PUSTAKA ACUAN

BPPP [Badan Penelitian dan Pengembangan Pertanian]. 2012. Pengelolaan Lahan Kering Masam. Kebun Percobaan Taman Bogo. Lampung Timur.

Duku, M.H., S. Gu, and E.B. Hagan. 2011. Biochar Production Potential in Ghana A-review. *Renewable and Sustainable Energy Riviews*. 15: 3539-3551.

Dou, L., M. Komatsuzaki, dan M. Nakagawa. 2012. Effects of Biochar, Mokusakueki and Bokashi Application on Soil Nutrients, Yields and Qualities of Sweet Potato. *J. Agriculture Science and Soil Science*. 2: 318-327.

Fahrudin, F. 2009. Budidaya Caisim (*Brassica juncea* L.) Menggunakan Ekstrak Teh dan Pupuk Kascing. Skripsi. Universitas Sebelas Maret. Surakarta. 31 hlm.

Fajrin, C. 2012. Pengaruh Pengekstrak Kompos Kepala Udang dan Konsentrasi Ekstrak Terhadap Pertumbuhan dan Produksi Tanaman Caisim (*Brassica rapa* L.). Skripsi. Universitas Lampung. Bandar Lampung. 55 hlm.

Ferizal, M. 2011. Arang Hayati (Biochar) sebagai Bahan Pembenah Tanah. Balai Pengkajian Teknologi Pertanian Aceh. Edisi Khusus Penas XIII. 2 hlm.

Gani, A. 2009. Biochar Penyelamat Lingkungan. Balai Besar Penelitian Tanaman Padi. *Warta Penelitian dan Pengembangan Pertanian*. 31: 15-16.

Gani, A. 2010. Multiguna Arang - Hayati Biochar. Balai Besar Penelitian Tanaman Padi. Sinar Tani. Edisi 13-19: 1-4.

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: 219-230.

Graber, E.R., Y.M. Harel, M. Kolton, E. Crtryn, A. Silber, D.R. David, L. Tsechansky, M. Borenshtein, and Y. Elad, 2010. Biochar Impact on Developmenr and Productivity of Pepper and Tomato grown in Fertigated Soilless Media. *Plant Soil* 337: 481-496.

Hardjowigeno, S. 2007. Ilmu Tanah. Akademik Pressindo. Jakarta. 288 hlm.

Hunt, J., M. Duponte, D. Sato, and A. Kawabata, 2010. The Basics of Biochar : A Natural Soil Amandment. Soil and Crop Management. Colengge of Tropical Agriculture and Human Resources. University of Hawai'I at Manao. 1-6.

Lehmann, J., J.P. Silva Jr., C. Steiner, T. Nehls, W. Zech and B. Glaser. 2003. Nutrient Availability and Leaching in an Archaeological Anthrosol and a Ferralsol of the Central Amazon Basin: Fertilizer, Manure and Charcoal Amendments. *Plant and Soil* 249: 343–357.

Lehmann, J. and M. Rondon. 2006. Bio-char Soil Management on Highly-Weathered Soils in The Humid Tropics. *In:* N. Uphoff (ed.), *Biological Approaches to Sustainable Soil Systems*, Boca Raton, CRC Press. Taylor and Francis Group. p. 517–530.

Lehmann, J. 2007. Bioenergy in The Black. *Frontiers in Ecology and the Environment* 5: 381-387.

Lehmann, J. and S. Joseph. 2009. Biochar for Environmental Management: Science and Technology. Earthscan-UK. pp. 71-78.

Liang, B., J. Lehmann, D. Solomon, S. Sohi, J.E. Thies, J.O. Skjemstad, F.J. Luizao, M.H. Engelhard, E.G. Neves, and S. Wirick. 2008. Stability of Biomassderived Black Carbon in Soils. *Geochimica et Cosmochimica Acta* 72: 6096-6078.

Mahanani, C.R.L 2003. Pengaruh Media Tanam dan Pupuk NPK terhadap Produki Tanaman Pak-choi (*Brassica chinensis*) Varietas Green Pak-choi. Fakultas Pertanian Jurusan Budidaya Pertanian. Institut Pertanian Bogor.

Margiyanto, E. 2008. Budidaya Tanaman Sawi. http://zuldesains.wordpress.com. Diakses tanggal 26 April 2012.

McClellan, T., J. Deenik, G. Uehara, and M. Antal. 2007. Effects of Flashed Carbonized Macadamia Nutshell Charcoal on Plant Growth and Soil Chemical Properties. ASA-CSSA-SSA International Annual Meetings, New Orleans, Louisiana. http://ac- s.confex.com/crops/2007am/ techprogram/P35834. HTM.

McLaughlin, H., P.S. Anderson, F.E. Shields, dan T.B. Reed. 2009. All Biochars are not Created Equal, and How to Tell Them Apart. Proceedings, North American Biochar Conference, Boulder, Colorado, August 2009. www.biochar-international.org/sites/default/files/All-Biochars--Version2--Oct2009.pdf. 1-36.

Nabihaty, F. 2010. Pemanfaatan Limbah Pertanian Untuk Membuat Biochar. http://smarttien.blogspot.com/2010/11/pemanfaatan-limbah-pertanian-untuk.html. Diakses tanggal 5 April 2012.

Nurida, N.L. 2012. *Biochar* SP 50. Balai Penelitian Tanah. Badan Peneliti dan Pengembangan Pertanian. Kampus Peneliti Pertanian. Cimanggu.

Nurida, N.L., A. Dariah, dan A. Rachman. 2012. Kualitas Limbah Pertanian sebagai Bahan Baku Pembenah Tanah berupa *Biochar* untuk Rehabilitasi Lahan. Balai Penelitian Tanah. Bogor. 211-218.

Nurlenawati, N., Y. Mahmud, E.D. dan Feriyani. 2012. Respon Pertumbuhan dan Hasil Tanaman Caisim Terhadap Kombinasi Dosis Pupuk Nitrogen dan Pupuk organik Granular. LPMP UNSIKA. Karawang. http://lppmunsika.wordpress.com/solusi-vol-7-no-12/respon-pertumbuhan-dan-hasil-tanaman-caisim-brassica-juncea-l-terhadap-kombinasi-dosis-pupuk-nitrogen-dan-pupuk-organik-granular/. Diakses tanggal 16 Oktober 2012.

Prasetyo, B.H., D. Subardja, dan B. Kaslan. 2005. Ultisols dari Bahan Volkan Andesitic di Lereng Bawah G. Ungaran. *J. Tanah dan Iklim* 23: 1−12.

Prasetyo, B.H. dan D.A. Suriadikarta. 2006. Karakteristik, Potensi, dan Teknologi Pengelolaan Tanah Ultisol untuk Pengembangan Pertanian Lahan Kering di Indonesia. *J. Litbang Pertanian* 25: 1-9.

Rondon, M.A., J. Lehmann, J. Ramirez, dan M. Hurtado, 2007. Biological Nitrogen Fixation by Common Beans (*Phaseolus vulgaris* L.) Increases with Bio-char additions. *Biology and Fertility Soils* 43: 699-708.

Rosmarkam, A. dan N.W. Yuwono. 2002. Ilmu Kesuburan Tanah. Kanisius. Yogyakarta. 224 hlm.

Rukmana, R. 1994. Bertanam Petsai dan Sawi. Kanisius. Yogyakarta. 61 hlm.

Salam, A.K. 2012. Ilmu Tanah Fundamental. Global Madani Press. Bandar Lampung. 362 hlm.

Sitompul, S.M. dan B. Guritno. 1995. Analisis Pertumbuhan Tanaman. Gadjah Mada University Press. Yogyakarta.

Steinbess, S.,G. Gleixner, and M. Antonietti. 2009. Effect of Biochar Amendment on Soil Carbon Balance and Soil Microbial Activity. *Soil Biology and Biochemistry* 41: 1301-1310.

Steiner, C. Teixeira W., Lehmann J., Nehls T., de Macêdo J., Blum W., Zech W., 2007. Long Term Effects of Manure, Charcoal and Mineral Fertilization on

Crop Production and Fertility on a Highly Weathered Central Amazonian Upland Soil. *Plant and Soil* 291: 275–290.

Suriadi, A. dan M. Nazam. 2005. Penilaian Kualitas Tanah Berdasarkan Kandungan Bahan Organik (Kasus Di Kabupaten BIMA). Balai Pengkajian Teknologi Pertanian. Nusa Tenggara Barat.

Widowati. 2010. Produksi dan Aplikasi Biochar/Arang dalam Mempengaruhi Tanah dan Tanaman. Disertasi. Universitas Brawijaya. Malang. 1-19.

Widowati, W. H. Utomo, B. Guritno, dan L. A. Soehono. 2012. The Effect of Biochar on the Growth and N Fertilizer Requirement of Maize (*Zea mays* L.) in Green House Experiment. *J. Agricultural Science* 4: 255-258.