

## DAFTAR PUSTAKA

- Adib, M. 2014. Pemanasan Global, Perubahan Iklim, Dampak, dan Solusinya di Sektor Pertanian. *Jurnal Biokultur*. Vol 03 No. 2. 420-429.
- Agustina, V., Yoestini. 2012. Analisis Pengaruh Kualitas Pelayanan, Kepuasan Pelanggan dan Nilai Pelanggan dalam Meningkatkan Loyalitas Pelanggan Joglosemar Bus (Studi Pada Wilayah Semarang Town Office). *Diponegoro Journal of Management* (1):1-11.
- Anderson, T.W. 1959. On asymptotic distributions of estimates of parameters of stochastic difference equations. *Annals of Mathematical Statistics* (30):676-687.
- Apata, T.G. 2010. Effects of Global Climate Change on Nigerian Agriculture: An Empirical Analysis. *CBN Journal of Applied Statistics* 2 (1):31-30.
- Apergis, N. and Ozturk, I. 2015. Testing Environmental Kuznets Curve Hypothesis in Asian countries. *Ecological Indicator* (15): 16-22.
- Apergis, N. Christou, Christina. Gupta, Rangan. 2017. Are there Environmental Kuznets Curve for US state-level CO<sub>2</sub> emissions?. *Renewable and Sustainable Energy Reviews* (69): 551-558.
- Arellano, M., Bover, O., and Labeaga, J. 1999. Autoregressive models with sample selectivity for panel data. In C. Hsiao, K. Lahiri, L.F. Lee, and M.H. Pesaran, eds., *Analysis of Panels and Limited Dependent Variabel Models*. Cambridge University Press, Cambridge.
- Ariani, Miranti, Setyono, P., Ardiansyah, M.. 2016. Biaya Pengurangan (Marginal Abatement Cost) Emisi Gas Rumah Kaca (GRK) Sektor Pertanian di Kabupaten Grobogan dan Tanjung Jabung Timur. *Jurnal Ilmu Lingkungan*. (14):39-49.
- Arsyad, L. 1994. *Peramalan Bisnis*. BPFE. Yogyakarta.
- Assauri. 1984. *Teknik dan Metode Peramalan*. Fakultas Ekonomi UI, Jakarta.
- Azam, Muhammad. 2016. Does environmental degradation shackle economic growth? A panel data investigation investigation on 11 Asian countries. *Reneweble and Sustainable Energy Reviews* (65): 175-182.
- Azam, Muhammad and Khan, Abdul Qayyum. 2016. Testing the Environmental Kuzets Curve Hypothesis: A comparative empirical study for low, lower middle, upper middle and high income countries. *Renewable and Sustainable Energy Reviews* (63): 556-567.
- Azis, J.I., Napitupulu, L.M., Patunru, A.A., Resosudarmo B.P., 2010. *Pembangunan Berkelanjutan, Peran dan Kontribusi Emil Salim*. PT. Gramedia, Jakarta.
- Balitbangtan. 2011. *Pedoman Umum Mitigasi Perubahan Iklim Sektor Pertanian*. Badan Penelitian dan Pengembangan Pertanian, Kementerian Pertanian, Jakarta.

- Baltagi, B.D. 2005. *Econometric Analysis of Panel Data*, 3<sup>rd</sup> Ed.. John Wiley and Sons, England.
- Bator, FM. 1958. The anatomy of market failure. *The Quarterly Journal of Economics* 72 (3): 351-379.
- Binder, M., Hsiao, C., and Pesaran, M.H.. 2005. Estimation and inference in short panel vector autoregressions with unit roots and cointegration. *Econometric Theory* (21): 795-837.
- Biorn, E. 1992. *Econometrics of panel data with measurement errors*. In L. Matyas and P. Sevestre, eds., *The Econometrics of Panel Data: Theory and Applications*. Kluwer Academic Publishers, Dordrecht.
- Bowo, P. A. 2004. Kualitas Lingkungan Udara dan Pertumbuhan Ekonomi di Indonesia: Pengujian Hipotesis *Environmental Kuznets Curve*. Tesis. Universitas Gadjah Mada, Yogyakarta.
- Budiastuti, M.J.T., 2008. Simulasi Laju Emisi pada Lahan Padi Sawah dengan Model Denitrifikasi-Dekomposisi (DNDC) (Studi Kasus di Kabupaten Tasikmalaya).
- Crabb, M.G.J., Rivera S.F., Hunter, R.A., Kurihara, M. Teradadan, F. and Wirth, T. 2007. *Managing Greenhouse Emissions From Livestock Systems*. International Livestock Research Institute, Addis Ababa, Ethiopia. CSIRO Livestock Industries, Rockhampton, Australia. National Institute of Livestock and Greenland Science, Tsakuba, Japan. Environmental Protection Agency, Washington DC, USA.
- Dasgupta, S., Laplante, B., Wang, H., dan David Wheeler. 2002. Confronting the Enviromental Kuznets Curve . *The Journal Of Economic Perspective* (16):147-168.
- De Bruyn, S.M., Van den Bergh, J.C., dan J.B. Opschoor 1998. Economic Growth and Emissions: reconsidering the empirical basis of environmental Kuznets curve. *Ecological Economics*. (25):161-175.
- Dickey, D.A. and Fuller, W.A. 1979. Distribution of estimators for autoregressive time series with a unit root. *Journal of American Statistical Association* (74):427-431.
- Dickey, D.A. and Fuller, W.A., 1981. Likelihood ratio statistics for autoregressive time series with a unit root. *Econometrica* (49):1057-1072.
- Dinda, S. 2004. Enviromental Kuznets Curve Hypothesis: A Survey. *Ecological Economics* (49):431-455.
- Ekananda, M. 2016. *Analisis Ekonometrika Data Panel;Edisi 2*. Mitra Wacana Media, Jakarta.
- Everett, T., Ishwaran., G.P. Ansaloni, dan A. Rubin. 2010. *Economic Growth an Environment*. Unich Personal RePEc Archive 23585.

- Farhani, Sahbi, Mrizak, Sana, Chaibi, Anissa, Rault, Christophe. 2014. The environmental Kuznets curve and sustainability: A panel data analysis. *Energy Policy* (71): 189-198.
- Field C., Jackson R. and Mooney H., 1995. Stomatal response to increased CO<sub>2</sub>: implications from plant to the global scale. *Plant, Cell and Environment* (18):1214-1255.
- Ghozali, I. 2011. *Aplikasi Analisis Multivariate dengan Program IBM SPSS 19*. Badan Penerbit Universitas Diponegoro, Semarang.
- Gujarati, D. 2006. *Dasar-dasar Ekonometrika Jilid 2*. Erlangga, Jakarta.
- Gustiar, F., Suwignyo, R.A., Suheryanto, Munandar. 2014. Reduksi Gas Metan (CH<sub>4</sub>) dengan Meningkatkan Komposisi Konstentrat dalam Pakan Ternak Sapi. *Jurnal Peternakan Sriwijaya* (1):14-24.
- Griliches, Z. and Hausman, J.A. 1986. Errors in variabels in panel data. *Journal of Econometrics* (31): 93-118.
- Grossman, G. dan Krueger, A. 1995. Economic Growth and The Environment. *Quartely Journal of Economics* 110 (2):353-377.
- Grossman, G. dan Krueger, A. 1993. *Enviromental Impacs of the North American Free Trade Agreement. In The US-Mexico Free Trade Agreement*, p. Garber (ed). Massachusetts Institute of Technology, The MIT Press: Cambridge, MA, pp.13-56.
- Grossman, G. dan Krueger, A. 1991. *Enviromental Impacs of a North American Free Trade Agreement*, NBER Working Paper, No3914, Washington.
- Hadi, M. 2005. *Entropi dan Hukum Kedua Termodinamika*. [www.fisikanet.lipi.go.id]. Diakses pada tanggal 12 Mei 2017.
- Halliday, R. 1990. *Fisika*, alih bahasa Silaban Sucipto. Erlangga. Jakarta.
- Handoko I., Sugiarto, Y., Syaukat Y., 2008. *Keterkaitan Perubahan Iklim dan Produksi Pangan Strategis: Telaah Kebijakan Independen dalam Bidang Perdagangan dan Pembangunan*. Seameo Biotrop for Kemitraan Partnership.
- He, Jie. Richard, Patrick. 2010. Environmental Kuznets Curve fo CO<sub>2</sub> in Canada. *Ecological Economics* (69):1083-1093.
- Herawati, T. 2012. Refleksi Sosial dari Mitigasi Emisi Gas Rumah Kaca pada Sektor Peternakan di Indonesia. *Wartazoa* (1): 35-46.
- Im, K., Pesaran, M.H. and Shin, Y. 2003. Testing for unit roots in heterogeneous panels. *Journal of Econometrics* (115):53-74.

- Intergovernmental Panel on Climate Change. 1994. Green House Gas Inventories Workbook: IPCC Guidelines for National Greenhouse Gas Inventories Volume 2, UNEP-WMO.
- IPCC.2006. *Guidelines for National Green House Gas Inventories*, Chapter 10: Emissions from Livestock and Manure Management.
- Javid, M. Sharif, Fatima. 2016. Environmental Kuznets Curve and Financial Development in Pakistan. *Renewable and Sustainable Energy Reviews* (54):406-414.
- Kementerian Lingkungan Hidup Republik Indonesia. 2010. *Indonesia Second National Communication. Under The United Nations Framework Convention on Climate Change* (UNFCCC,), Jakarta.
- Kartikawati R., Susilawati, H.L., Ariani, M., Setyanto, P. 2011. Teknologi Mitigasi Gas Rumah Kaca dari Lahan Sawah. *Badan Penelitian dan Pengembangan Pertanian*. (6):3-8.
- Kartikawati, R. dan Nursyamsi, D. 2013. Pengaruh Pengairan, Pemupukan dan Penghambat Nitrifikasi terhadap Emisi Gas Rumah Kaca di Lahan Sawah Tanah Mineral. *Jurnal Ecolab* (2):49-108.
- Lau, L., Choong, C., Eng, Y., 2014. Investigation of the Environmental Kuznets Curve for carbon emissions in Malaysia: Do foreign direct investment and trade matter?. *Energy Policy* (68): 490-497.
- Lestari, A. dan Setyawan, Y. 2017. Analisis Regresi Data Panel untuk Mengetahui Faktor yang Mempengaruhi Belanja Daerah di Provinsi Jawa Tengah. *Jurnal Statistika Industri dan Komputasi* (2):1-11.
- Levin, A., Lin, C., and Chu, J. 2002. Unit root tests in panel data: Asymptotic and finite-sample properties. *Journal of Econometrics* (108):1-24.
- Lotfalipour, M. R. Falahi, Muhammada Ali. Bastam, Morteza. 2013. Prediction of CO<sub>2</sub> Emissions in Iran using Grey and ARIMA Models. *International Journal of Energy Economics and Policy* (3):229-237.
- Lu, W.F., Chen, W., Duan, W.M., Guan, Y., Lu, Y. and Lantin, R.S. 2000. Methane Emissions and Mitigation Options in Irrigated Rice Field in Southeast China. *Nutrient Cycling in Agrosystems* 58:65-73.
- Martin, L.S., Meijide, A., Garcia,T., Vallejo, L. Combination of Drip Irrigation and Organic Fertilizer for Mitigating Emissions of Nitrogen Oxides in Semiarid Climate. *Agriculture Ecosystem and Environment* (137):99-107.
- Moshefi, P., Bahojb-Almasi, A. 2015. Effect of climate changes on agriculture. *Biodiversity Journal* (2): 633-636.
- Montgomery, D. C., Elizabeth A. Peck, G. Geoffrey Vinning. 2006. Introduction to Linear Regression Analysis, Fourth Edition. John Willey and Sons. New York.
- Mulyanto, H.R., 2007. *Ilmu Lingkungan*. Graha Ilmu, Yogyakarta

- Nicholson, W. 2005, *Microeconomics Theory: Basic Principle and Extensions*, Ninth Editon, Thomson, South Western.
- Olabewimo, F.A., Danmaliki, G.I, Oyehan, T.A., Tawabini, B.S. 2016. Forecasting CO<sub>2</sub> emissions in Persian Gulf State. *Global Journal of Environmental Science Management* (1): 1-10.
- Orubu, C.O., Omotor, D.G., 2011. Environmental quality and economic growth: Searching for Environmental Kunets Curve for air and water pollutants in Africa. *Energy Policy* (39): 4178-4188.
- Owen, A. D. 2004. Environmental Externalities, Market Distortions and The Economics of Renewable Energy Technologies. *The Energy Journal* (25):1-10.
- Ozturk, I. and Al Mulali, U. 2015. Investigating the validity of the environmental Kuznets curve hypothesis in Cambodia. *Ecological Indicator* (57):324-330.
- Panoyotou, T. 1993. Empirical tests and policy analysis of environmental degradation at different stage of economic development. Working Paper WP 238 Technology and Environment Programme, International Labour Office, Geneva.
- Philips, P.C.B. and Durlauf, S.N. 1986. Multiple time series regression with integrated process. *Review Economic Studies* (53):473-495.
- Philips, P.C.B. and Moon, H.R. 1999. Linear regression limit theory for nonstationery panel data. *Econometrica* (67): 1057-1111.
- Priyatno, D. 2009. *SPSS untuk Analisis Korelasi, Regresi, dan Multivariate*. Gava Media, Yogyakarta.
- Phuang, L.T.B., Khang, D.N., Preston, T.R., and Leng, R.A. 2012 *Livestock Research for Rural Development*. 24 (1).
- Putera, E.K.S. dan Indradewa, D. 2009. Perubahan Iklim dan Ketahanan Pangan. [[http://www.faperta.ugm.ac.id/dies/eka\\_prof\\_didik.php](http://www.faperta.ugm.ac.id/dies/eka_prof_didik.php)]. Diakses pada tanggal 21 Mei 2017.
- Reicosky, D.C. and Ancher, D.W. 2007. Moldboard Plow Tillage Depth and Short-time Carbon Dioxide Release. *Soil and Tillage Res.* 94:109-121.
- Salim, E. 1990. *Konsep Pembangunan Berkelanjutan*, Jakarta.
- Second Natcom. Indonesia Second International Communication Under The United Nations Frame Work Convention on Climate Change (UNFCCC). 2010. Presentand Future Generation. Kementerian Lingkungan Hidup.
- Sekaran, U. 2011. *Metode Penelitian untuk Bisnis*. Salemba Empat, Jakarta
- Siew, Lim Ying. Chin, Lim Ying. And Wee, Pauline Mah Jin. 2008. ARIMA and Integrated ARFIMA Models for Forecasting Air Pollution Index in Shah

Alam, Selangor. *The Malaysian Journal of Analytical Sciences* (12):257-263.

Sinha, A. Bhattacharya, J. 2016. Estimation of Environmental Kuznets Curve for SO<sub>2</sub> emission: A case of Indian cities. *Ecological Indicators* (72):881-894.

Song, T., T. Zheng., dan L. Thong. 2008. An Empirical Test of The *Enviromental Kuznets Curve* in China: A Panel Cointegration Approach. *China Economic Review* (199): 381-392.

Sugiawan, Y. and Managi, S. 2016. The environmental Kuznets curve in Indonesia: Exploring the potential of renewable energy. *Energy Policy* (98): 187-198.

Suparmoko, M. dan Maria R.S., 2000. *Ekonomika Lingkungan*; Edisi Pertama. BPFE, Yogyakarta.

Suprihati, I., Anas, D.M., Sabiham, S., dan Djajakirana, G. 2006. Fluks Metana dan Karakteristik Tanah Pada Beberapa Macam Sistem Budidaya. *Buletin Agronomi* (3): 181-187.

Suriamihardja, D.A. 2008. *Analogi Hukum Termodinamika dalam Interaksi Ekonomi Lingkungan*. Konferensi BKPSL, Manado.

Stern, D.I. 2003. The Rise and Fall of the *Enviromental Kuznets Curve*. Rensselaer Working Paper in Economics. New York.

Todaro, M.P., 2000. *Pembangunan Ekonomi di Dunia Ketiga* (Alih Bahasa: H. Munandar) Edisi Ketujuh, Erlangga, Jakarta.

Wardhana, W. 1995. *Dampak Pencemaran Lingkungan*. Penerbit Andi, Yogyakarta.

Wang, S.X., Fu, Y.B., Zhang, Z.G., 2015. Population growth and the environmental Kuznets curve. *China Economic Review* (36):146-165.

Wang, Y. Han, R. Kobota, J. 2016. Is there an Environmental Kuznets Curve for SO<sub>2</sub> emissions? A semi-parametric panel data analysis for China. *Renewable and Sustainable Energy Reviews* (54):1182-1188.

Wang, S. Zhou, Chunsan. LI, Guangdong. Feng, Kuishuang. 2016. CO<sub>2</sub> economic growth, and energy consumption in China provinces: Investigating the spatiotemporal and econometric characteristic of Chinas's e CO<sub>2</sub> emissions. *Ecological Indicator* (09): 184-195

Wansbeek, T.J. and Koning, R.H. 1989. Measurement error and panel data. *Statistica Neerlandia* (45): 85-92.

Warrick R.A., Gifford R. and Parry M.L. 1986. CO<sub>2</sub>, *Climatic Change and Agriculture* . In Bolin B., Doos B.R., Jager J.and Warrick R.A. (Eds.), *The Greenhous Effect, Climate Change and Ecosystem*, SCOPE 29, John Wiley and Sons, Chichester, 393-473.

- Widarjono, A. 2009. *Ekonometrika, Pengantar dan Aplikasinya*. Penerbit Ekonisia, Fakultas Ekonomi UII, Yogyakarta.
- Wihardjaka, A. 2001. Emisi Gas Metan di Tanah Sawah Irigasi dengan Pemberian Beberapa Bahan Organik. *Agrivita*(1):43-51.
- Winarno, W. W. 2015. *Analisis Ekonometrika dan Statistika dengan Eviews Edisi 4*. UPP STIM YKPN. Yogyakarta.
- Wirakusuma, G. 2015. *Valuasi Ekonomi Degradasi Lingkungan dan Daya Dukung Lahan dalam Produk Domestik Regional Bruto (PDRB) Sektor Pertanian di Jawa Timur*. Tesis. Program Pascasarjana Fakultas Pertanian, UGM, Yogyakarta
- Wollenweber, B., Porter P.Q. and Schellberg, J., 2003. Lack of interaction between extreme high-temperature events at vegetative and reproductive growth stages in wheat. *Journal of Agronomy and Crop Science* (189): 142-150
- Yang, X., Lou, F., Sun, M., Wang, R., Wang, Y., 2017. Study of relationship between greenhouse gas emissions and the economic growth of Russia based on the Environmental Kuznets Curve. *Applied Energy* (193):162-173.
- Yusuf, M. 2014. *Metode Penelitian Kuantitatif, Kualitatif, dan Penelitian Gabungan*. Penerbit Prenadamedia Group, Jakarta.
- Zoundi, Z. 2016. CO<sub>2</sub> emissions, renewable energy and the Environmental Kuznets Curve, a Panel Co Integration Approach. *Renewable and Sustainable Energy Reviews*(10):1-9.
- Zhou X.L., Harrington R., Woiwod I.P., Perry J.N., Bale J.S. and Clark S.J., 1995. Effects of temperature on aphid phenology. *Global Change Biology* (1):303-313.