



DAFTAR PUSTAKA

- Abegaz, A., Tamene, L., Abera, W., Yaekob, T., Hailu, H., Nyawira, S. S., Silva, M. D., & Sommer, R. (2020). Soil Organic Carbon Dynamics along Chrono-sequence Land-use Systems in The highlands of Ethiopia. *Agriculture, Ecosystems & Environment*, 300, 1-11.
- Abera, Y., & Bilachew, T. (2011). Effects of Land Use on Soil Organic Carbon and Nitrogen in Soils of Bale, Southern Ethiopian. *Tropical and Subtropical Agroecosystems*, 14(1), 229-235.
- Almaz, M. G., Halim, R. A., & Martini, M. Y. (2017). Effect of Combined Application of Poultry Manure and Inorganic Fertiliser on Yield and Yield Components of Maize Intercropped with Soybean. *Pertanika Journal of Tropical Agricultural Science*, 40(1), 173-184.
- Amalia, E. R. (2016). *Pengaruh Kebakaran terhadap Nisbah C/N pada Tanah Gambut di Provinsi Jambi*. Skripsi. Tidak Dipublikasikan. Sekolah Vokasi, Universitas Gadjah Mada, Yogyakarta.
- Arifin, S., Hartono, A., Murtilaksono, K., Anwar, S., Sunarti, S., & Kuztakov, Y. (2017). Hubungan Karbon Organik Terlarut dengan Sifat Tanah pada Toposekuen di Taman Nasional Bukit Duabelas. *Jurnal Ilmu Tanah dan Lingkungan*, 19(2), 51-59.
- Atunnisa, R. (2013). *Produktivitas, Laju Dekomposisi, dan Pelepasan Hara Seresah pada Tegakan Jabon (Anthocephalus cadamba Miq.)*. Skripsi. Tidak Dipublikasikan. Institut Pertanian Bogor, Bogor.
- Bárcena, T. G., Kiær, L. P., Vesterdal, L., Stefánsdóttir, H. M., Gundersen, P., & Sigurdsson, B. D. (2014). Soil Carbon Stock Change following Afforestation in Northern Europe: a Meta Analysis. *Global Change Biology*, 20(8), 2393-2405.
- Barnard, R., Leadley, P. W., & Hungate, B. A. (2005). Global Change, Nitrification, and Denitrification: a Review. *Global biogeochemical cycles*, 19(1), 1-13.
- Björnsne, A. (2018). *The Nitrogen Cycle in Soil – Climate Impact and Methodological Challenges in Natural Ecosystems*. Thesis. Tidak Dipublikasikan. Department of Earth Sciences, University of Gothenburg, Sweden.
- Buraka, T., Elias, E., & Lelago, A. (2022). Soil Organic Carbon and Its' Stock Potential in Different Land-Use Types along Slope Position in Coka Watershed, Southern Ethiopia. *Heliyon*, 8(8), 1-7.



- Chintu, R., Zaharah, A. R., & Wan Rasidah, A. K. (2004). Decomposition and Nitrogen Release Patterns of *Paraserianthes falcataria* Tree Residues under Controlled Incubation. *Agroforestry Systems*, 63(1), 45-52.
- Crowther, T. W., Todd-Brown, K. E., Rowe, C. W., Wieder, W. R., Carey, J. C., Machmuller, M. B., dkk. & Bradford, M. A. (2016). Quantifying Global Soil Carbon Losses in Response to Warming. *Nature*, 540(7631), 104-108.
- Deng, L., Wang, G. L., Liu, G. B., & Shangguan, Z. P. (2016). Effects of Age and Land-Use Changes on Soil Carbon and Nitrogen Sequestrations following Cropland Abandonment on The Loess Plateau, China. *Ecological engineering*, 90(1), 105-112.
- Devianti, O. K. A., & Tjahjaningrum, I. T. D. (2017). Studi Laju Dekomposisi Seresah pada Hutan Pinus di Kawasan Wisata Taman Safari Indonesia II Jawa Timur. *Jurnal Sains dan Seni ITS*, 6(2), 105-109.
- Fauzi, A. (2008). *Analisis Kandungan Unsur Hara Karbon Organik dan Nitrogen di dalam Tanah Perkebunan Kelapa Sawit Bengkalis Riau*. Program Studi Diploma III Kimia Analisis Departemen Kimia, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Sumatera Utara, Medan.
- Fujii, K., Uemura, M., Hayakawa, C., Funakawa, S., Sukartiningsih, Kosaki, T., & Ohta, S. (2009). Fluxes of Dissolved Organic Carbon in Two Tropical Forest Ecosystems of East Kalimantan, Indonesia. *Geoderma*, 152(1-2), 127–136.
- Ghafar, M., Kartina, N., Mulyadi, M., Hidayat, M., & Kurniawati, K. (2019). Kandungan Karbon Tanah di Kawasan Hutan Sekunder Pegunungan Deudap Pulo Aceh Kabupaten Aceh Besar. Biology Education Study Program Faculty of Tarbiyah and Teacher Training Ar-Raniry State. *Prosiding Seminar Nasional Biotik*, 6(1), 274-280. Islamic University Banda Aceh, Indonesia.
- Ghimire, P., Bhatta, B., Pokhrel, B., Kafle, G., & Paudel, P. (2018). Soil Organic Carbon Stocks under Different Land Uses in Chure region of Makawanpur District, Nepal. *SAARC Journal of Agriculture*, 16(2), 13-23.
- Guan, F., Tang, X., Fan, S., Zhao, J., & Peng, C. (2015). Changes in Soil Carbon and Nitrogen Stocks followed The Conversion from Secondary Forest to Chinese Fir and Moso Bamboo Plantations. *Catena*, 133(1), 455-460.



Handayani, D. A., & Suryadarma, I. G. P. (2022). Pengaruh Tegakan Sengon (*Paraserianthes falcataria* L.) terhadap Kandungan C, N Tanah dan Produktivitas Buah Perkebunan Salak. *Jurnal Ilmu Kehutanan*, 16(1), 30-39.

Hardjowigeno, S. (2003). *Klasifikasi Tanah dan Pedogenesis*. Jakarta: Akademika Pressindo.

Heruwanto, K., & Supriono, B. (2016). Simpanan Unsur Hara Makro (N, P, K, Ca dan Mg) pada Tegakan Sengon (*Paraserianthes falcataria* (L.)) Umur 5 Tahun. *Jurnal Nusa Silva*, 16(1), 41-49.

Husnain, A. K., & Rochayati, S. (2016). Pengelolaan Hara dan Teknologi Pemupukan Mendukung Swasembada Pangan di Indonesia. *Jurnal Sumberdaya Lahan*, 10(1), 25-36.

Ihori, T., Burke, I. C., Lauenroth, W. K., & Coffin, D. P. (1995). Effects of Cultivation and Abandonment on Soil Organic Matter in Northeastern Colorado. *Soil Science Society of America Journal*, 59(4), 1112-1119.

Islam, N., Hossen, S., & Baten, A. (2016). Soil Carbon and Nitrogen Dynamics in Agricultural Soils of Mymensingh, Bangladesh. *International Journal of Agricultural and Biosystems Engineering*, 1(1), 1-8.

Johnson, J. A., Runge, C. F., Senauer, B., Foley, J., & Polasky, S. (2014). Global Agriculture and Carbon Trade-offs. Stephen Polasky. *Proceedings of the National Academy of Sciences*, 111(34), 12342-12347. University of Minnesota, USA.

Khalif, U. (2018). Pengaruh Penanaman Sengon (*Paraserianthes falcataria*) terhadap Kandungan C dan N Tanah di Desa Resapombo, Doko, Blitar. *VIABEL: Jurnal Ilmiah Ilmu-Ilmu Pertanian*, 12(1), 49-59.

Khalif, U., Utami, S. R., & Kusuma, Z. (2014). Pengaruh Penanaman Sengon (*Paraserianthes falcataria*) terhadap Kandungan C dan N Tanah di Desa Slamparejo, Jabung, Malang. *Jurnal Tanah dan Sumberdaya Lahan*, 1(1), 9-15.

Kincses, I., Filep, T., Nagy, P., & Kovács, A. B. (2007). Water Soluble Nitrogen Forms on Two Different Soils as Affected by Biofertilization. *Cereal research communications*, 35(1), 597-600.

Kumar, B. M. & Nair, P. K. R., 2011. *Carbon Sequestration Potential of Agroforestry Systems: Opportunities and Challenges*. Netherlands: Springer.

Lamb, John, A., Fernandez, Fabian, G., & Kaiser, Daniel, E. (2014). *Understanding Nitrogen in Soils*. USA: University of Minessota.



Liu, S., Qin, T., Dong, B., Shi, X., Lv, Z., & Zhang, G. (2021). The Influence of Climate, Soil Properties and Vegetation on Soil Nitrogen in Sloping Farmland. *Sustainability*, 13(3), 1-14.

Livesley, S. J., Ossola, A., Threlfall, C. G., Hahs, A. K., & Williams, N. S. G. (2016). Soil Carbon and Carbon/Nitrogen Ratio Change under Tree Canopy, Tall Grass, and Turf Grass Areas of Urban Green Space. *Journal of environmental quality*, 45(1), 215-223.

Munandar, K. (2022). *Fiksasi Nitrogen oleh Mikroorganisme*. Jember: UM Jember Press.

Munawar, A. (2011). *Kesuburan Tanah dan Nutrisi Tanaman*. Bogor: IPB Press.

Nair, P. R. (1993). *An Introduction to Agroforestry*. New York: Springer Science & Business Media.

Olorunfemi, I. E., Fasinmirin, J. T., Olufayo, A. A., & Komolafe, A. A. (2020). Total Carbon and Nitrogen Stocks under Different Land Use/Land Cover Types in The Southwestern Region of Nigeria. *Geoderma Regional*, 22(1), 1-12.

Purba, T., Situmeang, R., Mahyati, H. F. R., Arsi, Firgiyanto, R., Saadah, A. S. J. T. T., Herawati, J. J., & Suhastyo, A. A. (2021). *Pupuk dan Teknologi Pemupukan*. Medan: Yayasan Kita Menulis.

Purnomo, E. A., Sutrisno, E., & Sumiyati, S. (2017). Pengaruh Variasi C/N Rasio terhadap Produksi Kompos dan Kandungan Kalium (K), Fosfat (P) dari Batang Pisang dengan Kombinasi Kotoran Sapi dalam Sistem Vermicomposting. *Doctoral Dissertation*. Tidak Dipublikasikan. Diponegoro University, Semarang.

Putra, M. P., Edwin, M., & Charlie, C. (2016). Analisis Kandungan Karbon Tanah Organik di Taman Botani Bukit Pelangi, Sangatta Kabupaten Kutai Timur. *Jurnal Pertanian Terpadu*, 4(1), 1-10.

Rachmadiyanto, A. N., Wanda, I. F., Rinadio, D. S., & Magandhi, M. (2020). Evaluasi Kesuburan Tanah pada Berbagai Tutupan Lahan di Kebun Raya Bogor. *Buletin Kebun Raya*, 23(2), 114-125.

Robertson, G. P. (1997). Nitrogen Use Efficiency in Row-Crop Agriculture: Crop Nitrogen Use and Soil Nitrogen Loss. *Ecology in agriculture*, 3(1), 347-365.

Robertson, G. P. & P. M. Groffman. (2015). *Nitrogen Transformations*. Fourth edition. Massachusetts: Academic Press Burlington.

Salam, A. K. (2020). *Ilmu Tanah*. Bandar Lampung: Global Madani Press.



- Savaci, G., & Sariyildiz, T. (2020). Determination of Changes in Soil Organic Carbon and Total Nitrogen Stocks under Different Stand Age of Kazdağı Fir (*Abies nordmanniana* subsp. *equi-trojani* (Steven) Spach). *Bartin Orman Fakültesi Dergisi*, 22(2), 532-543.
- Schwab, G. J. & Murdock, L. W. (2005). *Nitrogen Transformation, Inhibitor and Controlled Re-lease Urea*. Lexington, University of Kentucky College of Agriculture.
- Seo, Y., & Kook Woo, D. K. (2019). Effects of Elevated Temperature and Abnormal Precipitation on Soil Carbon and Nitrogen Dynamics in a *Pinus densiflora* Forest. *Frontiers in Forests and Global Change*, 5(1), 1-15.
- Shahid, S. A., Taha, F. K., & Abdelfattah, M. (2013). *Developments in Soil Classification, Land Use Planning and Policy Implications*. New York: Springer.
- Soetriono & Suwandari, A. (2016). *Pengantar Ilmu Pertanian*. Malang: Intimedia.
- Sudomo, A., & Widiyanto, A. (2017). Produktifitas Seresah Sengon (*Paraserianthes falcataria*) dan Sumbangannya bagi Unsur Kimia Makro Tanah.Balai Penelitian dan Pengembangan Teknologi Agroforestry, Ciamis. *Prosiding Seminar Nasional Geografi UMS*.
- Sugirahayu, L., & Rusdiana, O. (2011). Perbandingan Simpanan Karbon pada Beberapa Penutupan Lahan di Kabupaten Paser, Kalimantan Timur berdasarkan Sifat Fisik dan Sifat Kimia Tanahnya. *Jurnal Silvikultur Tropika*, 2(3), 149-155.
- Sutanto, R. 2002 . *Penerapan Pertanian Organik:Permasyarakan dan Pengembangannya*. Yogyakarta, Kanisius.
- Tarigan, E. M., Lubis, K. S., & Hannum, H. (2019). Kajian Tekstur, C-Organik, dan pH Tanah Ultisol pada Beberapa Vegetasi di Desa Gunung Datas Kecamatan Raya Kahean (Studi Kasus: Lahan Agak Kritis di Wilayah Sub DAS Bah Sumbu). *Jurnal Online Agroteknologi*, 7(1), 230-238.
- Tellen, V. A., & Yerima, B. P. (2018). Effects of Land Use Change on Soil Physicochemical Properties in Selected Areas in The North West Region of Cameroon. *Environmental systems research*, 7(1), 1-29.
- Widodo, D., Kristianto, S., Susilawaty, A., Armus, R., Sari, M., Chaerul, M., Ahmad, S. N., Damanik, D.m Sitorus, E., Marzuki, I., Mohamad, E., Junaedi, A. S., & Mastutie, F. (2021). *Ekologi dan Ilmu Lingkungan*. Medan: Yayasan Kita Menulis



Windham, L. (2001). Comparison of Biomass Production and Decomposition Between *Phragmites australis* (Common Reed) and *Spartina patens* (Salt Hay Grass) in Brackish Tidal Marshes of New Jersey, USA. *Wetlands*, 21(2), 179-188.

Yuliani, S. S., Useng, D., & Achmad, M. (2017). Analisis Kandungan Nitrogen Tanah Sawah Menggunakan Spektrometer. *Jurnal Agritechno*, 10(2), 188-202.

Yulianti, N., Saleilei, A. A., Salampak, S., Adji, F. F., Damanik, Z., & Giyanto, G. (2022). Studi Kandungan C-Organik, Kadar Abu, dan Bobot Isi Gambut Pedalaman di Kawasan Hutan dengan Tujuan Khusus (KHDTK) Tumbang Nusa, Kalimantan Tengah. *Jurnal Ilmu Lingkungan*, 16(1), 58-65.

Zhang, X. Y., Li, Q. W., Gao, J. Q., Hu, Y. H., Song, M. H., & Yue, Y. (2020). Effects of Rainfall Amount and Frequency on Soil Nitrogen Mineralization in Zoigê Alpine Wetland. *European Journal of Soil Biology*, 97(1), 1-7.

Zhou, X., Li, J., Zhao, Y., Jiang, S., Liu, H., & Wang, X. (2022). Effect of Time since Afforestation on Soil Organic Carbon Stock and Turnover Rate. *Sustainability*, 14(16), 1-14.