

## REFERENCES

- Abbasi, T., Tauseef, S. M., & Abbasi, S. A. (2012). *Biogas Energy*. Springer New York.  
<https://doi.org/10.1007/978-1-4614-1040-9>
- Aljandali, A., & Tatahi, M. (2018). *Economic and Financial Modelling with Eviews*. Springer.
- Amir, E., Hophmayer-Tokich, S., & Kurnani, T. B. A. (2016). Socio-economic considerations of converting food waste into biogas on a household level in indonesia: The case of the city of Bandung. *Recycling*, 1(1), 61–88. <https://doi.org/10.3390/recycling1010061>
- Ankamah, E. F., Dzamboe, D., Agbedor, P. M., Tottimeh, G., & Amoah, J. Y. (2017). Techno-economics of Biochar and Biogas viability in Ghana. In *International Journal of Technology and Management Research* (Vol. 2). [www.ktu.edu.gh/journal](http://www.ktu.edu.gh/journal)
- Bank Indonesia 7-day (Reverse) Repo Rate*. (2021). <https://www.bi.go.id/id/statistik/indikator/bi-7day-rr.aspx>
- Dahunsi, S. O., Adesulu-Dahunsi, A. T., & Izabere, J. O. (2019). Cleaner energy through liquefaction of Cocoa (theobroma cacao) pod husk: Pretreatment and process optimization. *Journal of Cleaner Production*, 226, 578–588.
- de Almeida, C., Bariccatti, R. A., Frare, L. M., Camargo Nogueira, C. E., Mondardo, A. A., Contini, L., Gomes, G. J., Rovaris, S. A., dos Santos, K. G., & Marques, F. (2017). Analysis of the socio-economic feasibility of the implementation of an agro-energy condominium in western Paraná – Brazil. *Renewable and Sustainable Energy Reviews*, 75, 601–608.  
<https://doi.org/10.1016/j.rser.2016.11.029>
- Dewan Energi Nasional*. (2020). Perhitungan Capaian Bauran Energi Primer.  
<https://den.go.id/index.php/dinamispage/index/925-perhitungan-capaian-bauran-energi-primer.html>
- Directorate of Food Crops, Horticulture, and E. C. S. (2020). *Indonesian Cocoa Statistics 2020* ( and E. C. S. Directorate of Food Crops, Horticulture (Ed.)). BPS-Statistics Indonesia.
- Efron, R. (2015). What is Perception? In *What is this thing called Philosophy?* (pp. 173–182). Routledge. <https://doi.org/10.4324/9780203771006-15>
- FAO. (2020). *Faostat*. <http://www.fao.org/faostat/en/#data/QC/visualize>
- Gabisa, E. W., & Gheewala, S. H. (2019). Potential, environmental, and socio-economic assessment of biogas production in Ethiopia: The case of Amhara regional state. *Biomass and Bioenergy*, 122, 446–456. <https://doi.org/10.1016/j.biombioe.2019.02.003>
- Gallo, A. (2014). *A Refresher on Net Present Value*. [www.business-literacy.com](http://www.business-literacy.com).
- Ganesh, S., & Cave, V. (2018). P-values, p-values everywhere! *New Zealand Veterinary Journal*, 66(2), 55–56. <https://doi.org/10.1080/00480169.2018.1415604>

- Garson, G. D. (2014). *Logistic Regression: Binary and Multinomial*. Asheboro, NC.
- Gebremariam, S. N., & Marchetti, J. M. (2018). Biodiesel production through sulfuric acid catalyzed transesterification of acidic oil: Techno economic feasibility of different process alternatives. *Energy Conversion and Management*, 174, 639–648.  
<https://doi.org/10.1016/j.enconman.2018.08.078>
- Gudono. (2017). *Analisis Data Multivariat, Edisi 4*. BPFE.
- Gujarati, D. N., & Porter, D. C. (2009). *Basic Econometrics, (Fifth Edition)*. McGraw Hill.
- Hermansyah, H., Fedrizal, F. F., Wijanarko, A., Sahlan, M., Utami, T. S., & Arbianti, R. (2020). *Biogas production from co-digestion of cocoa pod husk and cow manure with cow rumen fluid as inoculum*. 030027. <https://doi.org/10.1063/5.0017383>
- Herriot, S. R. (2015). *Feasibility Analysis for Sustainable Technologies: An Engineering-Economic Perspective*. Business Expert Press, LLC.
- Hilbe, J. M. (2009). *Logistic Regression Models*. CRC Press.
- Hosmer, D. W., Lemeshow, S., & Sturdivan, R. X. (2013). *Applied Logistic Regression*. John Wiley & Sons.
- IEA. (2019). Statistics. <https://www.iea.org/statistics/>
- Kirchherr, J., Reike, D., & Hekkert, M. (2017). Conceptualizing the circular economy: An analysis of 114 definitions. *Resources, Conservation and Recycling*, 127(September), 221–232. <https://doi.org/10.1016/j.resconrec.2017.09.005>
- Kiwelu, L., Damas, P., & Mpenda, Z. (2021). Factors Influencing Adoption of Improved Coffee Varieties Among Smallholder Farmers in Mbinga and Mbozi Districts. *International Journal of Agricultural Economics*, 6(1), 21–32. <https://doi.org/10.11648/j.ijae.20210601.13>
- Knoema. (2021). *Indonesia Inflation Rate, 1980-2020*.  
<https://knoema.com/atlas/Indonesia/Inflation-rate>
- Kontan. (2021). *Suku Bunga Deposito*. Koran Kontan.  
<https://pusatdata.kontan.co.id/bungadeposito>
- Langeveld, J. W. A., & Peterson, E. C. (2018). Feedstocks for biogas production: biogas and electricity generation potentials. In *Biogas* (pp. 35–49). Springer, Cham.  
[https://doi.org/https://doi.org/10.1007/978-3-319-77335-3\\_2](https://doi.org/https://doi.org/10.1007/978-3-319-77335-3_2)
- Lu, F., Rodriguez-Garcia, J., Van Damme, I., Westwood, N. J., Shaw, L., Robinson, J. S., Warren, G., Chatzifragkou, A., McQueen Mason, S., Gomez, L., Faas, L., Balcombe, K., Srinivasan, C., Picchioni, F., Hadley, P., & Charalampopoulos, D. (2018). Valorisation strategies for cocoa pod husk and its fractions. *Current Opinion in Green and Sustainable Chemistry*, 14, 80–88. <https://doi.org/10.1016/j.cogsc.2018.07.007>

- Lund, P. D., Byrne, J., Berndes, G., & Vasalos, I. (2015). *Advances in bioenergy: The sustainability challenge*. John Wiley & Sons.
- Maleka, D. (2016). *Assessment of the implementation of alternative process technologies for rural heat and power production from cocoa pod husks*.
- Mandley, S. J., Daioglou, V., Junginger, H. M., van Vuuren, D. P., & Wicke, B. (2020). EU bioenergy development to 2050. *Renewable and Sustainable Energy Reviews*, 127.
- McFadden, D. (2021). *Quantitative methods for analysing travel behaviour of individuals: some recent developments*. Routledge.
- Meijer, S. S., Catacutan, D., Ajayi, O. C., Sileshi, G. W., & Nieuwenhuis, M. (2015). The role of knowledge, attitudes and perceptions in the uptake of agricultural and agroforestry innovations among smallholder farmers in sub-Saharan Africa. *International Journal of Agricultural Sustainability*, 13(1), 40–54. <https://doi.org/10.1080/14735903.2014.912493>
- Mingchai, C., & Sangmanee, P. (2012). Decision Process for Adoption of Biogas Technology for the Sustainable Development in Uttaradit Province, Thailand. *World Applied Sciences Journal*, 19(5), 699–703. <https://doi.org/10.5829/idosi.wasj.2012.19.05.158>
- Mshandete, A. M., & Parawira, W. (2009). Biogas technology research in selected sub-saharan African countries - A review. *African Journal of Biotechnology*, 8(2), 116–125. <https://doi.org/10.4314/ajb.v8i2.59749>
- Myers, D. H. (2020). Sustainability in Business. In *Sustainability in Business*. Springer International Publishing. <https://doi.org/10.1007/978-3-319-96604-5>
- Olson, K. D. (2011). *Economics of Farm Management in a Global Setting*. Wiley.
- Otara, A. (2011). Perception: A Guide for Managers and Leaders. *Journal of Management and Strategy*, 2(3), 21–24. <https://doi.org/10.5430/jms.v2n3p21>
- Perman, R., Ma, Y., McGilvray, J., & Common, M. (2003). *Natural Resource and Environmental Economics*. Pearson.
- Pomerantz, J. R. (2006). *Perception: Overview*. *Encyclopedia of Cognitive Science*. 1–11.
- Poudel, R. C. (2018). *Small Scale Biogas Production* (pp. 437–448). [https://doi.org/10.1007/978-3-319-77335-3\\_17](https://doi.org/10.1007/978-3-319-77335-3_17)
- Putra, A. R. S., Pedersen, S. M., & Liu, Z. (2019). Biogas diffusion among small scale farmers in Indonesia: An application of duration analysis. *Land Use Policy*, 86, 399–405. <https://doi.org/10.1016/j.landusepol.2019.05.035>
- Rao, K. S., & Ramakrishna, A. (2015). Cost estimation analysis of biodiesel production from waste chicken fat. *International Journal of Applied Engineering Research*, 10(4), 8863–8870.

- Ritchie, H., & Roser, M. (2020). *Energy*. <https://ourworldindata.org/energy>
- Rogers, E. M. (2010). *Diffusion of Innovations*. Simon and Schuster.
- Santander, C., Robles, P. A., Cisternas, L. A., & Rivas, M. (2014). Technical-economic feasibility study of the installation of biodiesel from microalgae crops in the Atacama Desert of Chile. *Fuel Processing Technology*, *125*, 267–276.  
<https://doi.org/10.1016/j.fuproc.2014.03.038>
- Sanusi, A. (2011). *Metodologi Penelitian Bisnis*. Salemba Empat.
- Sarker, S. A., Wang, S., Adnan, K. M. M., & Sattar, M. N. (2020). Economic feasibility and determinants of biogas technology adoption: Evidence from Bangladesh. *Renewable and Sustainable Energy Reviews*, *123*, 109766. <https://doi.org/10.1016/j.rser.2020.109766>
- Silveira, S., Harahap, F., & Khatiwada, D. (2018). No Title. In *Sustainable Bioenergy Development in Indonesia-Summary for Policy Makers*.
- Skarlis, S., Kondili, E., & Kaldellis, J. K. (2012). Small-scale biodiesel production economics: A case study focus on Crete Island. *Journal of Cleaner Production*, *20*(1), 20–26.  
<https://doi.org/10.1016/j.jclepro.2011.08.011>
- Sorapipatana, C., & Yoosin, S. (2011). Life cycle cost of ethanol production from cassava in Thailand. In *Renewable and Sustainable Energy Reviews* (Vol. 15, Issue 2, pp. 1343–1349). <https://doi.org/10.1016/j.rser.2010.10.013>
- Spellman, F. R. (2016). The Science of Renewable Energy. In *The Science of Renewable Energy*. CRC Press. <https://doi.org/10.1201/b21643>
- Tabatabaei, M., & Ghanavati, H. (Eds.). (2018). *Biogas* (Vol. 6, Issue October). Springer International Publishing. <https://doi.org/10.1007/978-3-319-77335-3>
- Taylor, R., Devisscher, T., Silaenb, M., Yuwono, Y., & Ismail, C. (2019). *Risks, barriers and responses to Indonesia's biogas development*. Stockholm Environment Institute.
- Usman, E. (2020). Bauran Energi Nasional 2020. *Sekretariat Jenderal Dewan Energi Nasional*.
- Velenturf, A. P. M., & Purnell, P. (2021). Principles for a sustainable circular economy. In *Sustainable Production and Consumption* (Vol. 27, pp. 1437–1457). Elsevier B.V.  
<https://doi.org/10.1016/j.spc.2021.02.018>
- Walekhwa, Peter N., Mugisha, J., & Drake, L. (2009). Biogas energy from family-sized digesters in Uganda: Critical factors and policy implications. *Energy Policy*, *37*(7), 2754–2762.  
<https://doi.org/10.1016/j.enpol.2009.03.018>
- Walekhwa, Peter Nabusi, Lars, D., & Mugisha, J. (2014). Economic viability of biogas energy production from family-sized digesters in Uganda. *Biomass and Bioenergy*, *70*, 26–39.  
<https://doi.org/10.1016/j.biombioe.2014.03.008>

- Werner, U., Stohr, U., & Hees, N. (1989). *Biogas Plants in Animal Husbandry*. Vieweg and Sohn.
- Witjaksono, J. (2016). Cocoa Farming System in Indonesia and Its Sustainability Under Climate Change. *Agriculture, Forestry and Fisheries*, 5(5), 170.  
<https://doi.org/10.11648/j.aff.20160505.15>
- Wood, G. A. R., & Lass, R. A. (1986). *Cocoa* (4th ed.). Wiley-Blackwell.
- Wu, C. Z., Yin, X. L., Yuan, Z. H., Zhou, Z. Q., & Zhuang, X. S. (2010). The development of bioenergy technology in China. *Energy*, 35(11), 4445–4450.
- Yasar, A., Nazir, S., Tabinda, A. B., Nazar, M., Rasheed, R., & Afzaal, M. (2017). Socio-economic, health and agriculture benefits of rural household biogas plants in energy scarce developing countries: A case study from Pakistan. In *Renewable Energy* (Vol. 108, pp. 19–25). Elsevier Ltd. <https://doi.org/10.1016/j.renene.2017.02.044>