

## DAFTAR PUSTAKA

- Amundson, R. (2001). *The carbon budget in soil*. *Annu. Rev. Earth Planet. Sci.* 29:535- 562 pp.
- Anon. (2009). Advice on the EFSA guidance document for the safety assessment of botanicals and botanical preparations intended for use as food supplements, based on real case studies. *EFSA J* 7, 290 hal.
- Aran, D., Gury, M., Jeanroy, E. (2001). Organo-metallic complexes in an Andosol: A comparative study with a Camvisol and Podzol. *Geoderma*, 97 (1-2): 65-79 hal.
- Badan Meteorologi dan Klimatologi Stasiun Minangkabau. (2023). <http://bit.ly/layanandataiklim>
- Badan Pusat Statistik. (2016). *Kota Padang Dalam Angka 2015*. Padang: BPS Kota Padang.
- Balai Penelitian Penelitian Tanah. (2012). *Petunjuk Teknis Analisis Kimia Tanah, Tanaman, Air dan Pupuk*. Bogor: Balai Penelitian dan Pengembangan Pertanian Departemen Pertanian.
- Bayer C., Martin-Neto LP., Mielniczuk J., Pillon CN and Sangoi L. (2001). Changes in Soil Organic Matter Fractions Under Subtropical No-Till Cropping Systems. *Soil Sci. Soc. Am. J.* 65: 1473-1478.
- Blair, G. J., Lefroy, R. D., dan Lisle, L. (1995). Soil Carbon Fractions Based on Their Degree of Oxidation, and the Development of a Carbon Management Index for Agricultural Systems. *Australian Journal of Agricultural Research*. 1459-1466 hal.
- Bot, A. and J. Benites. 2005. *The Importance of Soil Organic Matter, Key to Drought-resistant Soil and Sustained Food Production*. Food and Agriculture Organization of the United Nations.
- Certine, G., TaeOh, K., Bianca, R., Ika, D., Claudia, F. (2023). Decomposition of green tea and rooibos tea across three monospecific temperate forests: Effect of litter type and tree species. *Heliyon*, 9, 16689.
- Devianti, O.K.A.D dan Indah, D.T. (2017). Studi Laju Dekomposisi Serasah Hutan Pinus di Kawasan Wisata Taman Safari Indonesia II Jawa Timur. *Jurnal Sains dan Seni ITS*. Vol. 6, No. 2, 2337-3520 hal.
- Duddigan, S., Lis, J.S., Paul, D.A and Chris, D.C. (2020). Chemical Underpinning of the Tea Bag Index: An Examination of the Decomposition of Tea Leaves. *Applied and Environmental Soil Science*. Vol. 2020 8 hal.

- Fiantis, D. (2002). *Tanah Vulkanis Sumatera Barat*. Pidato ilmiah Dies Fakultas Pertanian Universitas Andalas 30 November 2002. Faperta Unand. Padang. 29 hal.
- Fiantis, D. (2004). *Morfologi dan Klasifikasi Tanah*. Fakultas Pertanian Universitas Andalas. Padang. 117-120 hal.
- Fiantis, D., Van Ranst, E., and Shamshuddin, J. (2006). Impact of acid deposition on cation leaching from Mt. Talang airfall ash. In: *New Waves in Physical Lands Resources*. Ghent University; Free University Brussels; VLIRUCOS, pp. 258-268.
- Fitriana, Z.E., Yoda, S.P., dan Zulfian. (2021). Pengaruh Kerapatan Suhu Permukaan Menggunakan Data Landsat 8 (Studi Kasus Pontianak, Kalimantan Barat). *Jurnal Prisma Fisika*, 9 (2): 152-159 hal.
- Geng, C., Yang, T., Huang, X., Ma, Y., & Zhang, X. (2016). Antidepressant potential of *Uncaria rhynchophylla* and its active flavanol, catechin, targeting melatonin receptors. *Journal of Ethnopharmacology*, 232(2019), 39–46 hal.
- Hanafiah, A. S., T. Sabrina dan H. Guchi. (2009). *Biologi dan Ekologi Tanaman*, Program Studi Agroteknologi Fakultas Pertanian, USU, Medan. 360 hal.
- Hanafiah, K.A. (2007). *Dasar - Dasar Ilmu Tanah*. Rajagrafindo Persada. Jakarta. 150-160 hal.
- Haneda. (2012). Dalam Keanekaragaman Fauna Tanah dan Peranannya terhadap Laju Dekomposisi Serasah Karet (*Hevea brasiliensis*) di Kebun Percobaan Cibodas-Ciampea Bogor. *Jurnal Silvikultur Tropika*. 5 (1):54-60 hal.
- Harbowy, M.E., Balentine, D.A., (1997). *Tea chemistry*. Crit. Rev. Plant Sci. 16, 415–480 hal.
- Hendayana S. (1994). *Kimia analisis instrument*. Semarang: IKIP press.
- Iranpour, M., A. Lakzianand R. Korrasami. (2014). Effect of cadmium and organic matter on soil pH, electrical conductivity and their roles in cadmium availability in soil. *JMEAST*, 18:643-646 hal.
- Keuskamp, J. A., Dingemans, B. J. J., Lehtinen, T., Sarneel, J. M., and Hefting, M. M. (2013). *Tea Bag Index: a novel approach to collect uniform decomposition data across ecosystems*, Meth. Ecol. Evol., 4, 1070–1075 hal.
- Larkin, P.J. (2011). *IR an Raman Spectroscopy: Principles and Spectral Interpretation*. Oxford University, Inggris. ISBN: 9780123869845.
- Lennon, J. T. and Jones, S. E. (2011). Microbial seed banks: *the ecological and evolutionary implications of dormancy*, Nat. Rev. Microbiol., 9, 119–130 hal.
- Lorenz, K., R. Lal. (2005). The depth distribution of soil organic carbon in relation to land use and management and the potential of carbon sequestration in subsoil horizons. *Advance in Agronomy*, pp.35-66.

- Mazzarino, M.J., Bartiller, M.B., Sain, C.L., Satti, P., and Coronato, F.R. (1998). Soil Nitrogen Dynamics in Northeastern Patagonia Steppe Under Different Precipitation Regimes. *Plant Soil*. 202, pp.125-131.
- Meyer, U.N., Alexander, T., Martin, F., Valentin, H.K., Till, K.E.K., Norbert, H., Ute, H. (2022). Enzyme kinetics inform about mechanistic changes in tea litter decomposition across gradients in land-use intensity in Central German grasslands. *Science of the Total Environment*, 155748, 836 hal.
- Mutiara, Ratu. (2023). *Analisis Laju Dekomposisi Teh Hitam Menggunakan Metode TBI (Tea bag Index) pada Tanah Vulkanis G. Talamau-Pasaman, SUMBAR*. [skripsi]. Padang: Universitas Andalas. 80 hal.
- Nanzyo, M., Dahlgren, R., and Shoji, S. (1993). Chemical characteristics of volcanic ash soils. In S. Shoji, M. Nanzyo, and R. Dahlgren (Ed). *Volcanic Ash Soils, Genesis, Properties and Utilizations. Development In Soils Science 21. Elsevier. Amsterdam*. pp.145-187
- Nardi, S., F. Morari, A., Berti, M., Tosoni and L. Giardini. (2004). Soil organic matter properties after 40 years different use of organic and mineral fertilizers. *Europ. Journal Agronomy* 21: 357 – 367 hal.
- Nicola, F., Puger and Muhti, M. (2015). *Hubungan Antara Konduktivitas Listrik, TDS, dan TSS dengan Kadar  $Fe^{2+}$  dan Fe Total pada Air Sumur Gali*, Prosiding Seminar Nasional Kimia, pp. 159–164.
- Noor, M., Maas, A., Notohadikusumo, T. (2008). Pengaruh pengeringan dan pembasahan terhadap sifat kimia sulfat masam Kalimantan. *Jurnal Tanah dan Iklim*. 27: 33-44 hal.
- Oyem, H., Oyem, I., and Ezeweali, D. (2014). Temperature, pH, Electrical Conductivity, Total Dissolved Solid, and Chemical Oxygen Demand of Groudwater in Boji-BojiAgbor/Owa Area and Immediate Suburbs, *Research Journal of Environmental Sciences*, Vol. 8 No. 3, pp. 271–275.
- Prayoga, D. (2021). *Pemetaan Digital Stok Karbon di Perkebunan Teh pada Tanah Vulkanis Gunung Kerinci*. [Skripsi]. Padang: Universitas Andalas.
- Rahayu, S. (2009). Pengaruh perbandingan berat bahan dan waktu ekstraksi terhadap minyak biji papaya terambil. *Journal industry dan informasi*.
- Rasyidin, A. (2023). *Irigasi, Drainase dan Penyiapan Lahan Berpengairan*. PT. Mafy Media Literasi Indonesia. Solok: Sumatera Barat. 125 hal.
- Saidy, A. R. (2018). *Bahan Organik Tanah: Klasifikasi, Fungsi dan Metode Studi*. Lambung Mangkurat University Press, Banjarmasin. 64 hal.
- Schmidt, F.H. and Ferguson, J.H.A. (1951). *Rainfall Types Based on Wet and Dry Period Ratios for Indonesia and Western New Guinea*. Verh. Djawatan Mety. Dan Geofisik, Jakarta 42.
- Stuart, B. (2004). *Infrared Spectroscopy: Fundamentals and Applications*. America: John Wiley. 242 hal.

- Sugiyono. (2017). *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*. Bandung: CV. Alfabeta. 444 hal.
- Sulistiyanto, Rieley dan Lamin. (2005). Laju Dekomposisi dan Pelepasan Hara dari Serasah Pada Dua Sub-Tipe Hutan Rawa Gambut di Kalimantan Tengah. *Jurnal Manajemen Hutan Tropika* 9 (2): 1-14 hal.
- Suntoro, (2003). *Peranan Bahan Organik Terhadap Kesuburan Tanah dan Upaya Pengelolannya*. Fakultas Pertanian Universitas Sebelas Maret. Sebelas Maret university Press. Jakarta. 162 hal.
- Suud, H., Syuaib, M. F., & Astika, I. W. (2015). Model Development for Estimating Soil Nutrient Levels Using Soil Electrical Conductivity Measurement. *Jurnal Keteknik Pertanian*, 03(2), 1–8 hal.
- Tan, K.H. (1998). *Dasar-Dasar Kimia Tanah*. Gajah Mada University Press. Yogyakarta. 489 hal.
- Tangkitasik, A., Wikartini, N. M., Soniarti, N. N., dan Narka, I. W. (2012). *Kadar Bahan Organik pada Tanah Sawah dan Tegalan di Bali serta Hubungannya dengan Tekstur Tanah*. Fakultas Pertanian, Universitas Udayana. Denpasar, Bali.
- Thompson, L, LR, Sanders, JG, McDonald, D., Amir, A., Ladau, J., Locey, KJ, Prill, RJ, Tripathi, A., Gibbons, SM, Ackermann, *et al.* (2017). A communal catalogue reveals Earth's multiscale microbial diversity, *Nature*, 551, 457–463 hal.
- Tim Pusat Penelitian Tanah dan Agroklimat. (1993). Petunjuk Teknis Evaluasi Lahan. Proyek Pembangunan Penelitian Pertanian Nasional Badan Penelitian dan Pengembangan Pertanian. *Departemen Pertanian*. Bogor. 113 hal.
- Twantiarriyani, D. (2015). Pemanfaatan limbah cair tahu (*Glycine* sp.) menjadi pupuk organik cair dengan penambahan EM 4. *Jurnal Teknologi* 8 (2), 127-134 hal.
- Uehara, G., dan Gillman, P. (1981). *The Mineralogy, Chemistry and Physics of Tropical Soils with Variable Charge Clays*. Westview Press, Boudier, CO.
- Ugolini, F. C. and Dahlgren, R. A. (2003). Soil development in volcanic ash. *Global Environment Research*, 6. Hal. 69–81 hal.
- Wieder, W. R., Grandy, A. S., Kallenbach, C. M., and Bonan, G. B. (2014). Integrating microbial physiology and physio-chemical principles in soils with the Microbial-Mineral Carbon Stabilization (MIMICS) model, *Biogeosciences*, 11, 3899-3 hal.