

DAFTAR PUSTAKA

- Abbeam, G.D, R. Aidoo, K.O. Agyemang dan K.O.Yankyera, 2012. Technical Efficiency in Ghana's Cocoa Industry: Evidence from Bibiani-Anhwiaso-Bekwai District, *Journal of Development and Agricultural Economics* Vol. 4(10) : 287-294
- Abedullah, S. Kouser dan K. Mushtaq, 2007. Analysis of Technical Efficiency of Rice Production In Punjab (Pakistan) Implications For Future Investment Strategies, *Pakistan Economic and Social Review* 45 (2) :231-244.
- Adewale, T.I dan A.B. Aromolaran, 2009. Micro-credit and Technical Efficiency in Food Crops Production: A Stochastic Frontier Approach, *Advances in Natural and Applied Sciences*, 3(2): 156-165.
- Aggrey, N., L. Eliab, dan S.Joseph, 2010. The Relationship between Firm Size and Technical Efficiency in East Africa Manufacturing Firms, *Journal of Sustainable Development in Africa* 12,(4) :226-236.
- Agriculture and Agri-Food Canada, 1990. A Review of Poultry Manure Management: Directions for Future. Poultry Section, August 17. Canada.
- Ahmad, M., G.M. Chaudhry, dan M. Iqbal, 2002. Wheat Productivity, Efficiency, and Sustainability: A Stochastic Production Frontier Analysis, *The Pakistan Development Review* 41(4 Part II) : 643–663.
- Aigner, D.J., C.A.K. Lovell dan P. Schmidt, 1977. Formulation and Estimation of Stochastic Frontier Production Function Model, *Journal of Econometrics* 6 (1) : 21 – 37.
- Akinbode S.O., Dipeolu A.O. dan Ayinde I.A., 2011. An Examination of Technical, Allocative and Economic Efficiencies in *Ofada Rice* Farming in Ogun State, Nigeria, *African Journal of Agricultural Research* Vol. 6(28) : 6027-6035
- Alabi, R. A. dan Aruna M.B, 2006. Technical Efficiency Of Family Poultry Production In Niger-Delta, Nigeria, *Journal Of Central European Agriculture* 6 (4) : 531-538.
- Anwar, S., Z. Hussain, dan M.S. Javed, 2005. Comparative Advantage and Competitiveness of Wheat Crop in Pakistan, *The Lahore Journal of Economics* 10 (2) : 101-110.
- Areal F.J., R. Tiffin dan K.G. Balcombe, 2012. Provision of Environmental Output within a Multi-Output Distance Function Approach, *Ecological Economic* 78 : 47 – 54.
- Asian Development Bank, 1992. Competitive and Comparative Advantage in Tea: Indonesia and Sri Langka. In Comparative Advantage Study of Selected Industrial Crops in Asia. Final Report RETA 5382 The Pragma Corporation.

- Ayaz, S. dan Z. Hussain, 2011, Impact of Institutional Credit on Production Efficiency of Farming Sector, *Pakistan Economic and Sosial Review* 49 (2) : 149 – 162.
- Aye, G.C dan E.D. Mungatana, 2010. Technical Efficiency of Traditional and Hybrid Maize Farmers in Nigeria: Comparison of Alternative Approaches, *African Journal of Agricultural Research* Vol. 5(21) : 2909-2917
- Bäckman, S., K.M. Zahidul Islam dan J. Sumelius, 2011. Determinants of Technical Efficiency of Rice Farms in North-Central and North-Western Regions in Bangladesh, *The Journal of Developing Areas* 45 : 73 – 94.
- Badan Pusat Statistik, 2010. Perkembangan Beberapa Indikator Utama Sosial Ekonomi Indonesia, Jakarta.
- Baten, M.A., A.A. Kamil dan K. Fatama, 2009. Technical Efficiency in Stochastic Frontier Production Model: an Application to the Manufacturing Industry in Bangladesh, *Australian Journal of Basic and Applied Sciences*, 3(2): 1160-1169.
- Battese, G.E. dan T.J. Coelli, 1988. Prediction on Firm-Level Technical Efficiencies with A Generalized Frontier Production Function and Panel Data, *Journal of Econometric* 38 : 387 – 339.
- Battese, G.E. dan T.J. Coelli, 1995. A Model for Technical Inefficiency Effects in a Stochastic Frontier Production Function and Panel Data, *Empirical Economics* 20 : 325 – 332.
- Battese, G.E., 1992. Frontier Production Function and Technical Efficiency : a Survey of Empirical Application in Agricultural Economics, *Agricultural Economics* 7 (1) : 185 – 208.
- Battese. G.E. dan G.S. Corra, 1977. Estimation of a Production Frontier Model: with Application to the Pastoral Zone of Eastern Australia, *Australian Journal Agriculture Economic* 21 (3) : 169 – 179.
- Begum, I.A., J. Buysse, M.J. Alam dan G.V. Huylenbroeck, 2010. Technical, Allocative and Economic Efficiency of Commercial Poultry Farms in Bangladesh, *World's Poultry Science Journal* 66 (September) : 465 – 476.
- Beker, A., S.L. Vanhooser, J.H. Swartzlander, dan R.G. Teeter, 2004. Atmospheric Ammonia Concentration Effects on Broiler Growth and Performance, *Journal of Applied Poultry Research* 13 (1) : 5 – 9.
- Bernal, L.E.P., A.L. Herrera, E.R. Rivas dan O.P. Veyna, 2011. Competitiveness, Efficiency and Environmental Impact of Protected Agriculture in Zacatecas Mexico, 21st Annual World Symposium International Food and Agribusiness Management Association, Frankfurt Germany, June 20-21.

- Binam, J.N., J. Tonye`, N. Wandji, G.Nyambi, dan M. Akoa, 2004. Factors Affecting the Technical Efficiency among Smallholder Farmers in the Slash and Burn Agriculture Zone of Cameroon, *Food Policy* 29 (2004) 531–545.
- Blakely, J. dan D.H. Bade, 1994. *Ilmu Peternakan*. Terjemahan. Gadjah Mada University Press. Yogyakarta.
- Bravo-Ureta, B.E. dan A.E. Pinheiro, 1997. Technical, Economic, and Allocative Efficiency in Peasant Farming: Evidence from The Dominican Republic, *The Developing Economies*, XXXV-1: 48–67.
- Budhiati, 2011. Hubungan antara Kondisi Sosial Ekonomi, Tingkat Pendidikan dan Pengetahuan Tentang Pengelolaan Lingkungan dengan Perilaku Hidup Masyarakat di Kota Surakarta, *Jurnal Ekosains* III (2) : 52 – 59.
- Caveny, D.D., and C.L. Quarles, 1978. The Effect of Atmospheric Ammonia Stress on Broiler Performance and Carcass Quality, *Poultry Science* 57 : 1124 – 1125.
- Caveny, D.D., C.L. Quarles dan G.A. Greathouse, 1981. Atmospheric Ammonia and Broiler Cockerel Performance, *Poultry Science* 60 : 513 – 516.
- Chan, H. dan Zamrowi, M., 1995. *Pemeliharaan dan Cara Pembibitan Ayam Petelur*. Andes Utama. Jakarta.
- Chiu, Y.H. dan M.F. Wu, 2010. Environmental Efficiency Evaluation in China: Application of 'Undesirable' Data Envelopment Analysis, *Policy Journal Environmental Study* 19 (6) : 1159-1169.
- Coelli, T.J. 1996. *A Guide to Frontier Version 4.1: a Computer Program for Stochastic Frontier Production and Cost Function Estimation*, Centre for Efficiency and Productivity Analysis. Universitas of New England-Armidale, New South Wales.
- Coelli, T., L. Lauwers dan G.V. Huylenbroec, 2005. Formulation of Technical Economic and Environmental Efficiency Measures That Are Consistent With Materials Balance Condition, Working Paper Series No 06/2005. Centre for Efficiency and Productivity Analysis, School of Economics University of Queensland Australia.
- Cuesta, R.A., C.A.K. Lovell dan J.L. Zofio, 2009. Environmental Efficiency Measurement with Translog Distance Functions : A Parametric Approach, *Ecological Economic* 68 : 2232 – 2242.
- Dahmardeh, N. dan M. Faghihzadeh, 2008. The Impact of the Government's Supportive Policies for Comparative Advantages of Agricultural Products (A Case of Selective Crops in Sistan and Buluchestan Province of Iran), *American-Eurasian Journal Agriculture and Environment Science* 2 (Supple 1) : 58 – 63.

- Darojat, I., C.F. Ananda, dan Sugianto, 2008. Analisis Keunggulan Komparatif dan Kompetitif Bawang Merah (*Allium ascalonicum* L.) di Kabupaten Kendal, *Agritek* 16 (8) : 1370 – 1383.
- Deaton, J.W., F.N. Reece dan B.D. Lott, 1982. Effect of Atmospheric Ammonia on Laying Hen Performance, *Poultry Science* 61 : 1815 – 1817.
- Debertin, D.L. 1986. *Agricultural Production Economics*. Macmillan Publishing Company. United State of America.
- Departemen Pertanian, 2005. Statistik Pertanian, Jakarta.
- Dhungana, B.R., P.L. Nuthall dan G.V. Nartea, 2004. Measuring the economic inefficiency of Nepalese rice farms using data envelopment analysis, *The Australian Journal of Agricultural and Resource Economics* 48 (2) : 347–369.
- Dimelu, M.U., A.C. Okoye, B.C Okoye, A.E. Agwu, O.C. Aniedu dan A.O. Akinpelu, 2009. Determinants of Gender Efficiency of Small-Holder Cocoyam Farmers in Nsukka Agricultural Zone of Enugu State Nigeria, *Scientific Research and Essay* Vol. 4 (1) : 028-032
- Djanah, D., 1991. *Beternak Ayam dan Itik*. CV. Yasaguna. Jakarta.
- Djokoto, J.G., 2012. Technical Efficiency of Agriculture in Ghana: A Time Series Stochastic Frontier Estimation Approach, *Journal of Agricultural Science* 4 (1) : 154 – 163.
- Edeh, H.O. dan M.U. Awoke, 2011. Technical Efficiency Analysis of Improved Cassava Farmers in Abakaliki Local Government Area of Ebonyi State: A Stochastic Frontier Approach, *Academic Journal of Plant Sciences* 4 (2) : 53 – 56.
- Emam, A.A. dan O.M. Musa, 2011. The Competitiveness of Sugar Cane Production: A Study of Kenana Sugar Company, Sudan, *Journal of Agricultural Science* 3 (3) : 202-210.
- Fan, S. 2000. Technological Change, Technical and Allocative Efficiency in Chinese Agriculture: The Case of Rice Production in Jiangsu, *Journal of International Development* 12 (1) : 1 – 12.
- Fang, C. dan J.C. Beghin, 2000. Food Self-Sufficiency, Comparative Advantage, and Agricultural Trade: A Policy Analysis Matrix for Chinese Agriculture, *Working Paper 99-WP 223*, Center for Agricultural and Rural Development and Department of Economics, Iowa State University, Ames, Iowa.
- Ferjani, A., 2008. The Relationship between Direct Payments and Efficiency on Swiss Farm, *Agricultural Economics Review* 9 (1) : 93 – 102.

- Gray, C., P. Simanjuntak, L.K. Sabur dan P.F.L. Maspaitella, 1997. *Pengantar Evaluasi Proyek*. Gramedia, Jakarta.
- Ha, N.V., S. Kant dan V. Maclaren, 2008. Shadow Prices of Environmental Output and Production Efficiency of Household-Level Paper Recycling Unit in Vietnam, *Ecological Economic* 65 : 98 – 110.
- Halkos, G.E. dan N.G. Tzeremes, 2009. Exploring the existence of Kuznets Curve in Countries' Enviromental Environmental Efficiency Using DEA Window Analysis, *Ecological Economics* 68 : 2168 – 2176.
- Haryono, D., 1991. *Keunggulan Komparatif dan Dampak Kebijakan pada Produksi Kedelai, Jagung dan Ubi Kayu di Propinsi Lampung*. Thesis. Program Pasca Sarjana, Institut Pertanian Bogor. Unpublished.
- Hastang, V.S. Lestari dan A. Prayudi, 2011. Beberapa Faktor yang mempengaruhi Jumlah Permintaan Telur Ayam Ras oleh Konsumen di Pasar Pa'baeng-Baeng Makasar, *Jurnal Agribisnis* X (3) : 1 – 13.
- Hill, D.J. dan P. Ravishanker, 1984. Methane Gas from High Solids Digestion of Poultry Manure and Wheat Straw, *Poultry Science* 63 : 1338 – 1345.
- Ismawati, 2003. *Pupuk Organik*. Cetakan pertama. Penebar Swadaya. Jakarta.
- Izoz B. I., M. Rapu' n, dan I. Zabaleta, 2003. Assessing the technical efficiency of horticultural production in Navarra, Spain. *Agricultural Systems* 78 : 387–403.
- Javed, M.I., S.A. Adil, S. Hassan dan A. Ali, 2009. An Efficiency Analysis of Punjab'a Cotton-Wheat System, *The Lahore Journal of Economics* 14 (2) : 97 – 124.
- Jia, Y., W. Zhang dan P. Tan, 2011. Regional Agricultural Production Efficiency Disparity and Efficiency Decomposition of China's Pastoral Area, *Journal of Agricultural Science* 3 (2) : 183 – 190.
- Jia, Y.P. dan R.Z. Liu, 2012. Study of the Energy and Environmental Efficiency of the Chinese Economy Based on a DEA Model, *Procedia Environmental Science* 13 : 2256 – 2263.
- Jin, S., H. Ma, J. Huang, R. Hu dan S. Rozelle, 2010. Productivity, efficiency and technical change: measuring the performance of China's transforming agriculture, *Journal Production Analysis* 3 : 191 – 2007.
- Joundrow, J., C.A.K. Lovell, I.S. Materov dan P. Schmidt, 1982. On Estimation of Technical Efficiency in the Stochastic Frontier Production Function Models, *Journal of Econometric* 19 (2/3) : 223 – 238.

- Kabupaten Banyumas dalam Angka, 2010. Kerjasama Badan Perencanaan Pembangunan Daerah dengan Badan Pusat Statistik Kabupaten Banyumas.
- Kabupaten Banyumas dalam Angka, 2013. Kerjasama Badan Perencanaan Pembangunan Daerah dengan Badan Pusat Statistik Kabupaten Banyumas.
- Kadariah, L., Karlina, dan C. Gray, 1978. *Pengantar Evaluasi Proyek*. Lembaga Penelitian Fakultas Ekonomi Universitas Indonesia, Jakarta.
- Kavoi, M.M, D.L. Hoag dan J. Pritchett, 2010. Measurement of Economic Efficiency for Smallholder Dairy Cattle in the Marginal Zones of Kenya, *Journal of Development and Agricultural Economics* Vol. 2(4) : 122-137
- Kebede, K. dan B. Adenew 2011. Analysis of Technical Efficiency: Lessons and Implications for Wheat Producing Commercial Farms in Ethiopia, *Journal of Economics and Sustainable Development* 2 (8) : 39 – 47.
- Khai, H.V. dan M. Yabe, 2011. Technical Efficiency Analysis of Rice Production in Vietnam, *J. ISSAASS* 17 (1) : 135 – 146.
- Khai, V.H. dan M. Yabe, 2011. Productive Efficiency of Soybean Production in The Mekong River Delta of Vietnam, *Soybean-Applications & Technology*, InTech Publisher, 111 – 126.
- Kolawole, O., 2006. Determinants of Profit Efficiency Among Small Scale Rice Farmers In Nigeria: A Profit Function Approach, *Poster Paper Prepared For Presentation at The International Association of Agricultural Economists Conference*, Gold Coast, Australia, August 12-18.
- Kumara, C.D., 2010. Technical, Allocative and Economic Efficiency of Organic Input Units in India, *Indian Journal of Agricultural Economics*; 65 (4); 722-738
- Kurniawan, A.Y., 2011. Analisis Daya Saing Usahatani Jagung pada Lahan Kering di Kabupaten Tanah Laut Kalimantan Selatan, *Jurnal Agribisnis Perdesaan* 01 (2): 83-99.
- Lauwers, L.H. dan G.V. Huylenbroeck, 2003. Materials Balance Based Modelling of Environmental Efficiency, Contributed Paper Selected for Presentation at The 25th International Conference of Agricultural Economists, August 16-22, 2003, Durban, South Africa.
- Mandaka, M. dan M.P. Hutagaol, 2005. Analisis Fungsi Keuntungan, Efisiensi Ekonomi dan Kemungkinan Skema Kredit bagi Pengembangan Skala Usaha Peternakan Sapi Perah Rakyat di Kelurahan Kebon Pedes, Kota Bogor. *Jurnal Agro Ekonomi* 23 (2): 191 – 208.

- Mappigau, P. dan A.S.R. Ezzo, 2011. Analisis Strategi Pemasaran Telur pada Peternakan Ayam Ras Skala Besar di Kabupaten Sidrap, *Jurnal Agribisnis X* (3) : 14 – 31.
- Martinez, E.R., A.J.P. Tadeo dan V. Estruch, 2008. The Policy Analysis Matrix with Profit-Efficiency Data: Evaluating Profitability in Rice Cultivation, *Spanish Journal of Agricultural Research* 6 (3) : 309 – 319.
- Medagbe, F.M.K., A. Diagne, F. Simtowe, A.R.A. Naomeshie, dan P.Y. Agegbola, 2010. Gender Discrimination and Its Impact on Income, Productivity, and Technical Efficiency: Evidence from Benin, *Agriculture Humaniora Values* 27 : 57 – 69.
- Miles, D.M., S.L. Branton dan B.D. Lott, 2004. Atmospheric Ammonia Is Detrimental to the Performance on Modern Commercial Broilers, *Poultry Science* 83 : 1650 – 1654.
- Mohanty, S., C. Fang dan J. Chaudhary, 2002. Assessing Competitiveness of India Cotton Production: A Policy Analysis Matrix. Beltwide Cotton Conferences, Atlanta, January 8 – 12.
- Mohanty, S., C. Fang dan J. Chaudhary, 2003. Assessing Competitiveness of India Cotton Production: A Policy Analysis Matrix Approach, *The Journal of Cotton Science* 7 : 65 – 74.
- Monke, E.A. dan E.S. Pearson, 1989. *The Policy Analysis Matrix for Agricultural Development*. Cornell University Press, London.
- Moreau, P., L. Ruiz, F. Mabon, T.Raimbault, P.Durand, L. Delaby, S. Devienne, dan F. Vertès, 2012. Reconciling Technical, Economic and Environmental Efficiency of Farming Systems in Vulnerable Areas, *Agriculture, Ecosystems and Environment* 147 : 89– 99.
- Moreira, V.H., B.E. Bravo-Ureta, B.L. Carrillo, dan J.A. Vásquez, 2006. Technical efficiency measures for small dairy farms in Southern Chile: A stochastic frontier analysis with unbalanced panel data, *Archivos de Medicina Veterinaria* Vol XXXVIII (1) : 25 – 32.
- Morilla, C.R., G.L.D. Salazar dan M.A. Cardenete, 2007. Economic and Environmental Efficiency Using a Social Accounting Matrix, *Ecological Economics* 60 : 774 – 786.
- Morisson, J. dan K. Balcombe, 1992. Policy Analysis Matrix: Beyond Simple Sensitivity Analysis. *Journal of International Development* 14 (4) : 459 – 471.
- Najarzadeh, R., M. Rezagholizadeh, S.M. Reed dan M. Aghaie, 2011. The Impact of Trade Liberalization on Persian Rug : A Policy Analysis Matrix Approach, *Journal of Food Distribution Research* 42 (1) : 91 – 95.
- Nazir, M., 1988. *Metode Penelitian*. Ghalia Indonesia, Jakarta.

- Nelson, G.C. dan M. Panggabean, 1991. The Costs of Indonesian Sugar Policy: A Policy Analysis Matrix Approach, *American Journal of Agricultural Economics* 73 (3) : 703 - 712.
- North, M.O. dan D.D. Bell, 1990. *Commercial Chicken Production Manual*. The Fourth Ed. Van Nostrand Reinhold. New York.
- Nurifah, E., Sugiyanto, dan S.M. Kiptiyah, 2008. Analisis Daya Saing Komoditas Mangga Menghadapi Era Pasar Global (Tinjauan Keunggulan Komparatif dan Keunggulan Kompetitif di Daerah Sentra Produksi Kecamatan Grati Kabupaten Pasuruan), *Agritek* 16 (8) : 1401 – 1415.
- Nyagaka, D.O, G.A. Obare, J.M. Omiti dan W. Nguyo, 2010. Technical Efficiency in Resource Use: Evidence from Smallholder Irish Potato Farmers in Nyandarua North District, Kenya, *African Journal of Agricultural Research* Vol. 5(11) : 1179-1186
- Ogbe, A.O., V.O. Okoruwa dan O.J. Saka, 2011. Competitiveness Of Nigerian Rice and Maize Production Ecologies: A Policy Analysis Approach, *Tropical and Subtropical Agroecosystems* 14 : 493- 500.
- Ogundari, K, T.T. Amos dan S.O. Ojo, 2010. Estimating Confidence Intervals for Technical Efficiency of Rainfed Rice Farming System in Nigeria, *China Agricultural Economic Review* 2 (1) : 107 – 118.
- Omonona, B.T., O.A. Egbetokun dan A.T. Akanbi , 2010. Farmers Resource – Use and Technical Efficiency in Cowpea Production in Nigeria, *Economic Analysis and Policy*, 40 (1): 87 – 95.
- Otitoju, M.A. dan C.J. Arene, 2010. Constraints and determinants of technical efficiency in medium-scale soybean production in Benue State, Nigeria, *African Journal of Agricultural Research* 5 (17) : 2276-2280.
- Palomares, R.D. dan J.M.M. Paz, 2011. Technical, Quality and Environmental Efficiency of the Olive Oil Industri, *Food Policy* 36 : 526 – 534.
- Pearson, S. C. Gotsch dan S. Bahri, 2004. *Applications of the Policy Analysis Matrix in Indonesian Agriculture*. Development Alternatives Inc.- Food Policy Support Activity (DIA – FPSA) Indonesia in collaboration with Yayasan Obor Jakarta Indonesia.
- Quarles C.L. dan H.F. King, 1974. Evaluating of Ammonia and Infectious Bronchitis Vaccination Stress on Broiler Performace and Carcas Quality, *Poultry Science* 53 : 1592 – 1596.
- Querles, C. dan D.J. Fagerberg, 1979. Evaluation of Ammonia Stress and Coccidiosis on Broiler Performance, *Poultry Science* 58 : 465 – 468.

- Radam, A., M. R. Yacob dan S. A. Kamarulzaman Shah, 2008. The Technical Efficiency of Food Industry in Malaysia: An Application of Stochastic Frontier Model, *International Applied Economics and Management Letters* 1(1): 19-23.
- Rasyaf, M, 2000. *Beternak Ayam Petelur*. Penebar Swadaya. Jakarta.
- Rasyaf, M, 2008. *Panduan Beternak Ayam Petelur*. Penebar Swadaya. Jakarta.
- Reece, F.N., B.D. Lott dan J.W. Deaton, 1980. Ammonia in the Atmosphere During Brooding Affects Performance of Broiler Chicken, *Poultry Science* 59 : 486 – 488.
- Rehman, A., N.P. Khan, I. Khan, M. Nazir, M. Khan, D. Jan, dan A. Ali, 2011. Comparative Advantage and Policy Analysis of Wheat in District D.I.Khan of Khyber Pakhtunkhwa. *Interdisciplinary Journal Of Contemporary Research in Business* 3 (8) : 982-1008.
- Reinhard, S., C.A.K. Lovell, dan G. Thijssen, 1999. Econometric Estimation of Technical and Environmental Efficiency: An Application to Dutch Dairy Farms, *American Journal Agricultural Economic* 81 (1) : 44 – 60.
- Reinhard, S., C.A.K. Lovell, dan G. Thijssen, 2002. Analysis of Environmental Efficiency Variation, *American Journal Agricultural Economic* 84 (4) : 1054 - 1065.
- Roush, W.B., M.M. Mashaly dan H.B. Graves, 1984. Effect of Increased Bird Population in a Fixed Cage Area on Production and Economic Responses of Single Comb White Leghorn Laying Hens, *Poultry Science* 63 : 45 – 48.
- Rum, M., 2010. Analisis Usaha Tani dan Evaluasi Kebijakan Pemerintah Terkait Komoditas Cabai Besar di Kabupaten Malang Dengan Menggunakan Policy Analysis Matrix (PAM), *Embryo* 7 (2) : 138 – 143.
- Salvatore, 1994. *Ekonomi Internasional*. Edisi Kelima. Penerbit Erlangga, Jakarta.
- Saptana, Sumaryanto dan S. Friyatno, 2010. Analisis Keunggulan Komparatif dan Kompetitif Komoditas Kentang dan Kubis di Wonosobo Jawa Tengah, *Jurnal Agro Ekonomi* (1) : 21-37.
- Sebayang, M.A. 2005. Hubungan Tingkat Pendidikan dan Pendapatan dengan Partisipasi Masyarakat dalam Pengelolaan Lingkungan Hidup di Kisaran Barat Kabupaten Asahan. Thesis. Pendidikan Kependudukan dan Lingkungan Hidup, Universitas Negeri Medan.
- Sherlund, S.M., C.B. Barrett dan A.A. Adesina, 2002. Smallholder technical efficiency controlling for environmental production conditions, *Journal of Development Economics* 69 : 85 – 101.

- Si, W. dan X. Wang, 2011. Productivity Growth, Technical Efficiency, and Technical Change in China's Soybean Production, *African Journal of Agricultural Research* 6 (25): xxx-xxx.
- Singh, S., dan S. Sharma, 2011, Measurement of Technical Efficiency in Dairy Sector of India: A Stochastic Frontier Production Function Approach, *TMC Academic Journal* 5 (2): 51-64.
- Siregar, M. dan Sumaryanto, 2003. Estimating Soybean Production Efficiency in Irrigated Area of Brantas River Basin, *Indonesian Journal of Agricultural Science* 4 (2) : 33 – 39.
- Sohail, N., K. Latif, N. Abbas dan M. Shahid, 2012. Esmination of Technical Efficiency and Investigation of Efficiency Variables in Wheat Production: A Case of District Sargodha (Pakistan), *Interdisciplinary Journal of Contemporary Research in Business* 3 (10) : 897 – 904.
- Sosroamidjojo dan Soeradji, 1990. *Peternakan Umum*. CV. Yasaguna. Jakarta.
- Sugiyono, 2003. *Statistika Untuk Penelitian*. CV. Alfabeta. Bandung.
- Suharno dan Nazaruddin, 1994. *Ternak Komersial*. Penebar Swadaya. Jakarta.
- Sukiyono, K., 2004. Analisis Fungsi Produksi dan Efisiensi Teknik: Aplikasi Fungsi Produksi Frontier pada Usahatani Cabai di Kecamatan Selupu Rejang, Kabupaten Rejang Lebong. *Jurnal Ilmu-Ilmu Pertanian Indonesia* 6 (2): 104 – 110.
- Sukiyono, K., 2005, Faktor Penentu Tingkat Efisiensi Teknik Usahatani Cabai Merah di Kecamatan Selupu Rejang Kabupaten Rejang Lebong, *Jurnal Agro Ekonomi* 23 (2) : 176 – 190.
- Sunu, P., 2001. *Melindungi Lingkungan dengan ISO 14001*. Cetakan Pertama. Grasindo. Jakarta.
- Suprijatna, E. dan D. Natawihardja, 2005. Pertumbuhan Organ Reproduksi Ayam Ras Petelur dan Dampaknya terhadap Performans Produksi Telur Akibat Pemberian Ransum dengan Taraf Protein Berbeda Saat Periode Pertumbuhan, *JITV* 10 (4) : 260 – 267.
- Suryana, A., 1980. *Keunggulan Komparatif dalam Produksi Ubi Kayu dan Jagung di Jawa Timur dan Lampung dengan Analisa Penghematan Biaya Sumberdaya Domestik (BSD)*. Thesis. Sekolah Pasca Sarjana, Institut Pertanian Bogor. Unpublished.
- Suta, C.M., A. Bailey, S. Davidova, 2010, Environmental Efficiency of Small Farms in Selected EU NMS, Rural Development: Governance, Policy Design and Delivery, 118th EAAE Seminar, Ljubljana, 25-27 August.

- Tajerin dan M. Noor, 2005. Analisis Efisiensi Teknis Usaha Budidaya Pembesaran Ikan Kerapu dalam Keramba Jaring Apung di Perairan Teluk Lampung: Produktivitas, Faktor-Faktor yang Mempengaruhi dan Implikasi Kebijakan Pengembangan Budidayanya, *Jurnal Ekonomi Pembangunan* 10 (1) April : 95 – 105.
- Talib, C., I. Inounu, dan A. Bamualim, 2007, Restrukturisasi Peternakan di Indonesia, *Analisis Kebijakan Pertanian* 5 (1) : 1-14.
- Tamba, M, 2007. *Kebutuhan Informasi Pertanian dan Aksesnya Bagi Petani Sayuran: Pengembangan Model Penyediaan Informasi Pertanian dalam Pemberdayaan Petani, Kasus di Provinsi Jawa Barat*. Disertasi. Sekolah Pascasarjana Institut Pertanian Bogor. Bogor.
- Tamini, L.D., B. Larue dan G.West, 2012. Technical and environmental efficiencies and best management practices in agriculture, *Applied Economics Journal* 44 (13) : 1659 – 1672.
- Tarigan, R. 2005. Hubungan Antara Tingkat Pendidikan dan Pengetahuan Lingkungan terhadap Perilaku Pengelolaan Kebersihan Pantai Percut di Kabupaten Deli Serdang. Thesis. Pendidikan Kependudukan dan Lingkungan Hidup, Universitas Negeri Medan.
- Teken dan Asnawi . 1997 . Teori Ekonomi Mikro . Departemen Ilmu Sosial Ekonomi Pertanian. Fakultas Pertanian IPB Bogor
- Tian, W. dan G.H. Wan, 2000. Technical Efficiency dan Its Determinants in China's Grain Production, *Journal of Productivity Analysis* 13 (2) : 159 – 174.
- Tower, E. 1992. Domestic Resource Cost. *Journal of International Economic Integration* 7(1) : 20 – 44.
- Udoh, E.J., 2005. Technical Inefficiency in Vegetable Farms of Humid Region: An Analysis of Dry Season Farming by Urban Women in South Zone, Nigeria, *Journal of Agriculture and Social Sciences*, 01(2): 80 – 85.
- Ugochukwu, A.I. dan C.I. Ezidinma, 2011. Intensification of Rice Production System in South-eastern Nigeria : A Policy Analysis Matrix Approach, *International Journal of Agricultural Manajemen and Development* 1 (2) : 89 – 100.
- Venkataramani, A.S., K.R. Shanmugam dan J.P. Ruger, 2010. Health, Technical Efficiency, And Agricultural Production In Indian Districts, *Journal Of Economic Development* 35, (4) : 1 -24.
- Welch, E.W. dan D.T. Barnum, 2009. Joint Environmental and Cost Efficiency Analysis of the Electricity Production Industry: Applying the Materials Balance Condition. A Great Cities Institute Working Paper, Great Cities Institute Publication Number: GCP-09-03,

Great Cities Institute College of Urban Planning and Public Affairs, University of Illinois at Chicago.

- Widiyanti, R., 2001. *Konsumsi Sumber Protein Hewani pada Tingkar Rumah Tangga di Jawa Tengah*. Tesis. Universitas Gadjah Mada, Yogyakarta. Unpublished.
- Wiharto, 1986. *Petunjuk Beternak Ayam*. Fakultas Peternakan Universitas Brawijaya. Malang.
- Williamson dan W.J.A. Payne, 1993. *Pengantar Peternakan di Daerah Tropis*. Terjemahan. Gadjah Mada University Press. Yogyakarta.
- Xiao, J. dan D. Li, 2011. An Analysis on Technical Efficiency of Paddy Production in China, *Asian Social Science* 7 (6) : 170 – 176.
- Yang, C.C., 2009. Production efficiency, environmental efficiency and their determinants in farrow-to-finish pig farming in Taiwan, *Livestock Science* 126 : 195 – 205.
- Yunus, R. 2009. Analisis Efisiensi Produksi Usaha Peternakan Ayam Ras Pedaging Pola Kemitraan dan Mandiri di Kota Palu Provinsi Sulawesi Tengah. Tesis. Program Pascasarjana Universitas Diponegoro. Semarang.
- Yusuf, S.A. dan O. Malomo, 2007. Technical Efficiency of Poultry Egg Production in Ogun State: A Data Envelopment Analysis (DEA) Approach. *International Journal of Poultry Science* 6 (9): 622-629, 2007.
- Zaim, O. dan F. Taskin, 2000. Environmental Efficiency in Carbon Dioxide Emissions in the OECD: A Non-Parametric Approach, *Journal of Environmental Management* 58 (2) : 95 – 107.
- Zakaria, A.K., W.K. Sejati dan R. Kustiari, 2010. Analisis Daya Saing Komoditas Kedelai Menurut Agro Ekosistem : Kasus di Tiga Provinsi di Indonesia, *Jurnal Agro Ekonomi* 28 (1) : 21 – 37.
- Zang, B., J. Bi, Z. Fan, Z. Yuan dan J. Ge, 2009. Eco-efficiency Analysis of Industrial System in China: A DEA Approach, *Ecological Economic* 68 : 306 – 316.