

DAFTAR PUSTAKA

- Ajie, D., Galuh, K.W., Eka, P., Arifuddin, Y.W., Rima,O., Tukul Jengkol (Tumbukan kulit Jengkol) untuk Tingkatkan Produktivitas Padi Organik. *Laporan Akhir Program Kreativitas Mahasiswa*, IPB, Bogor, 2014.
- Anita,Y. Penentuan Kandungan Unsur Hara Makro (N,P,K) di dalam Kompos yang dibuat Dari Sampah Perkarangan dan Pengaruhnya terhadap Pertumbuhan Tanaman Tomat (*Solanum Lycopersicum Mill*). *Skripsi*, Kimia, FMIPA UNAND, 2013.
- Aniszewki, T. Alkaloid Secrets of Life. Amsterdam: Elsevier. pp. 18. 2007.
- Annisava. A. R. Optimalisasi Pertumbuhan Dan Kandungan Vitamin C Kailan (*Brassica Alboglabra* L.) Menggunakan Bokashi Serta Ekstrak Tanaman Terfermentasi. *Jurnal Agroteknologi*. 2013,3(2):1-10.
- Boemeke. L; Marcadenti. A; Busnello., M.F; Gottschall., C.B. Effects of Coconut Oil on Human Health. *Scientific research Publishing*. 2015. 5, 84-87.
- Boadu, K. O., Tulashie, S. K., Anang, M. A., and Kpan, J.D., 2011, Production of Natural Insecticide from Neem Leaves (*Azadirachta indica*), Asian J. Plant Sci. Res.,1(4), 33-38.
- Chang, M. Y., dan Huang, W. J. Production of Silicon Carbide Liquid Fertilizer by Hydrothermal Carbonization Processes from Silicon Containing Agricultural Waste Biomass. *Engineering Journal*. 2016. 20 (4); 11-12.
- Cowan., M.M. Plant Product as Antimicrobial Agents. *Clinical Microbiology Reviews*. 1999. 12(4).
- Daly, M.J., dan D.P.C Stewart. Influence of effective microorganism (EM) on vegetative production and carbon mineralization- a preliminary investigation. *Journal Of Plant Sustainable Agriculture*.1999. 14: 15-25.
- Edeem, V.E; Elijah, A.I. Optimization of Coconut (*Cocos nucifera*) Milk Extraction Using Response Surface Methodology. *International Journal of Nutrition and Food Sciences*. 2016. 5(6): 384-394.
- Ghasemzadeh. A; Ghasemzadeh, N. Flavonoids and Phenolic Acids: Role and Biochemical Activity in Plants and Human. *Journal of Medicinal Plants Research*. 2011. 5(31), 6697-6703.
- Higa, T. What is EM Technology. *EM World journal*. 2002. 1: 1-6.
- Hussain,T., A.D. Anjum., dan J.Tahir. Technology of Beneficial Microorganism. *Nature Farming & Environment*. 2002. 3: 1-14.

Higa, T., dan Parr.J. F. Beneficial and Effective Microorganism for a Suistaneble Agriculture and Enviroment. *International Nature Farming Reseach Center*, Atami, Japan. 1994. 16.

38

Hillman, P.F. Isolasi dan Identifikasi Mikroalga Air Tawar Yang Berpotensi Sebagai Antibakteri Dari Talago Biru. *Tesis*. FMIPA. UNAND. 2017.

Horwitz, W. Official Method of Analysis of AOAC International Edition. Agricultural Chemical, Contaminants Drugs. AOAC international, Maryland, USA. 2000.

Iknur. Spectroscopic Determination of Major nutrients (N, P, K) of Soil. *Disertasi*, Food engineering, Izmir Institute of Technology, Turki. 2013.

Jamilah dan Juniarti. Test Of Liquid Organic Fertilizer Originated C. *Odorata* and Coconut Fiber with Various Composition by Length Fermentation. *Journal of Enviromental Research And Development*. 2014. 9: 1- 2.

Javaid, A. Foliar Application of Effective Microorganism on Pea as an Alternative Fertilizer. *Agronomy For Sustainable Development*. 2006: 257- 262.

Jiang, J., Tan, C.S. Biodiesel Production From Coconut Oil In Supercritical Methanol In The Presence Of Cosolvent. *Journal Of The Taiwan Institute Of Chemical Engineers*, Elsevier. 2012, 43, 102–107.

Johnly, R; Aritonang; Dan Ranti, F.P. Sintesis Metil Ester Asam Lemak Dari Minyak Kelapa Hasil Pemanasan. *Chem. Prog.* 2008. 1(1).

Kastalani. Pengaruh Tingkat Konsentrasi dan Lamanya Inkubasi EM-4 Terhadap Kualitas Organoleptik Pupuk Bokashi, Fakultas Peternakan Universitas Kristen Palangka Raya, *Jurnal Ilmu Hewani Tropika*, 2014, 3(2)

Khopkar, S.M. *Konsep Dasar Kimia Analitik*. Jakarta : UI Press. 2008. 207–213.

Leng, P; Zhang, Z; Guangtang, P Dan Zhao, M. Applications And Development Trends In Biopesticides. *African Journal of Biotechnology*. 2011.(86), 19864-19873.

Magomya, A.M; Kubmarawa. D; Ndahi, G.G. Determination Of Plant Proteins Via The Kjeldahl Method And Amino Acid Analysis: A Comparative Study. *International Journal Of Scientific & Technology Research*. 2014. 3(4).

Makiyah, M. Analisis Kadar N, P dan K pada Pupuk Cair Limbah Tahu dengan Penambahan Tanaman Matahari Meksiko (*Thitonia diversivolia*). *Skripsi*, Jurusan Kimia, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Semarang, 2013.

Min, L.T. Production Of Fertilizer Using Food Wastes Of Vegetables And Fruits. *Disertasi*. Faculty Of Resource Science And Technology. Sarawak. Universiti Malaysia. 2015.

Mihaljev, A.Z; Jaksic, S.M, Prica, B.N Zeljko N. Cupic, N.Z; Balos.M.Z. Comparison of the Kjeldahl method, Dumas method and NIR method for total nitrogen determination in meat and meat products. *Journal of Agroalimentary Processes and Technologies*. 2015, 21(4), 365-370.

Matsui, M; Meepol, W; Chukwamdee, J. Soil Organic Carbon In Mangrove Ecosystems With Different Vegetation And Sedimentological Conditions. *J. Mar. Sci. Eng.* 2015.(3)., 1404-1424.

Matsuura, Heliou; Netto, A.G. Plant Alkaloids: Main Features, Toxicity, and Mechanisms of Action. *Plant Toxins*. 2015. 1-15.

Monisha, J.N. Production And Comparison Of Solid – Liquid Fertilizer From Vegetable Waste. *Int. Journal Of Innovations In Engineering Research And Technology [Ijiert]*. 2016, 3(7).

Munfiah, S; Nurjazuli; Setiani, Q. Kualitas Lisk dan Kimia Air Sumur Gali dan Sumur Bor di Wilayah Kerja Puskesmas Guntur II Kabupaten Demak. 2013, 12(2).

Nazarni, R., Purnama, D.Umar, Eni H. The effect of Fermentation on Total Phenolic, Flavonoid, and Tanin Content and its Relation to Antibacterial Activity in jaruk tigarun (*Crataeva nurvala*, Buch HAM). *International Food Research Journal*. 2016, 23, (1), 309-315.

Neldawati.; Ratnawulan.; Gusnedi.: Analisis Nilai Absorbnasi Dalam Penentuan Kadar Flavonoid Total Untuk Berbagai Jenis Daun Tanaman Obat. *Pillar of Physics* 2013, 2, 76-83.

Ndomba, M.D.: Evaluation of soil fertility status and response of maize to different nutrients in selected soils of Tabora district. *Disertasi*, Sokoine University of Agriculture. Morogoro. 2013.

Ngampinol, H; Kunathigan, VI. The Study of Self Life for Liquid Vegetable Waste. *AU J.T*. 2008. 204-208. Biofertilizer from

Netpae, T. Utilization Of Waste From a Milk Cake Factory to Produce Liquid Organic Fertilizer For Plants. *Enviromental and Experimental*. 2012. 10: 9-13.

Novien, Alienda: Pengaruh beberapa jenis aktivator terhadap kecepatan proses pengomposan dan mutu kompos dari sampah pasar dan pengaruhnya terhadap pertumbuhan dan produksi tanaman cai sim (*Brassica Juncea L*) dan jagung semi(*Zea mays L*). *Skripsi*, Departemen Budidaya Pertanian, Fakultas Pertanian, Institut Pertanian Bogor, 2004.

Noguera da S. AJ., Alencar da Silva R., da Silva Santos J.,Silva de Medeiros JC, Gomes de Carvalho F., Nogueira da Silva V., Jales de Oliveira C., Cesar de Araujo A., Fernandes da Silva LES., Gomes Junior J. Soil Chemical Properties and Growth of Sunflower (*Helianthus annus L.*) as Affected by Application of Organic Fertilizer and Inoculation with arbuscular Mycorrhizal fungi. *R Braz Ci Solo*. 2015. 39: 151-161.

- Nuryamsi, D., O. Sopandi, D. Erfandi, Sholeh, dan I.P.G. Widjaja Adhi. Penggunaan bahan organik, pupuk P dan K untuk meningkatkan produktivitas tanah. Seminar Hasil Penelitian Tanah dan Agroklimat. 1995. 2: 47-52. PPT dan Agroklimat. Bogor.
- Otti,W. Review of Principles and Application of AAS, PIXE and XRF and Their Usefulness in Environmental Analysis of Heavy Metals. 2016. 9 (6), 15-17.
- Pancapalaga, Wehandaka. Pengaruh Rasio Penggunaan Limbah Ternak dan Hijaun Terhadap Kualitas Pupuk Cair. *Gamma*. 2011. 7 (1),61-68.
- Parr, J.F., Hornick, S.B., dan Papendick, R.I. Transition from Conventional Agriculture to Natural Farming System: The Role of Microbial Inoculants and Biofertilizer. 2002.
- Pradhan, S; Pokhrel, M.R. Spectrophotometric Determination of Phosphate in Sugarcane Juice, Fertilizer, Detergent and Water Sample by Molybdenum Blue Method. *Scientific World*. 2013. 11 (11).
- Pranesa, O.T. Analisis Unsur Hara Tanah N,P,K, C-Organik, dan pH Setelah Pemberian Ekstrak Tanaman Fermentasi (ETT) Limbah Kulit Jengkol (*Pithecellobium Jiringa* Prain) Terhadap Pertumbuhan dan Daya Tahan Tomat. *Skripsi*. Universitas Andalas, Padang. 2017.
- Purwanti, H. Influence of Raw Material Type and Duration on the Quality of Fermented MOL. *Thesis*. Department of THP, Kuala University, Banda Aceh. 2009.
- Putranti,R.I. Skrining Fitokimia dan Aktivitas Antioksidan Ekstrak Rumput Laut *Sargassum Duplicatum* dan *Turbinaria onatta* dari Jepara. *Tesis*. Universitas Diponegoro, Semarang. 2009.
- Raden, Ince.,; Fathillah, S.,; Fadli, M., and Suyadi. Nutrient Content of Liquid Organic Fertilizer (LOF) by Various Bioactivator and Soaking Time. *Nusantara Bioscience Journal*. 2017. 9 (2); 209-213.
- Romero, R.E; A. Mar, L; Lopez,F.I Porcuna, Purisima P. Juico dan Jonathan L. G. Formulation and Testing of Combined Organic Liquid Supplement from *Trichoderma spp.* And Fermented Plant and Seed Extracts on the Growth of Organic Pechay. *Annals of Tropical Research*. 2016. 38(1):53-64.
- Sinaga, D. Liquid Fertilizer from Organic Wasteby using Boisca as Starter. *Thesis*. Departement of Agriculture. North Sumatera University. Medan.
- Sikora, L.J. 1998. Benefits and Drawbacks to Composting Organic By-Products. Springer. 1998. 67-77.
- Sopha, A. Gina; Uhan, S.Tiny. Application of Liquid Organic Fertilizer from City Waste on Reduce Urea Application On Chinese Mustard (*Brassica Juncea* L) cultivation. *AAB Bioflux*. 2013, 5(1).
- Spencer, J.F.T., Spencer, D.M. and Figueroa, L.I.C. Yeasts as Living Objects: Yeast Nutrition,Yeasts In Natural and Artificial Habitats. *Springer*. 1997.

Stong., A.R. Plant Tannin Interactions During Phytophthora Ramorum Infection. *Thesis*. Department of Horticulture. Colorado State University

Suge, J.K; Omunyin M.E; Omami, E.N. Effect of Organic and Inorganic Sources of Fertilizer on Growth, Yield and Fruit Quality of Eggplant (*Solanum Melongena L.*). *Scholars research library Archives of Applied Science Research*. 2011, 3 (6):470-479.

Sulaiman. S; Ramani, A; Aroual, M.K. Coconut Waste as a Source for Biodiesel Production. *Int. Conference on Chemical, Biological and Environmental Engineering (lcbee 2010)*. Kuala Lumpur. Malaysia. 2010.

Sundari. Liquid Organic Fertilizer, Production Using Bio-Activator Biosca And Em-4. *Proc Sntk*. Pekanbaru. 2012.

Sundari, I; Maruf. F.W; Dewi, N.E. Pengaruh Penggunaan Bioaktivator Em4 dan Penambahan Tepung Ikan Terhadap Spesifikasi Pupuk Organik Cair Rumput Laut Gracilaria Sp. *Jurnal Pengolahan Dan Bioteknologi Perikanan*. 2014. 3(3), 88-94.

Suratman; Priyanto, D; Setyawan, A.D. Variance Analysis Of Genus *Ipomoea* Based On Morphological Characters. *Biodiversitas*. 2000 (1), 72 -79.

Taguiling, N.K. Effect of Combined Plant Extracts on Golden Apple Snail (*Pomacea canaliculata* (Lam.)) and Giant Earthworm (*Pheretima* sp). *International Journal of Agriculture and Crop Sciences*. 2015,8 (1), 55-60.

Wijayanto, T., Zulfikar, Tufaila, M., Sarman, M.A., dan Zamrun, F. Influence of bokashi fertilizer on soil chemical properties, soybean (*Glycine max* (L) merrill) yield Component and Production. *WSEAS Transactions On Biology And Biomedicine*. 13: 134. 2017.

Wilberforce J.O. Review of Principles And Application of AAS, PIXE And XRF And Their Usefulness In Environmental Analysis of Heavy Metals. *IOSR Journal Of Applied Chemistry (IOSR-JAC)*. 2016,9(6)

Yanqoritha.; Nyimas; Optimasi Aktivator dalam Pembuatan Kompos Organik dari Limbah Kakao. Staf Pengajar Jurusan Teknik Kimia Fakultas Teknik Industri Institut Teknologi Medan, Sumatera Utara, 2013.

Yerizam, M; Faizal,M; Marsi; Novia. Characteristics of Composite Rice Straw and Coconut Shell as Biomass Energy Resources (Briquette)(Case study: Muara Telang Village, Banyuasin of South Sumatra). *Int. Journal Advanced science Engineering inform. Tech.* 2013. 3(3).

Yuliani, A. Analisis N,P,K, C-Organik dan pH Ekstrak Tanaman Terfermentasi dari Limbah Pisang Kepok dan Tanah Setelah Penanaman Tomat dengan Perlakuan ETT. *Skripsi*. Universitas Andalas, Padang. 2017.

Zaman, B.S. Black Tea Waste Composting with The Addition of The goat dirt on the different variations using starter EM4. *Technic*. 2007, 28:125-131.

Zhai, Zengli. Organic Fertilizer for Greenhouse Tomatoes: Productivity and Substrate Microbiology. *HortScience*. 2009. 44(3): 800-809.



