium* sp pada Tiga Klon Hibrid *Eucalyptus grandis* x *Eucalyptus pellita*. *Peronema Forestry Science Journal*, 4(3), 148-158.

Huntington, T.G., R.P. Hooper, C.E. Johnson, B.T. Aulenbach, R. Cappellato, & A.E. Blum. 2000. Calcium depletion in a southeastern United States forest ecosystem. *Soil Sci. Soc. Am. J.* 64:1845–1858

Irianto, R. S. 2016. Hubungan Antara Kondisi Tajuk *Eucalyptus pellita* F. Muell dan Infeksi Penyakit Busuk Akar. *Jurnal Penelitian Hutan Tanaman*, 13(1), 1-11.

Jacob, A. 1958. *Magnesium. The fifth major plant nutrient*. p. 82 (London : Staples).

Johnson, C.E., J.J. Ruiz-Mendez, and G.B. Lawrence. 2000. Forest soil chemistry and terrain attributes in a Catskills watershed. *Soil Sci. Soc. Am. J.* 64:1804–1814.

Jumani, J., Maman, S., & Sukartiningsih, S. 2006. *Evaluasi Pertumbuhan Dan Keberhasilan Tanaman 8 Jenis Meranti Umur 1 Tahun Di Areal Pembangunan Tegakan Benih Meranti Semoi II Kabupaten Penajam Paser Utara* (Doctoral dissertation, Universitas Mulawarman).

Kabrick, J. M., Goyne, K. W., Fan, Z., & Meinert, D. 2011. Landscape determinants of exchangeable calcium and magnesium in Ozark Highland forest soils. *Soil Science Society of America Journal*, 75(1), 164-180.

Kinzel H. 1983. Influence of limestone, silicates and soil pH on vegetation. pp. 201-244. In: Lange O. L., Nobel P. S., Osmond C. B. and Ziegler H. (Eds) *Physiological Plant Ecology III - Responses to the Chemical and Biological Environment*. Springer-Verlag, New York.

Kobayashi, N. I., & Tanoi, K. 2015. Critical issues in the study of magnesium transport systems and magnesium deficiency symptoms in plants. *International journal of molecular sciences*, 16(9), 23076-23093.

Kramer PJ, Kozlowski TT. 1960. *Physiology of trees*. Mc Graw-Hill Book Co., New York Toronto London.

- Kumar, R. A. K. E. S. H., Rawat, K. S., & Yadav, B. 2012. Vertical distribution of physico-chemical properties under different toposequence in soils of Jharkhand. *Journal of Agricultural Physics*, 12(1), 63-69.
- Kurnia, D. 2017. Analisis signifikansi leverage dan kebijakan deviden terhadap nilai perusahaan. *JAK (Jurnal Akuntansi) Kajian Ilmiah Akuntansi*, 4(2).
- Kuswandi, R. 2017. Model pertumbuhan tegakan hutan alam bekas tebangan dengan sistem tebang pilih di Papua. *Jurnal Pemuliaan Tanaman Hutan*, 11(1), 45-56.
- Kwok, E., & Susanti, W. 2019. Penerapan metode regresi linier dalam aplikasi sistem peramalan jumlah bahan baku untuk produksi tahu. *Jurnal Mahasiswa Aplikasi Teknologi Komputer dan Informasi (JMApTeKsi)*, 1(2), 121-128.
- Ladiges, P. Y., & Ashton, D. H. 1977. A comparison of some populations of *Eucalyptus viminalis* Labill. growing on calcareous and acid soils in Victoria, Australia. *Australian Journal of Ecology*, 2(2), 161-178.
- Landis, T. D. 1988. Management of forest nursery soils dominated by calcium salts. *New Forests*, 2, 173-193.
- Lapeyrie, F. F., & Chilvers, G. A. 1985. An endomycorrhiza-ectomycorrhiza succession associated with enhanced growth of *Eucalyptus dumosa* seedlings planted in a calcareous soil. *New Phytologist*, 100(1), 93-104.
- Lhysianti, F. K. 1992. *Pengaruh Umur Kayu Mangium (Acacia mangium Wild) dan Ampupu (Eucalyptus urophylla Blake) terhadap Rendemen dan Sifat Pulp Semi Kimia Sulfit Netral*.
- Lisa, P. E. 2020. *Aplikasi Sistem Pakar Untuk Mendiagnosa Defisiensi Unsur Hara Tanaman Hidroponik Pertanian Berbasis Web* (Doctoral dissertation, Universitas Islam Riau).
- Loganathan, S., & Krishnamoorthy, K. K. 1977. *Distribution of different forms of calcium in certain soil profiles of Tamil Nadu*.
- Maguire, M. E., & Cowan, J. A. 2002. Magnesium chemistry and biochemistry. *Biometals*, 15, 203-210.
- Malavolta, E. 2006. Manual of plant mineral nutrition. *Agronômica Ceres, São Paulo*.

- Marschner, H. 1974. *Mechanisms of regulation of mineral nutrition in higher plants*.
- Marschner, H. 2011. *Marschner's mineral nutrition of higher plants*. Academic press.
- Martin, B. 1989. *The benefit of hybridization. How we do breed for them? In Breeding tropical trees: Population structure and genetic improvement strategies in clonal and seedling forestry*. pp.79-92. (Eds. G.L.Gibson, A.R. Griffin, and A.C. Matheson). Proceeding IUFRO Conference, Pattaya, Thailand ..Oxford Forestry Institute and Winrock International.
- Mas'ud P. 1992. *Telaah Kesuburan Tanah. Bandung* (ID): Angkasa
- McCoy, A. E., & Parsons, R. F. 1974. Lime chlorosis of calcifuges on Australian coastal sands. *Flora*, 163(1-2), 37-45.
- Mengutay, M., Ceylan, Y., Kutman, U. B., & Cakmak, I. 2013. Adequate magnesium nutrition mitigates adverse effects of heat stress on maize and wheat. *Plant and soil*, 368, 57-72.
- Mikkelsen R. 2010 Soil and fertilizer magnesium. *Better Crops*, 94:26–2.
- Mpapa, B. L. 2016. Analisis kesuburan tanah tempat tumbuh pohon jati (*Tectona grandis* L.) pada ketinggian yang berbeda. *Jurnal Agrista*, 20(3), 135-139.
- Muhdin, M., Suhendang, E., Wahjono, D., Purnomo, H., Istomo, I., & Simangunsong, B. C. H. 2011. Pendugaan Dinamika Struktur Tegakan Hutan Alam Bekas Tebangan. *Jurnal Manajemen Hutan Tropika*, 17(1), 1-9
- Mulawarman, O.H. Suseno, S. Sastrosumarto and M. Nai'em. 2001. *Genetic control in crossability for interspecific hybrid between Eucalyptus pellita and E. urophylla. In Developing Eucalyptus of the future*. Proceeding of IUFRO International Symposium, 10-15 November 2001, Valdivia, Chile.
- Mulawarman, S. Sastrosumarto, and M. Nai'em. 2004. *Genetic variation of nutrient efficiency for specific hybrid between Eucalyptus pellita and Eucalyptus urophylla. In Eucalypts in a changing world* (Eds. N.Boralho). Proceeding of IUFRO Conference, 10-15 November 2004, Aveiro, Portugal.
- Naibaho, R. 2003. *Pengaruh Pupuk Phonska dan Pengapuran Terhadap Kandungan Unsur Hara NPK dan pH Beberapa Tanah*

Hutan.

- Nakata, P. A. 2003. Advances in our understanding of calcium oxalate crystal formation and function in plants. *Plant Science*, 164(6), 901-909.
- Nambiar EKS. 1996. Sustained productivity of forest is a continuing challenge to soil science. *Soil Science Society of America Journal* 60. 1629-1642.
- Ningsih, E. P. 2015. Optimasi Dosis pupuk Kalsium dan Magnesium pada bibit kelapa sawit (*Elaeis guineensis jacq.*) di pembibitan utama. *Indonesian Journal of Agronomy*, 43(1), 81-88.
- Nurjanto, H. H., Supriyo, H., Widyastuti, S. M., & Kabirun, S. 2016. Dekomposisi Berbagai Jenis Seresah Gamal di Hutan Pendidikan Wanagama 1, Gunung Kidul, Yogyakarta. *Jurnal Wana Tropika*, 6(1).
- Nurtjahjaningsih, I. L. G., Widyatmoko, A.Y.P.B.C., & Rimbawanto, A. 2013. Characterization and application of microsatellite markers in several *Eucalyptus* species. *Jurnal Pemuliaan Tanam Hutan*, 7(2), 107-118.
- Okpamen, S. U., Ilori, E. G., Agho, I., Nkechika, A., Maidoh, F. U., & Okonjo, P. N. 2013. Influence of depths and soil pH on forms of magnesium in soils of four parent materials (Rhodic paleudults, Rhodic tropudalfs, Oxic tropudalfs and Aquic tropossamment). *Journal of Soil Science*, 4, 71-76.
- Pamoengkas, P., & Maharani, P. L. 2018. Manajemen Tempat Tumbuh Pada Tanaman Eucalyptus Pellita Di Pt. Perawang Sukses Perkasa Industri, Distrik Lipat Kain, Riau Site Management Eucalyptus pellita at PT. Perawang Sukses Perkasa Industri, Riau. *Journal of Tropical Silviculture*, 9(2), 79-84.
- Parsons, R. F., & Specht, R. L. 1967. Lime chlorosis and other factors affecting the distribution of *Eucalyptus* on coastal sands in southern Australia. *Australian Journal of Botany*, 15(1), 95-105.
- Prasad, R., 2007. *Crop nutrition*, New Vishal Publication, New Delhi
- Puja S. M. 2023. Karakter Morfologi dan Kandungan Minyak Atsiri Tanaman Ekaliptus Pellita (*Eucalyptus pellita*). *Jurnal Agroteknologi Agribisnis dan Akuakultur*, 3(2), 58-67.
- Pukkala, T., Lähde, E., & Laiho, O. 2009. Growth and yield models for uneven-sized forest stands in Finland. *Forest Ecology and*

Management, 258(3), 207-216.

Purwanti, E. 2022. *Pertumbuhan Acacia Crassicarpa Umur 12 Bulan Pada Berbagai Jarak Tanam Di KHDTK Wanagama* (Doctoral dissertation, Universitas Gadjah Mada).

Putra V. R. P. 2021. *Karakterisasi Morfologi Bastar Eucalyptus pellita dengan E. urophylla di Wanagama I, Gunungkidul, Yogyakarta* (Doctoral dissertation, Universitas Gadjah Mada).

Raghothama, K. G. 1999. Phosphate acquisition. *Annual review of plant biology*, 50(1), 665-693.

Rika, M. A. 2022. *Kajian Unsur Hara Makro Dan Mikro Pada Pertumbuhan Tanaman* (Doctoral dissertation, Uin Raden Intan Lampung).

Risanto, L., Hermiati, E., & Adi, D. S. 2012. Microwave Treatment on Two Fast Growing Trees Species for Bioethanol Production. *Jurnal Ilmu dan Teknologi Kayu Tropis*, 10(1), 76-81.

Riyadi, A. 2016. *Analisis hara makro tanah satu tahun pasca kebakaran pada kawasan hutan konservasi kelurahan Kerumutan di Kecamatan Kerumutan Kabupaten Pelalawan* (Doctoral dissertation, Universitas Islam Negeri Sultan Syarif Kasim Riau).

Rocha, J. H. T., du Toit, B., & de Moraes Goncalves, J. L. 2019. Ca and Mg Nutrition and Its Application In *Eucalyptus* and *Pinus* Plantations. *Forest Ecology and Management*, 442, 63-78.

Rosianty, Y., Lensari, D., & Monita, R. M. 2021. Growth Of Seeds (*Eucalyptus pelita* F. Muell) Using Various Plating Media. *Sylva: Jurnal Penelitian Ilmu-Ilmu Kehutanan*, 10(2), 26-31.

Sabda, F., & Nugroho, P. 2014. *Kandungan Unsur Hara Magnesium Pada Petak Ukur Permanen Dengan Berbagai Tipe Penutupan Vegetasi Di Hutan Pendidikan Wanagama I Gunungkidul*. Yogyakarta : Universitas Gadjah Mada.

Salmon, R. C. 1963. Magnesium relationships in soils and plants. *Journal of the Science of Food and Agriculture*, 14(9), 605-610.

Samsedin I. & Dharmawan IWS. 2006. Kesuburan tanah hutan hujan tropik dan kesesuaiannya untuk beberapa jenis tanaman pertanian pada hutan produksi bekas tebangan di Kalimantan Timur. *Jurnal penelitian hutan dan komservasi alam*. 3(5):505-512.

- Santosa, M. P., Hasan, A., TP, S., Tech, M., & Seftian, A. F. 2023. *Rancang Bangun Alat Destilasi Daun Ekaliptus*. uwais inspirasi indonesia.
- Sari, D. P., Ginting, Y. C., & Pangaribuan, D. 2020. Pengaruh konsentrasi kalsium terhadap pertumbuhan dan produksi dua varietas tanaman melon (*Cucumis melo* L.) pada sistem hidroponik media padat. *Jurnal Agrotropika*, 18(1).
- Sartika, D. 2020. *Kesuburan Tanah pada Hutan Organik Megamendung Bogor*. IPB (Bogor Agricultural University).
- Sasrihayati, D. 2023. *Kesuburan Tanah dan Potensi Tegakan Mahoni di Gunung Kapur, Ciampea, Bogor*. IPB (Bogor Agricultural University).
- Schachtman, D. P., Reid, R. J., & Ayling, S. M. 1998. Phosphorus uptake by plants: from soil to cell. *Plant physiology*, 116(2), 447-453.
- Siddiqui, M. H., Al-Whaibi, M. H., Sakran, A. M., Basalah, M. O., & Ali, H. M. 2012. Effect of calcium and potassium on antioxidant system of *Vicia faba* L. under cadmium stress. *International Journal of Molecular Sciences*, 13(6), 6604-6619.
- Sikstrom, U. 1997. Effects of Low-Dose Liming and Nitrogen Fertilization on Stemwood Growth and Needle Properties of *Picea Abies* and *Pinus Sylvestris*. *Forest Ecology and Management*, 95(3), 261-274.
- Sofyan, A., Na'iem, M., & Indrioko, S. 2011. Perolehan genetik pada uji klon jati (*Tectona grandis* Lf) Umur 3 tahun di KHDTK Kemampo, Sumatera Selatan. *Jurnal Penelitian Hutan Tanaman*, 8(3), 179-186.
- Suhandi, N., Putri, E. A. K., & Agnisa, S. 2018. Analisis Pengaruh Jumlah Penduduk terhadap Jumlah Kemiskinan Menggunakan Metode Regresi Linear di Kota Palembang. *Jurnal Ilmiah Informatika Global*, 9(2).
- Suharjo, B. 2008. *Analisa Regresi Terapan dengan SPSS*. Graha Ilmu. Bandung.
- Sulichantini, E. D. 2016. Pertumbuhan tanaman *Eucalyptus pellita* f. *Muell* di lapangan dengan menggunakan bibit hasil perbanyakan dengan metode kultur jaringan, stek pucuk, dan biji. *Ziraa'ah Majalah Ilmiah Pertanian*, 41(2), 269-275.

- Sun Xiao, S. X., Kay, A. D., Kang HongZhang, K. H., Small, G. E., Liu GuoFang, L. G., Zhou Xuan, Z. X., & Liu ChunJiang, L. C. 2013. *Correlated biogeographic variation of magnesium across trophic levels in a terrestrial food chain*.
- Supriyo, H., Prehaten, D., & Figyantika, A. 2013. Soil Properties of Eight Forest Stands Resulted From Rehabilitation of Degraded Land on The Tropical Area For Almost A Half Century (Sifat-sifat Tanah Delapan Tegakan Hutan Hasil Rehabilitasi Lahan Terdegradasi pada Daerah Tropika Selama Setengah Abad). *Jurnal Manusia dan Lingkungan*, 20(3), 294-302.
- Susila DK. 2013. Studi keharaan tanaman dan evaluasi kesuburan tanah di Lahan Pertanian Jeruk Desa Cenggiling, Kecamatan Kuta Selatan. *Agrotrop*. 3(2):13-20.
- Sutejo M. M. 1992. *Pupuk dan Cara Pemupukan*. Rineka Ciptaan. Jakarta.
- Sutisna, U., T. Kalima dan Purnadjaja. 1998. *Pedoman Pengenalan Pohon Hutan di Indonesia*. Disunting oleh Soetjipto, N.W dan Soekotjo. Yayasan PROSEA Bogor dan Pusat diklat Pegawai & SDM Kehutanan. Bogor.
- Tinker, P. B. 1982. Soil requirements of the oil palm. Oil palm Research. *Elsevier Scientific Publishing Company*, p. 165-181.
- Tisdale S. L. & Nelson W. L. 1975. Soil Fertility and Fertilizers. *Macmillan Publ. Co.*, New York. 694 pp.
- Trettin, C.C., D.W. Johnson, and D.E. Todd, Jr. 1999. Forest nutrient and carbon pools at Walker Branch watershed: Changes during a 21-year period. *Soil Sci. Soc. Am. J.* 63:1436–1448.
- Utami, F. A. P. 2019. *Pengaruh Tingkat Ketersediaan Magnesium dalam Tanah Terhadap Layu Pencil, Pertumbuhan Buah, dan Hasil Tiga Klon Kakao (Theobroma cacao L.)* (Doctoral dissertation, Universitas Gadjah Mada).
- Verbruggen, N., & Hermans, C. 2013. Physiological and molecular responses to magnesium nutritional imbalance in plants. *Plant and soil*, 368, 87-99.
- Verryin, S.D. 2000. *Eucalyptus* hybrid breeding in South Africa. In Hybrid breeding and genetic of forest tree. (Eds. H.S. Dungey, M.J. Dieters and G.D. Nikles). pp. 191-199. Proceeding of QFRI/CRC-SPF symposium, 9- 14 April 2000, Noosa,

Quensland Australia.

Vignerone, P. J.M. Bouvet, R. Gouma, A. Saya, J.M. Gion, and D. Verhaegen. 2000. Eucalypts breeding in Congo. In Hybrid breeding and genetic of forest tree. (Eds. H.S. Dungey, M.J. Dieters and G.D. Nikles). pp. 14- 26. Proceeding of QFRI/CRC-SPF symposium, 9-14 April 2000, Noosa, Quensland Australia.

Wahjudin, U. M. 1988. *Pengaruh pemupukan kalsium dan magnesium terhadap serapan hara dan produksi kacang tanah pada podsolik coklat kekuningan dari Gajrug Banten* (Doctoral dissertation, IPB (Bogor Agricultural University)).

White, P. J., & Broadley, M. R. 2003. Calcium in plants. *Annals of botany*, 92(4), 487-511.

Wilkinson, S. R., Welch, R. M., Mayland, H. F., & Grunes, D. L. 1990. Magnesium in plants: uptake, distribution, function, and utilization by man and animals.

Wirabumi, B. A. 2022. *Penilaian Status Kesehatan Tegakan Hybrid Eucalyptus peliita x E. Urophylla di Petak 18 Hutan Pendidikan Wanagama I*. (Doctoral dissertation, Universitas Gadjah Mada).

Wirawan, B. D. S., Putra, E. T. S., & Yudono, P. 2016. Pengaruh pemberian magnesium, boron dan silikon terhadap aktivitas fisiologis, kekuatan struktural jaringan buah dan hasil pisang (*Musa acuminata*) "Raja Bulu". *Vegetalika*, 5(4), 1-14.

Xing, Y., Zhu, Z. L., Wang, F., Zhang, X., Li, B. Y., Liu, Z. X., & Jiang, Y. M. 2021. Role of calcium as a possible regulator of growth and nitrate nitrogen metabolism in apple dwarf rootstock seedlings. *Scientia Horticulturae*, 276, 109740.

Yamani A. 2010. Kajian tingkat kesuburan tanah pada hutan lindung Gunung Sebatung di Kabupaten Kota Baru Kalimantan Selatan. *Jurnal Hujan Tropis* 11(29): 32.

Zhang, W., Xu, F., & Zwiazek, J. J. 2015. Responses of jack pine (*Pinus banksiana*) seedlings to root zone pH and calcium. *Environmental and Experimental Botany*, 111, 32-41.

Zubaidah, S. 2020. Kesuburan Tanah pada Berbagai Tingkat Kerapatan Tajuk di Gunung Cibodas Ciampea, Bogor.