

DAFTAR PUSTAKA

- Arifin, F. 2006. Pengaruh Jarak Tanam Pada Empat Varietas Jagung (*Zea mays Indurata*) Sistem Tanpa Olah Tanah. Skripsi. Fakultas Pertanian Universitas Brawijaya. Malang.
- Bakrie, A.H. 2008. Respon Tanaman Jagung Manis (*Zea mays saccharata*) Varietas Super Sweet Terhadap Penggunaan Mulsa Dan Pemberian Kalium. Skripsi. Fakultas Pertanian. Universitas Sumatera Utara. Medan.
- Bambang Sapto A. 2012. Si HitamBiochar yang Multiguna. PT. Perkebunan Nusantara X (Persero), Surabaya.
- Blackwell, P., Reithmuller, G. and Collins, M. 2008. Biochar application to soil. In Biochar for environmental management: science and technology (pp. 1-29). Earthscan. London.
- Chan, K.Y., van Zwieten, B.L., Meszaros, I., Downie, D. and Joseph, S. 2007. Agronomic values of greenwaste biochars as a soil amendments. Aust J. of Soil Res. 45: 629-634
- Demirbas, A. 2004. Effects of temperature and particle size on biochar yield from pyrolysis of agricultural residues. J. of Anal. and App. Pyrolysis 72 (2): 243-248
- Gaskin, J.W., Steiner, C., Harris, K., Das, K.C. and Bibens, B. 2008. Effect of low-temperature pyrolysis conditions on biochar for agricultural use. Trans. ASABE 51: 2061–2069
- Glaser, B., J. Lehmann, and W. Zech. 2002. Ameliorating physical and chemical properties of highly weathered soils in the tropics with charcoal a review. Biology and Fertility of Soils 35 (2): 219-230
- Lee, C. 2007. Corn Growth and Development. Available at www.uky.edu/ag/grain_crops. Diakses pada tanggal 05 Maret 2014
- Lehmann, J. 2007. A handful of carbon. Nature 447: 143-144
- Lehmann, J., J. P. da Silva Jr., C. Steiner, T. Nehls, W. Zech, and B. Glaser. 2003. Nutrient availability and leaching in an archaeological Anthrosol and a Ferrasol of the Central Amazon basin: fertilizer, manure and charcoal amendments. Plant and Soil 249: 343-357
- Lehmann, J. and M. Randon. 2006. Biochar soil management on highly weathered soils in the humid tropics. In: Uphoff N (Ed). Biological approaches to sustainable soil systems. International Center for Tropical Agriculture. p. 518-524. Columbia
- Lehmann, J. and S. Joseph. 2009. Biochar for environmental management. Earthscan: 127-143. United Kingdom
- Lingga, P. dan Marsono. 2002. Petunjuk penggunaan pupuk. Penebar Swadaya. Jakarta. p.9-10
- Masulili, A., W.H. Utomo, and M.S. Syekhfani. 2010. Rice Husk Biochar for Rice Based Cropping System in Acid Soil 1. The Characteristics of Rice Husk



Biochar and Its Influence on the Properties of Acid Sulfate Soils and Rice Growth in West Kalimantan, Indonesia. Journal of Agriculture Science. 2 (1): 39-43

- Milne, E., D. S. Polwson, and C. E. Cerri. 2007. Soil carbon stocks at regional scales (preface). Agric, Ecosys and Environ 122: 1-2
- Novizan. 2002. Petunjuk pemupukan yang efektif. PT. Agro Media. Jakarta p.34-41
- Novriani, 2010. Alternatif Pengelolaan Unsur Hara P (Fosfor) Pada Budidaya Jagung. Agronobis. 2 (3): 42-49
- Nurida, N. L. 2008. Kualitas limbah pertanian sebagai bahan baku pembenah berupa biochar untuk rehabilitasi lahan. Prosiding Seminar Nasional dan dialog Sumberdaya Lahan Pertanian. Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian. p.209-215. Bogor.
- Nurida, N. L. 2009. Efisiensi formula pembenah tanah biochar dalam berbagai bentuk (serbuk, granular dan pelet) dalam meningkatkan kualitas lahan kering masam terdegradasi. Balai Penelitian Tanah. p.4-7. Bogor.
- O'zeimen dan Karaosmanoglu. 2004. Production and characterization of bio-oil and biochar from rapessed cake. Renewable Energy. 29:779-787
- Robertson, P.A.W., C.O. Dowd, C. Burrells, P. Williams & B. Austin. 2000. Use of *Carnobacterium* sp. as a probiotic for Atlantic salmon (*Salmo salar* L.) and rainbow trout (*Oncorhynchus mykiss*, Walbaum). Aquaculture 185:235-243
- Sitompul, S.M. dan B. Guritno. 1995. Analisis Pertumbuhan Tanaman. Universitas Gajah Mada Press. Yogyakarta.
- Steiner, C., Teixeira, W., Lehmann, J. and Zech, W. 2003. Microbial response to charcoal amendments of highly weathered soils and Amazonian Dark Earths in Central Amazonia. Dordrecht: Kluwer Academic Publishers.: 196-211
- Steiner, C., W. Teixeira, J. Lehmann, N. Thomas., Winfried E.H. Blum, and W. Zech. 2007. Long Term Effects of Manure, Charcoal and Mineral Fertilization On Crop Production and Fertility On A Highly Weathered Central Amazonian Upland Soil. Springer Publishers:1-16
- Subekti, N. A. Syafruddin, R. Efendi, S. Sunarti. 2002. Morfologi Tanaman dan Fase Pertumbuhan Jagung. Berita Puslitbang: 16 - 27
- Sukartono, W.H. Utomo, Z. Kusuma, And W.H. Nugroho. 2011. Soil fertility status and maize (*Zea mays*) yield after biochar application on sandy soils of North Lombok, Indonesia. J. of Trop. Agric. 49: 47-53
- Sutejo, M.M. 2002. Pupuk dan cara pemupukan. PT. Rineka Cipta. Jakarta p.177.
- Syafrudin, Faesal, dan M. Akil. 2010. Pengelolaan Hara pada Tanaman Jagung. <http://www.nesmd.com/shtml/17163.shtml>. Diakses tanggal 05 Maret 2014.



- Warnock, D.D., J. Lehmann, T.W. Kuyper, and M.C. Rillig. 2007. Mycorrhizal responses to biochar in soil – concepts and mechanisms. *Plant and Soil* 300: 9-20.
- Widowati, 2010. Produksi dan Aplikasi Biochar / Arang dalam Mempengaruhi Tanah dan Tanaman. Disertasi. Fakultas Pertanian Universitas Brawijaya. Malang.



UNIVERSITAS BRAWIJAYA