

DAFTAR PUSTAKA

- Alhaddad, A. 2016. Perubahan Unsur Hara Nitrogen (N) dan Fosfor (P) Tanah Gambut di Lahan Gambut Yang Dipengaruhi Lama Pengolahan Lahan. *Jurnal Pedon Tropika Edisi 1 (1) : 1-9.*
- Anonim. 2017. Fenomena Hasil Analisis Nitrogen Di Lahan Gambut. <http://balittra.litbang.pertanian.go.id/index.php/publikasi/prakiraan-iklim/2072-fenomena-hasil-analisis-nitrogen-di-lahan-gambut>. Diakses pada tanggal 15 November 2017.
- Assefa, D., B.Rewald, H.Sanden, C.Rosinger, A.Abiyu, B.Yitaferu, and D.L.Godbold. 2017. Deforestation and land use strongly effect soil organic carbon and nitrogen stock in Northwest Ethiopia. *Catena* 153 : 89-99.
- Ballitan. 2005. Petunjuk Teknis : Analisis Kimia Tanah, Tanaman, Air dan Pupuk. Balai Penelitian Tanah, Bogor.
- Ballitan. 2009. Petunjuk Teknis Edisi 2 : Analisis Kimia Tanah, Tanaman, Air dan Pupuk. Balai Penelitian Tanah, Bogor.
- Eyheraguibel, B., J. Silvestre, and P. Morard. 2007. Effects of humic substance derived from organic waste enhancement on the growth and mineral nutrition of maize. Elsevier. *Bio resource Technology* 99 (2008): 4206-4212.
- Feng, Y., J.Wang, K.Yuan, W.Zong, and D.Guo. 2018. Vegetation affects pool size and composition of amino acids in Tibetan alpine meadow soils. *Geoderma* 310 : 44-52.
- Fukumasu, J., and L.J.Shaw. 2017. The role of macro-aggregation in regulating enzymatic depolymerization of soil organic nitrogen. *Soil Biology & Biochemistry* 115 : 100-108.
- Hairiah, K, dan Handayanto E. 2007. Biologi Tanah Landasan Pengelolaan Tanah Sehat. Adipura. Yogyakarta.
- He, H., W.Zhang, X.Zhang, H.Xie, and J.Zhuang. 2011. Temporal responses of soil microorganisms to substrate addition as indicated by amino sugar differentiation. *Soil Biology and Biochemistry* 43 : 1155 – 1161.
- Helfrich, M., B.Ludwig, P.Buurman, and H.Flessa, 2006. Effect of Land Use on The Composition of soil organic matter in density and Agegate fractions as revealed by solid-state ¹³C NMR Spectroscopy. *Geoderma* 136 : 331-341.
- Hu, S., D. O Coleman, P.F. Hendrix, and M.H. Beare. 1995. Biotic manipulation effect on soil carbohydrate ang microbial biomass in cultivated soil. *Soil Biol. Biochem.* 27 (9) : 1127-1135
- Jacobs, S.R., L.Breuer, K.Butterbach-Bahl, D.E.Pelster, and M.C.Rufino. 2017. Land use affects total dissolved nitrogen and nitrate concentrations in tropical montane streams in Kenya. *Science of the Total Environment* 603–604 : 519–532.

- Kieloaho, A., M.Pihlatie, M.D.Carrasco, S.Kanerva, J.Parshintsev, M.Riekkola, J.Pumpanen, and J.Heinonsalo. 2016. Stimulation of soil organic nitrogen pool: The effect of plant and soil organic matter degading enzymes. *Soil Biology & Biochemistry* 96 : 97-106.
- Li, Sheng-xiu, Wang, Zhao-hui, Miao, Yan-fang, and Li, Shi-qing. 2014. Soil Organic Nitrogen and Its Contribution to Crop Production. *Journal of Inegatif Agriculture* 13 (10) : 2061-2080.
- Li, Z., C.Liu, Y.Dong, X.Chang, X.Nie, L.Liu, H.Xiao, Y.Lu, and G.Zeng. 2017. Response of soil organic carbon and nitrogen stocks to soil erosion and land use types in the Loess hilly–gully region of China. *Soil & Tillage Research* 166 : 1–9.
- Liu, H., X.Wu, Q.Wang, S.Wang, D.Liu, and G.Liu. 2017. Responses of soil ammonia oxidation and ammonia-oxidizing communities to land-use conversion and fertilization in an acidic red soil of southern China. *European Journal of Soil Biology* 80 : 110 – 120.
- Maas, A., S.Kabirun, dan S.N.H.Utami. 2000. Laju dekomposisi gambut dan dampaknya pada status hara pada berbagai tingkat pelindian. *Jurnal Ilmu Tanah dan Lingkungan* 2 (1) : 23-32.
- Mayes, M., E.Marin-Spiotta, L.Szymanski, M.A.Erdogan, M.Ozdogan, and M.Clayton. 2014. Soil type mediates effects of land use on soil carbon and nitrogen in the Konya Basin, Turkey. *Geoderma* 232–234 : 517–527.
- Mayhew, L. 2004. Humic substance in biological agriculture. *Across*. Vol. 34
- Najiyati, S., A. Asmana, dan A.N.N. Suryadiputra. 2005. Pemberdayaan Masyarakat di Lahan Gambut. *Wetlands International – Indonesia Programme*, Bogor.
- Radjagukguk, B. 2000. Perubahan sifat-sifat fisik dan kimia tanah gambut akibat reklamasi lahan gambut untuk pertanian. *Jurnal Ilmu Tanah dan Lingkungan* 2(1) : 1-15.
- Rosmarkam, A. dan N. W. Yuwono. 2002. *Ilmu Kesuburan Tanah*. Kanisius, Yogyakarta.
- Sattolo, T.M.S., E.Mariano, B.N.Boschiero, and R.Otto. 2017. Soil carbon and nitrogen dynamics as affected by land use change and successive nitrogen fertilization of sugarcane. *Agriculture, Ecosystems and Environment* 247 : 63–74.
- Spence, A. 2017. Degadation of microbial proteins Molecular-scale understanding of the forms and dynamics of organic nitrogen in soils. *Chemical Data Collections* 11-12 : 108-118.
- Stevenson, F.J. 1994. *Humus chemistry: Genesis, composition, and reaction*. 2nd ed. John Wiley and Sons, Inc., New York. Xiii + 496 p.

- Syharudin, R. Azani, A. Hidayat, dan R. Restia. 2017. Desa Peduli Gambut. Badan Restorasi Gambut.
- Tan, Kim H. 2011. Principles Of Soil Chemistry. New York. CRC Press.
- Tim Penyusun. 2011. Ragam Inovasi Pendukung Pertanian Daerah. Ago Inovasi. Badan Penelitian dan Pengembangan Pertanian. Jakarta.
- Tonks, A.J., P.Aplin, D.J.Beriro, H.Cooper, S.Evers, C.H.Vane, and S.Sjogersten. 2017. Impacts of conversion of tropical peat swamp forest to oil palm plantation on peat organic chemistry, physical properties and carbon stocks. *Geoderma* 289 : 36–45.
- Wahyunto, S. Ritung, Suparto, H. Subagjo. 2005. Sebaran Gambut dan Kandungan Karbon di Sumatera dan Kalimantan. Wetlands International - Indonesia Programme, Bogor.
- Wander, L.E., S.J. Traina, B.R.Stinner and S.E. Peters. 1994. Organic and conventional management effect on biologically active soil organic matter pools. *Soil Sci.Soc.Am. J.* 58:1130-1139.
- Wander, M.M., M.G. Bidart and S. Arief. 1998. Tillage impacts on depth distribution of total and particulate organic matter in three Illinois Soils. *Soil Sci. Soc.Am. J.*62:1704-1711.
- Wang, Q., Q.Liu, Z.C.Wang, H.P.Liu, J.R.Bai, and J.B.Ye. 2017. Characterization of organic nitrogen and sulfur in the oil shale kerogens. *Fuel Processing Technology* 160 : 170 – 177.
- Wang, S., Q.Zhuang, Q.Wang, X.Jin, and C.Han. 2017. Mapping stocks of soil organic carbon and soil total nitrogen in Liaoning Province of China. *Geoderma* 305 : 250–263.
- Wang, T., F.Kang, X.Cheng, H.Han, and W.Ji. 2016. Soil organic carbon and total nitrogen stocks under different land uses in a hilly ecological restoration area of North China. *Soil & Tillage Research* 163 : 176–184.
- Wu, X., L.Zhao, G.Hu, G.Liu, W.Li, and Y.Ding. 2018. Permafrost and land cover as controlling factors for light fraction organic matter on the southern Qinghai-Tibetan plateau. *Science of The Total Environment* 613,614 : 1165-1174.
- Xue, Z., M.Cheng, and S.An. 2013. Soil nitrogen distributions for different land uses and landscape positions in a small watershed on Loess Plateau, China. *Ecological Engineering* 60 : 204-213.
- Yamaguchi, Y.T. and M.D.McCarthy. 2018. Sources and transformation of dissolved and particulate organic nitrogen in the North Pacific Subtropical Gyre indicated by compound-specific $d^{15}N$ analysis of amino acids. *Geochimica et Cosmochimica Acta* 220 : 329 – 347.

Yan, D., D.Wang, and L.Yang. 2007. Long-term effect of chemical fertilizer, straw, and manure on labile organic matter fractions in a paddy soil. *Biol Fertil Soils* 44 : 93 – 101.