

- , 2019, Pengelolaan Sampah Terbaik di Dunia dari Swedia. Retrieved January 16, 2021, from <https://suneducationgroup.com/news-id/pengelolaan-sampah-terbaik-di-dunia-dari-swedia/>
- Aaker, J. L., 1997, Dimensions of brand personality. *Journal of Marketing Research*, **34**(3), 347–356.
- Abdallah, M., Abu Talib, M., Feroz, S., Nasir, Q., Abdalla, H., and Mahfood, B., 2020, Artificial intelligence applications in solid waste management: A systematic research review. *Waste Management*, **109**, 231–246.
- Abdallah, T., Diabat, A., and Rigter, J., 2013, Investigating the option of installing small scale PVs on facility rooftops in a green supply chain. *International Journal of Production Economics*, **146**(2), 465–477.
- Agrawal, S., Singh, R. K., and Murtaza, Q., 2016, Prioritizing critical success factors for reverse logistics implementation using fuzzy-TOPSIS methodology. *Journal of Industrial Engineering International*, **12**, 15–27.
- Ahn, T., Ryu, S., and Han, I., 2004, The impact of the online and offline features on the user acceptance of internet shopping malls. *Electronic Commerce Research and Applications*, **3**(4), 405–420.
- Ajzen, I., 1991, The theory of planned behavior. *Organizational Behavior and Human Decision Processes*, **50**(2), 179–211.
- Ajzen, I., 2002, Residual effects of past on later behavior: habituation and reasoned action perspectives. *Personality and Social Psychology Review*, **6**(2), 107–122.
- Ajzen, I. F., and Fishbein, M., 1980, *Understanding Attitude and Predicting Social Behavior*. Englewood Cliffs, NJ.
- Akdoğan, M. Ş., and Coşkun, A., 2012, Drivers of reverse logistics activities: An empirical investigation. *Procedia - Social and Behavioral Sciences*, **58**, 1640–1649.
- Aktaş, E., Özaydin, Ö., Bozkaya, B., Ülengin, F., and Önsel, Ş., 2013, Optimizing fire station locations for the Istanbul Metropolitan Municipality. *Interfaces*, **43**(3), 240–255.
- Alam, D., 2014, *Factors that Influence the decision when buying second-hand products*. Thesis, Departement of Marketing, Umeå School of Business and Economics
- Alam, M. F.-E., 2020, The influence of quality on consumers' purchase intention between local and multinational cosmetic firm. *Journal of International Business and Management*, **3**(1), 1–11.
- Alshamsi, A., and Diabat, A., 2017, A genetic algorithm for reverse logistics network design: A case study from the GCC. *Journal of Cleaner Production*, **151**, 652–669.
- Alumur, S. A., Nickel, S., Saldanha-Da-Gama, F., and Verter, V., 2012, Multi-period reverse logistics network design. *European Journal of Operational Research*, **220**(1), 67–78.
- Alvarado, S., Maldonado, P., Barrios, A., and Jaques, I., 2002, Long term energy-related enviromental issues of copper production. *Energy*, **27**(2), 183–196.
- Amron, A., 2018, Effects of product quality, price, and brand image on the buying decision of city car product. *Archives of Business Research*, **6**(4), 1–8.
- Andarani, P., and Goto, N., 2014, Potential e-waste generated from households in Indonesia using material flow analysis. *Journal of Material Cycles and Waste Management*, **16**(2), 306–320.
- Ando, A. W., and Gosselin, A. Y., 2005, Recycling in multifamily dwellings: Does convenience matter? *Economic Inquiry*, **43**(2), 426–438.

- Angouria-Tsorochidou, E., Cimpan, C., and Parajuly, K., 2018, Optimized collection of eol electronic products for circular economy: A techno-economic assessment. *Procedia CIRP*, **69**, 986–991.
- Antam, 2015, *Highlights Kinerja*. Retrieved from <https://cdn.indonesia-investments.com/bedrijfsprofiel/217/Aneka-Tambang-Antam-Annual-Report-2015-Indonesia-Investments.pdf>
- Ardente, F., Calero Pastor, M., Mathieux, F., and Talens Peiró, L., 2015, Analysis of end-of-life treatments of commercial refrigerating appliances: Bridging product and waste policies. *Resources, Conservation and Recycling*, **101**, 42–52.
- Arifani, V. M., and Haryanto, H., 2018, Purchase intention: Implementation theory of planned behavior (Study on reusable shopping bags in Solo City, Indonesia). *IOP Conference Series: Earth and Environmental Science*, **200**(1), 12–19.
- Arya, S., and Kumar, S., 2020, E-waste in India at a glance: Current trends, regulations, challenges and management strategies. *Journal of Cleaner Production*, **271**, 122707.
- Ayvaz, B., Bolat, B., and Aydin, N., 2015, Stochastic reverse logistics network design for waste of electrical and electronic equipment. *Resources, Conservation and Recycling*, **104**, 391–404.
- Bagozzi, R. P., and Yi, Y., 1990, Assessing method variance in multitrait-multimethod matrices: the case of self-reported affect and perceptions at work. *Journal of Applied Psychology*, **75**(5), 547–560.
- Bal, A., and Satoglu, S. I., 2018, A goal programming model for sustainable reverse logistics operations planning and an application. *Journal of Cleaner Production*, **201**, 1081–1091.
- Baldé, C. P., Forti, V., Gray, V., Kuehr, R., and Stegmann, P., 2017, *The Global E-waste Monitor 2017 Quantities, Flows, and Resources*. Retrieved from <https://collections.unu.edu/eserv/UNU:6341/Global-E-waste-Monitor-2017-electronic-single-pages.pdf>.
- Baldé, C., Wang, F., Kuehr, R., and Huisman, J., 2014, *E-Waste Monitor*. Retrieved from <http://i.unu.edu/media/unu.edu/news/52624/UNU-1stGlobal-E-Waste-Monitor-2014-small.pdf>
- Bamberg, S., 2003, How does environmental concern influence specific environmentally related behaviors? A new answer to an old question. *Journal of Environmental Psychology*, **23**(1), 21–32.
- Banguera, L. A., Sepúlveda, J. M., Ternero, R., Vargas, M., and Vásquez, Ó. C., 2018, Reverse logistics network design under extended producer responsibility: The case of out-of-use tires in the Gran Santiago city of Chile. *International Journal of Production Economics*, **205**, 193–200.
- Barker, R., 2010, On the definitions of income, expenses and profit in IFRS. *Accounting in Europe*, **7**(2), 147–158.
- Bashir, R., Lodhi, R. N., and Atif, M., 2016, Factor influencing the purchase intension of consumer while purchasing second-hand products in Pakistan. *Arabian Journal of Business and Management Review*, 1–4.
- Benyamin, A., Djuwita, R., and Ariyanto, A. A., 2018, Norm activation theory in the plastic age: Explaining children's pro-environmental behaviour. *E3S Web of Conferences*, **74**(12), 08008.
- Berman, O., Kalcsics, J., and Krass, D., 2016, On covering location problems on networks with edge demand. *Computers and Operations Research*, **74**, 214–227.
- Blass, V. D., Fujii, M., Neira, J., Favret, L., Mahdavi, S., Miller, R., and Geyer, R., 2008, End-of-life management of cell phones in the United States. Master's of Environmental Science and Management, University of California.

- Boeve-de Pauw, J., and Van Petegem, P., 2013, A cross-cultural study of environmental values and their effect on the environmental behavior of children. *Environment and Behavior*, **45**(5), 551–583.
- Borthakur, A., and Singh, P., 2012, Electronic waste in India: Problems and policies. *International Journal of Environmental Science*, **3**(1), 353–362.
- Bostel, N., Dejax, P., and Lu, Z., 2005, The design, planning, and optimization of reverse logistics networks. *Logistics systems: design and optimization*, 171–212.
- Botetzagias, I., Dima, A. F., and Malesios, C., 2015, Extending the theory of planned behavior in the context of recycling: The role of moral norms and of demographic predictors. *Resources, Conservation and Recycling*, **95**, 58–67.
- Bradley, R., Jawahir, I. S., Badurdeen, F., and Rouch, K., 2018, A total life cycle cost model (TLCCM) for the circular economy and its application to post-recovery resource allocation. *Resources, Conservation and Recycling*, **135**, 141–149.
- Brough, A. R., Wilkie, J. E. B., Ma, J., Isaac, M. S., and Gal, D., 2016, The green-feminine stereotype and its effect on sustainable consumption. *Journal of Consumer Research*, **43**(4), 567–582.
- Budijati, S. M., 2016, *Model pengelolaan reverse logistics jalur formal dan informal serta mengakomodasi perilaku konsumen*, Disertasi, Universitas Gadjah Mada.
- Chandra, V. V., Hemstock, S. L., Mwabonje, O. N., De Ramon N'Yeurt, A., and Woods, J., 2018, Life cycle assessment of sugarcane growing process in Fiji. *Sugar Tech*, **20**(6), 692–699.
- Chen, K., and Deng, T., 2016, Research on the green purchase intentions from the perspective of product knowledge. *Sustainability (Switzerland)*, **8**(9), 1-16.
- Chen, M. F., and Tung, P. J., 2014, Developing an extended theory of planned behavior model to predict consumers' intention to visit green hotels. *International Journal of Hospitality Management*, **36**, 221-230.
- Chen, S. C., and Hung, C. W., 2016, Elucidating the factors influencing the acceptance of green products: An extension of theory of planned behavior. *Technological Forecasting and Social Change*, **112**(C), 155-163.
- Chileshe, N., Rameezdeen, R., Hosseini, M. R., Martek, I., Li, H. X., and Panjehbashi-Aghdam, P., 2018, Factors driving the implementation of reverse logistics: A quantified model for the construction industry. *Waste Management*, **79**, 48-57
- Chin, W. W., 1998, The partial least squares approach to structural equation modeling. *Modern methods for business research*, **295**(2), 295–336.
- Chin, W. W., 2010, *Handbook of Partial Least Squares: Concepts, Methods and Applications*, Springer.
- Chiou, C. Y., Chen, H. C., Yu, C. T., and Yeh, C. Y., 2012, Consideration factors of reverse logistics implementation - a case study of Taiwan's electronics industry. *Procedia - Social and Behavioral Sciences*, **40**, 375-381
- Cohen, J., 1988, *Statistical power analysis for the behavioural sciences*. Hillsdale, NJ: Laurence Erlbaum Associates. Inc.
- computercare.net, 2019, Your Phone's Lifespan is Five Years – Here's How to Keep it Going! Retrieved November 21, 2021, from <https://computercare.net/2019/12/your-phones-lifespan-is-five-years-heres-how-to-keep-it-going/>
- Coşkun, A., and Yetkin Özbük, R. M., 2020, What influences consumer food waste behavior in restaurants? An application of the extended theory of planned behavior. *Waste Management*, **117**, 170–178.
- Cossu, R., and Masi, S., 2013, Re-thinking incentives and penalties: Economic aspects of waste management in Italy. *Waste Management*, **33**(11), 2541–2547.
- Dagher, G. K., Itani, O., and Kassar, A. N., 2015, The impact of environment concern

- and attitude on green purchasing behavior: Gender as the moderator. *Contemporary Management Research*, **11**(2), 179–206.
- Dai, Z., and Zheng, X., 2015, Design of close-loop supply chain network under uncertainty using hybrid genetic algorithm: A fuzzy and chance-constrained programming model. *Computers and Industrial Engineering*, **88**, 444–457.
- Dat, L. Q., Truc Linh, D. T., Chou, S. Y., and Yu, V. F., 2012, Optimizing reverse logistic costs for recycling end-of-life electrical and electronic products. *Expert Systems with Applications*, **39**(7), 6380–6387.
- Davis, J., 2010, Marketing secondhand goods in late medieval England. *Journal of Historical Research in Marketing*, **2**(3).
- de Brito, M. P., and Dekker, R., 2003, Modelling product returns in inventory control - Exploring the validity of general assumptions. *International Journal of Production Economics*, **81**, 225–241.
- de Brito, M. P., and Dekker, R., 2004, A framework for reverse logistics. *Reverse Logistics*, 1–25.
- Diabat, A., Kannan, D., Kaliyan, M., and Svetinovic, D., 2013, An optimization model for product returns using genetic algorithms and artificial immune system. *Resources, Conservation and Recycling*, **74**, 156–169.
- Dinas Pekerjaan Umum, 2005, Estimation of Operational Cost on Vehicles, 008., Retrieved from <https://binamarga.pu.go.id/uploads/files/773/pedoman-perhitungan-biaya-operasi-kendaraan-bagian-i-biaya-tidak-tetap-running-cost.pdf>
- Doan, L. T. T., Amer, Y., Lee, S. H., Phuc, P. N. K., and Dat, L. Q., 2019, A comprehensive reverse supply chain model using an interactive fuzzy approach – A case study on the Vietnamese electronics industry. *Applied Mathematical Modelling*, **76**, 87–108.
- Dunlap, R. E., and Jones, R. E., 2002, Environmental Concern: Conceptual and Measurement Issues. *Handbook of Environmental Sociology*, **56**(3), 425–442.
- Dursun, İ., Tümer Kabadayı, E., and Tuğer, A. T., 2017, Application of value-belief-norm theory to responsible post consumption behaviors: Recycling and reuse. *International Congress of the New Approaches and Technologies for Sustainable Development, Proceeding Book*.
- Dutta, P., Mishra, A., Khandelwal, S., and Katthawala, I., 2020, A multiobjective optimization model for sustainable reverse logistics in Indian E-commerce market. *Journal of Cleaner Production*, **49**, 119348.
- Dyckhoff, H., Lackes, R., and Reese, J., 2013, *Supply chain management and reverse logistics*. Springer Science & Business Media.
- Ecoinvent, 2016, Ecoinvent.
- Ertz, M., Karakas, F., and Sarigöllü, E., 2016, Exploring pro-environmental behaviors of consumers: An analysis of contextual factors, attitude, and behaviors. *Journal of Business Research*, **60**(10), 3971–3980.
- Fang, W. T., Chiang, Y. Te, Ng, E., and Lo, J. C., 2019, Using the norm activation model to predict the pro-environmental behaviors of public servants at the central and local governments in Taiwan. *Sustainability*, **11**(13).
- Fathonah, C. A., and Linarti, U., 2019, Penentuan Open/closed fasilitas tempat pembuangan sampah dengan mempertimbangkan design fasilitas dan sarana pendidikan formal. *Limits: Journal of Mathematics and Its Applications*, **16**(1), 27–38.
- Firdaus, A. H. F., and Santoso, 2020, *Sistem Bahan Bakar Motor Diesel*. Malang: Polinema Press.
- Foster, B., and Johansyah, M. D., 2019, The effect of product quality and price on buying

- interest with risk as intervening variables (study on Lazada.com site users). *International Journal of Innovation, Creativity and Change*, **9**(2), 66–78.
- Garson, G. D., 2016, *Partial least squares. Regression and structural equation models*. Statistical Publishing Associates.
- Geyer, R., and Blass, V. D., 2010, The economics of cell phone reuse and recycling. *International Journal of Advanced Manufacturing Technology*, **47**(5–8), 515–525.
- Ghazali, E. M., Nguyen, B., Mutum, D. S., and Yap, S.-F., 2019, Pro-environmental behaviours and value-belief-norm theory: Assessing unobserved heterogeneity of two ethnic groups. *Sustainability*, **11**(12).
- Ghozali, I., 2005, *Analisis Multivariate dengan program SPSS*. Badan Penerbit Universitas Diponegoro, Semarang.
- Ghozali, I., 2008, *Structural Equation Modeling: Metode Alternatif dengan Partial Least Square (PLS)*. Badan Penerbit Universitas Diponegoro, Semarang.
- Ghozali, I., 2011, *Analisis Multivariate dengan program IBM SPSS 19*. Badan Penerbit Fakultas Ekonomi Universitas Diponegoro, Semarang.
- Ghozali, I., and Latan, H., 2015, *Konsep, teknik, aplikasi menggunakan Smart PLS 3.0 untuk penelitian empiris*. Badan Penerbit Fakultas Ekonomi Universitas Diponegoro, Semarang.
- Gomes, M. I., Barbosa-Povoa, A. P., and Novais, A. Q., 2011, Modelling a recovery network for WEEE: A case study in Portugal. *Waste Management*, **31**(7), 1645–1660.
- Govindan, K., Paam, P., and Abtahi, A. R., 2016, A fuzzy multi-objective optimization model for sustainable reverse logistics network design. *Ecological Indicators*, **67**, 753–768.
- Guide, V. D. R., Harrison, T. P., and Van Wassenhove, L. N., 2003, The challenge of closed-loop supply chains. *Interfaces*, **33**(6), 3–6.
- Gujarati, D. N., 2003, *Basic Econometrics fourth edition*, McGraw-Hill. New York.
- Gunantara, N., 2018, *Teknik Optimasi*. Udayana University Press, Denpasar.
- Gurita, N., and Bongaerts, J. C., 2016, Cost-benefit analysis of WEEE recycling in Germany-case study of mobile phones and smartphones. *Proceedings of the 12th Euro-Asia Conference on Environment and CSR: Tourism, Society and Education Session*, 140–148.
- Guvendik, M., 2014, *From Smartphone to Futurephone: Assessing the Environmental Impacts of Different Circular Economy Scenarios of a Smartphone Using LCA*. Master Thesis, Industrial Ecology at Delft University of Technology and Leiden University. Retrieved from <http://resolver.tudelft.nl/uuid:13c85c95-cf75-43d2-bb61-ee8cf0acf4ff>
- Hagelucken, C., 2007, *Metals Recovery from e-scrap in a global environment*, 6th session of OEWG Basel Convention, Genewa, 7 September 2007.
- Hagelucken C., 2006, Improving metal returns and eco-efficiency in electronics recycling. *Proceedings of the 2006 IEEE conference*, 218–223. Retrieved from <http://scholar.google.com/scholar?hl=en&btnG=Search&q=intitle:Improving+metal+returns+and+eco-efficiency+in+electronics+recycling+-#0>
- Hagelücken, C., 2005, Recycling of electronic scrap at Umicore's integrated metals smelter and refinery. *Proceedings - European Metallurgical Conference, EMC 2005*, **1**, 307–323.
- Hair Jr, J. F., Black, W. C., Babin, B. J., and Anderson, R. E., 2010, *Multivariate Data Analysis (7th edition)*: Pearson Education Inc. New Jersey, USA.
- Halim, L., and Suharyanti, Y., 2019, E-waste: current research and future perspective on developing countries. *International Journal of Industrial Engineering and*

- Halldorsson, A., Kotzab, H., Mikkola, J. H., and Skjøtt-Larsen, T., 2007, Complementary theories to supply chain management. *Supply chain management: An international journal*, **12**(4), 284-296.
- Han, H., 2014, The norm activation model and theory-broadening: Individuals' decision-making on environmentally-responsible convention attendance. *Journal of Environmental Psychology*, **40**, 462-471.
- Han, H., Hsu, L. T. (Jane), and Sheu, C., 2010, Application of the Theory of Planned Behavior to green hotel choice: Testing the effect of environmental friendly activities. *Tourism Management*, **121**(C), 461-475 .
- Han, H., Hwang, J., and Lee, M. J., 2017, The value-belief-motion-norm model: investigating customers' eco-friendly behavior. *Journal of Travel and Tourism Marketing*, **34**(5), 590-607.
- Hanisah, K., Kumar, S., and Tajul, A., 2013, The management of waste cooking oil: a preliminary survey. *Health and the Environment Journal*, **4**(1), 76-81.
- Hartini, S., Puspitasari, D., Roudhatul Aisy, N., and Widharto, Y., 2020, Eco-efficiency level of production process of waste cooking oil to be biodiesel with life cycle assessment. *E3S Web of Conferences*, **202**, 1-9.
- Hartini, S., Puspitasari, D., and Utami, A. A., 2021, Design of waste cooking oil collection center in Semarang City using maximal covering location problem: A finding from Semarang, Indonesia. *IOP Conference Series: Earth and Environmental Science*, **623**(1),
- Hassuani, S. J., Leal, M. R. L. V., and de Carvalho Macedo, I., 2005, *Biomass power generation: sugar cane bagasse and trash*. CTC.
- Hazen, B. T., Hall, D. J., and Hanna, J. B., 2012, Reverse logistics disposition decision-making: Developing a decision framework via content analysis. *International Journal of Physical Distribution and Logistics Management*.
- Henseler, J., Ringle, C. M., and Sinkovics, R. R., 2009, *The Use of Partial Least Squares Path Modeling in International Marketing. New Challenges to International Marketing*. Emerald Group Publishing Limited.
- Hillier, J., and Lieberman, G., 2010, *Introduction to Operations Research*, McGraw-Hill International Edition, New York.
- Hiratsuka, J., Perlaviciute, G., and Steg, L., 2018, Testing VBN theory in Japan: Relationships between values, beliefs, norms, and acceptability and expected effects of a car pricing policy. *Transportation Research Part F: Traffic Psychology and Behaviour*, **53**, 74-83.
- Hischier, R., Classen, M., Lehmann, M., and Scharnhorst, W., 2007, Swiss Centre for Life Cycle inventories (Ecoinvent v2.0): Part II: Modules. *Swiss Centre for Life Cycle inventories (Ecoinvent v2.0)*, 18, 116.
- Hoyle, R. H., 1995, *Structural equation modeling: Concepts, issues, and applications*. Sage.
- Huijbregts, M., Steinmann, Z. J. N., Elshout, P. M. F. M., Stam, G., Verones, F., Vieira, M. D. M., Zijp, M., and van Zelm, R., 2016, ReCiPe 2016 - A harmonized life cycle impact assessment method at midpoint and endpoint level. Report I: Characterization. *National Institute for Public Health and the Environment*, 194. Retrieved from <https://www.rivm.nl/bibliotheek/rapporten/2016-0104.pdf>
- Idayani, D., Puspitasari, Y., and Sari, L. D. K., 2020, Penggunaan model set covering problem dalam penentuan lokasi dan jumlah pos pemadam kebakaran. *Jurnal Ilmiah Soulmath : Jurnal Edukasi Pendidikan Matematika*, **8**(2), 139-152.
- Imaningsih, E. S., 2018, The model of product quality, promotion, price, and purchase

- decisions. *Jurnal Ekonomi*, **23**(2), 260–271.
- Indrianti, N., and Rustikasari, A. G., 2010, A reverse logistics model for battery recycling industry, *The 11th Asia Pacific Industrial Engineering and Management Systems Conference*, Melaka, 7–10 December 2010.
- Jaya, I., and Sumertajaya, I. M., 2008, Pemodelan persamaan struktural dengan partial least square. *Semnas Matematika dan Pendidikan Matematika*, **1**, 118–132.
- Jayant, A., and Azhar, M., 2014, Analysis of the barriers for implementing green supply chain management (GSCM) practices: An interpretive structural modeling (ISM) approach. *Procedia Engineering*, **97**, 2157–2166.
- Jeko, I. R., 2019, Jumlah Sampah Elektronik Bakal Bertambah Hingga 52 Juta Ton pada 2021, *Liputan 6*, Retrieved from <https://www.liputan6.com/tekno/read/3947173/jumlah-sampah-elektronik-bakal-bertambah-hingga-52-juta-ton-pada-2021> diakses 31 Maret 2020.
- Jiang, L., Zhang, J., Wang, H. H., Zhang, L., and He, K., 2018, The impact of psychological factors on farmers' intentions to reuse agricultural biomass waste for carbon emission abatement. *Journal of Cleaner Production*, **189**, 797–804.
- Jiang, P., Fan, Y. Van, Zhou, J., Zheng, M., Liu, X., and Klemeš, J. J., 2020, Data-driven analytical framework for waste-dumping behaviour analysis to facilitate policy regulations. *Waste Management*, **103**, 285–295.
- Jianquan, G., Jiang, F., and Gen, M., 2018, Dynamic joint construction and optimal strategy of multi-objective multi-period multi-stage reverse logistics network: A case study of lead battery in Shanghai. *Procedia Manufacturing*, **17**, 1171–1178.
- Joanes, T., 2019, Personal norms in a globalized world: Norm-activation processes and reduced clothing consumption. *Journal of Cleaner Production*, **212**, 941–949.
- John, S. T., Sridharan, R., Ram Kumar, P. N., and Krishnamoorthy, M., 2018, Multi-period reverse logistics network design for used refrigerators. *Applied Mathematical Modelling*, **54**, 311–331.
- Katz-Gerro, T., Greenspan, I., Handy, F., and Lee, H. Y., 2017, The relationship between value types and environmental behaviour in four countries: Universalism, benevolence, conformity and biospheric values revisited. *Environmental Values*, **26**(2), 223–249.
- Keisaku, H., and Mai, N. N., 2015, Demand for secondhand goods and consumers' preference in developing countries: An analysis using the field experimental data of vietnamese consumers demand for secondhand goods and consumers' preference in developing countries. *RIETI Discussion Paper Series*, 15–135. Retrieved from <http://www.rieti.go.jp/en/>
- Kementerian Lingkungan Hidup, 2021, *Pengelolaan Limbah B3 Limbah Elektronik*.
- Keyvanshokoo, E., Fattahi, M., Seyed-Hosseini, S. M., and Tavakkoli-Moghaddam, R., 2013, A dynamic pricing approach for returned products in integrated forward/reverse logistics network design. *Applied Mathematical Modelling*, **37**(24), 10182–10202.
- Khan, A. A., and Agrawala, H., 2016, A comparative study of nearest neighbour algorithm and genetic algorithm in solving travelling salesman problem. *International Research Journal of Engineering and Technology*, **3**(5).
- Khan, F., Ahmed, W., and Najmi, A., 2019, Understanding consumers' behavior intentions towards dealing with the plastic waste: Perspective of a developing country. *Resources, Conservation and Recycling*, **142**, 49–58.
- Khetriwal, D. S., Kraeuchi, P., and Widmer, R., 2009, Producer responsibility for e-waste management: Key issues for consideration - Learning from the Swiss experience. *Journal of Environmental Management*, **90**(1), 153–165.

- Kim, S. H., and Seock, Y. K., 2019, The roles of values and social norm on personal norms and pro-environmentally friendly apparel product purchasing behavior: The mediating role of personal norms. *Journal of Retailing and Consumer Services*, **51**, 83–90.
- Kim, S., Jeong, S. H., and Hwang, Y., 2013, Predictors of pro-environmental behaviors of American and Korean students: The application of the theory of reasoned action and protection motivation theory. *Science Communication*, **35**(2), 168–188.
- Kim, T. H., and Chae, C. U., 2016, Environmental impact analysis of acidification and eutrophication due to emissions from the production of concrete. *Sustainability (Switzerland)*, **8**(6), 1–20.
- Kim, Y., and Han, H., 2010, Intention to pay conventional-hotel prices at a green hotel - a modification of the theory of planned behavior. *Journal of Sustainable Tourism*, **18**(8), 997-1014
- Kinobe, J. R., Gebresenbet, G., Niwagaba, C. B., and Vinnerås, B., 2015, Reverse logistics system and recycling potential at a landfill: A case study from Kampala City. *Waste Management*, **42**, 82-92.
- Kline, R. B., 2011, *Principles and Practice of Structural Equation Modeling*, 3rd edn Guilford Press. New York.
- Kotler, P., Armstrong, G., Ang, S. H., Leong, S. M., Tan, C. T., and Ho-Ming, O., 2012, *Principles of marketing: An Asian perspective*. Pearson/Prentice-Hall.
- Kotler, P., and Keller, K., 2011, *Marketing management 14th edition*. Prentice Hall.
- Kumar, U., and Singh, D. D. N., 2013, E-waste management through regulations. *International Journal of Engineering Inventions*, **3**(2), 6–14.
- Kuşakcı, A. O., Ayvaz, B., Cin, E., and Aydın, N., 2019, Optimization of reverse logistics network of end of life vehicles under fuzzy supply: A case study for Istanbul Metropolitan Area. *Journal of Cleaner Production*, **215**, 1036–1051.
- Lambert, S., Riopel, D., and Abdul-Kader, W., 2011, A reverse logistics decisions conceptual framework. *Computers and Industrial Engineering*, **61**(3), 561-581
- Lange, B. P., Schwarz, S., Zaretsky, E., and Euler, H. A., 2014, Sounding hot? experimental research on verbal proficiency as a menstrual cycle-dependent female mate choice criterion. *Acta Linguistica*, **8**(3), 133-139.
- Latif, S. A., Omar, M. S., Bidin, Y. H., and Awang, Z., 2012, Environmental values as a predictor of recycling behaviour in urban areas: A comparative study. *Procedia-Social and Behavioral Sciences*, **50**, 989–996.
- Lauper, E., Moser, S., Fischer, M., and Matthies, E., 2014, Explaining car drivers' intention to prevent road-traffic noise: An application of the norm activation model. *Environment and Behavior*, **48**(6), 826–853.
- Li, B., Yang, J., Song, X., and Lu, B., 2012, Survey on disposal behaviour and awareness of mobile phones in Chinese university students. *Procedia Environmental Sciences*, **16**, 469–476.
- Li, Y., Ma, Z., Zheng, S., Zhou, Z., Zhao, Y., and Zhou, C., 2011, Signaling pathway reconstruction based on the statistical models. *Information-An International Interdisciplinary Journal*, **14**(2), 323–332.
- Liao, T. Y., 2018, Reverse logistics network design for product recovery and remanufacturing. *Applied Mathematical Modelling*, **60**, 145–163.
- Lind, H. B., Nordfjærn, T., Jørgensen, S. H., and Rundmo, T., 2015, The value-belief-norm theory, personal norms and sustainable travel mode choice in urban areas. *Journal of Environmental Psychology*, **44**, 119–125.
- Liobikiene, G., Mandravickaite, J., and Bernatoniene, J., 2016, Theory of planned behavior approach to understand the green purchasing behavior in the EU: A cross-

- cultural study. *Ecological Economics*, **125**, 38–46.
- Liobikiene, G., and Poškus, M. S., 2019, The importance of environmental knowledge for private and public sphere pro-environmental behavior: Modifying the value-belief-norm theory. *Sustainability*, **11**(12).
- Liu, J., Yi, Y., and Wang, X., 2020, Exploring factors influencing construction waste reduction: A structural equation modeling approach. *Journal of Cleaner Production*, **276**, 123185.
- Liu, W., Tian, J., Chen, L., and Guo, Y., 2017a, Temporal and spatial characteristics of lead emissions from the lead-acid battery manufacturing industry in China. *Environmental Pollution*, **220**, 696–703.
- Liu, Y., Sheng, H., Mundorf, N., Redding, C., and Ye, Y., 2017b, Integrating norm activation model and theory of planned behavior to understand sustainable transport behavior: Evidence from China. *International Journal of Environmental Research and Public Health*, **14**(12), 1593
- Lumembang, M. C., 2016, *Dampak Pertambangan Terhadap Lingkungan*. Retrieved March 4, 2019, from https://www.academia.edu/11635720/Dampak_Pertambangan_Terdahap_Lingkungan.
- Ma, J., and Okudan Kremer, G. E., 2015, A fuzzy logic-based approach to determine product component end-of-life option from the views of sustainability and designer's perception. *Journal of Cleaner Production*, **108**, 289–300.
- Macovei, O.-I., 2015, Applying the Theory of planned behavior in predicting pro-environmental behavior: The case of energy conservation. *Acta Universitatis Danubius. (Economica)*, **11**(4).
- Mah, C. M., Fujiwara, T., and Ho, C. S., 2018, Life cycle assessment and life cycle costing toward eco-efficiency concrete waste management in Malaysia. *Journal of Cleaner Production*, **172**, 3415–3427.
- Maichum, K., Parichatnon, S., and Peng, K. C., 2016, Application of the extended theory of planned behavior model to investigate purchase intention of green products among Thai consumers. *Sustainability (Switzerland)*, **8**(10), 1–20.
- Mak, T. M. W., Yu, I. K. M., Wang, L., Hsu, S. C., Tsang, D. C. W., Li, C. N., Yeung, T. L. Y., Zhang, R., and Poon, C. S., 2019, Extended theory of planned behaviour for promoting construction waste recycling in Hong Kong. *Waste Management*, **83**, 161–170.
- Malaidji, E., Anshariah, and Budiman, A. A., 2018, analisis proksimat, sulfur, dan nilai kalor dalam penentuan kualitas batubara di desa Pattappa kecamatan Pujananting kabupaten Barru provinsi Sulawesi Selatan. *Jurnal Geomine*, **6**(3), 131–137.
- Malhotra, N. K., Kim, S. S., and Patil, A., 2006, Common method variance in IS research: A comparison of alternative approaches and a reanalysis of past research. *Management science*, **52**(12), 1865–1883.
- Mancha, R. M., and Yoder, C. Y., 2015, Cultural antecedents of green behavioral intent: An environmental theory of planned behavior. *Journal of Environmental Psychology*, **43**, 145–154.
- Mangla, S. K., Govindan, K., and Luthra, S., 2016, Critical success factors for reverse logistics in Indian industries: A structural model. *Journal of Cleaner Production*, **129**, 608–621
- Manik, D. R., Lumbantoruan, R. S., and Nasution, A. A., 2019, Faktor pendorong dan penghambat penerapan green supply chain management. *Talenta Conference Series: Energy and Engineering (EE)*, **2**, 320–323.
- Mattsson, J., 2012, *Life Cycle Impact Assessment – A Study of The EPS Method for Use within SCA*, Thesis, Department of Energy and Environment Division of

- Medrilzam, Putri, A. P., Amalia, A., Rahmadita, K., Putri, D. E., and Gilbert, A., 2021, *Manfaat Ekonomi, Sosial, dan Lingkungan dari Ekonomi Sirkular di Indonesia*. Bappenas, Jakarta.
- Messmann, L., Helbig, C., Thorenz, A., and Tuma, A., 2019, Economic and environmental benefits of recovery networks for WEEE in Europe. *Journal of Cleaner Production*, **222**, 655–668.
- Meyer, A., 2015, Does education increase pro-environmental behavior? Evidence from Europe. *Ecological economics*, **116**, 108–121.
- Mirjalili, S., 2016, SCA: A sine cosine algorithm for solving optimization problems. *Knowledge-based systems*, **96**, 120–133.
- Mirjalili, S., Mirjalili, S. M., and Lewis, A., 2014, Grey wolf optimizer. *Advances in engineering software*, **69**, 46–61.
- Mishra, S. B., and Alok, S., 2017, *Handbook of Research Methodology*. Educreation Publishing, India
- Mizobuchi, K., and Takeuchi, K., 2013, The influences of financial and non-financial factors on energy-saving behaviour: A field experiment in Japan. *Energy Policy*. **63**, 775-787
- Møller, M., Haustein, S., and Bohlbro, M. S., 2018, Adolescents' associations between travel behaviour and environmental impact: A qualitative study based on the norm-activation model. *Travel Behaviour and Society*, **11**, 69–77.
- Moltó, J., Egea, S., Conesa, J. A., and Font, R., 2011, Thermal decomposition of electronic wastes: Mobile phone case and other parts. *Waste Management*, **31**(12), 2546–2552.
- Monahan, J., and Powell, J. C., 2011, An embodied carbon and energy analysis of modern methods of construction in housing: A case study using a lifecycle assessment framework. *Energy and Buildings*, **43**(1), 179–188.
- Muliasari, D., 2019, the effect of product price and product quality on purchasing decisions for samsung brand handphones among STIE AAS Surakarta students. *Internation Journal of Economic, Business and Accounting Research*, **3**(4), 501–506.
- Murdapa, P., 2020, The Effect of Price, Product Design, Product Quality and Brand Image on Purchase Decisions. In *EBGC 2019: Proceedings of the 2nd International Conference on Economics, Business, and Government Challenges, EBGC 2019, 3 October, UPN" Veteran" East Java, Surabaya, Indonesia* (p. 74). European Alliance for Innovation.
- Murray, A. T., 2016, Maximal coverage location problem: Impacts, significance, and evolution. *International Regional Science Review*, **39**(1), 5–27.
- Mwanza, B. G., Mbohwa, C., and Telukdarie, A., 2017, Drivers of reverse logistics in the plastic industry: Producer's perspective. *Proceedings of the International Conference on Industrial Engineering and Operations Management*, 1037 - 1045.
- Nadlifatin, R., Lin, S. C., Rachmaniati, Y. P., Persada, S. F., and Razif, M., 2016, A pro-environmental reasoned action model for measuring citizens' intentions regarding ecolabel product usage. *Sustainability*, **8**(11).
- Nadlifatin, R., Razif, M., Lin, S.-C., Persada, S. F., and Belgiawan, P. F., 2015, An Assessment model of Indonesian citizens' intention to participate on environmental impact assessment (eia): A behavioral perspective. *Procedia Environmental Sciences*.
- Nathania, L., 2016, Swedia Negara yang Telah Berhasil Mendaur Ulang 99% Sampahnya. *Intisari Online*. Retrieved from

- Navazo, J. M. V., Méndez, G. V., and Peiró, L. T., 2014, Material flow analysis and energy requirements of mobile phone material recovery processes. *International Journal of Life Cycle Assessment*, **19**(3), 567–579.
- Nguyen, H. V., Nguyen, N., Nguyen, B. K., and Greenland, S., 2021, Sustainable food consumption: Investigating organic meat purchase intention by vietnamese consumers. *Sustainability*, **13**(2), 1–15.
- Nguyen, N., and Johnson, L. W., 2020, Consumer behaviour and environmental sustainability. *Journal of Consumer Behaviour*, **19**(6), 539–541.
- Nguyen, T. L. T., and Gheewala, S. H., 2008, Life cycle assessment of fuel ethanol from cane molasses in Thailand. *International Journal of Life Cycle Assessment*, **13**(4), 301–311.
- Nguyen, T. N., Lobo, A., and Greenland, S., 2017, Energy efficient household appliances in emerging markets: the influence of consumers' values and knowledge on their attitudes and purchase behaviour. *International Journal of Consumer Studies*. **41**(2), 167-177.
- Nguyen, T. T. P., Zhu, D., and Le, N. P., 2015, Factors influencing waste separation intention of residential households in a developing country: Evidence from Hanoi, Vietnam. *Habitat International*, **48**, 169–176.
- Noor, R. T., and Soewondo, P., 2018, Selection of alternative domestic wastewater treatment technology with using life cycle assessment (LCA) approach: Case study settlement area of riverbank Karang Mumus of Samarinda City, East Kalimantan. *Indonesian Journal of Urban and Environmental Technology*, **1**(2), 164-184.
- Norum, P., and Norton, M., 2017, Factors affecting consumer acquisition of secondhand clothing in the USA. *Journal of Fashion Marketing and Management*, **21**(2), 206–218.
- Nosić, A., and Weber, M., 2010, How riskily do I invest? The role of risk attitudes, risk perceptions, and overconfidence. *Decision Analysis*, **7**(3), 282–301.
- Nunnally, J., and Bernstein, I., 1994, *Psychometric Theory*, 3rd edn. McGraw-Hill, New York.
- Nurhayati-Wolff, H., 2020, Share of population owning a mobile phone in Indonesia from 2010 to 2019. *Statista*. Retrieved from <https://www.statista.com/statistics/1084069/indonesia-share-of-population-owning-a-mobile-phone/>
- Ong, T. F., and Musa, G., 2012, SCUBA divers' underwater responsible behaviour: Can environmental concern and divers' attitude make a difference? *Current Issues in Tourism*, **15**(4), 1-23.
- Ongondo, F. O., and Williams, I. D., 2011, Mobile phone collection, reuse and recycling in the UK. *Waste Management*, **31**(6), 1307–1315.
- Ongondo, F. O., Williams, I. D., and Cherrett, T. J., 2011, How are WEEE doing? A global review of the management of electrical and electronic wastes. *Waste Management*, **31**(4), 714–730.
- Onwezen, M. C., Antonides, G., and Bartels, J., 2013, The norm activation model: An exploration of the functions of anticipated pride and guilt in pro-environmental behaviour. *Journal of Economic Psychology*, **39**, 141–153.
- Owusu, V., Adjei-Addo, E., and Sundberg, C., 2013, Do economic incentives affect attitudes to solid waste source separation? Evidence from Ghana. *Resources, Conservation and Recycling*, **78**, 115-123
- Pamuk, S., and Kahriman-Pamuk, D., 2019, Preservice teachers' intention to recycle and recycling behavior: The role of recycling opportunities. *International Electronic*

- Journal of Environmental Education*, **9**(1), 33–45.
- Park, J., and Ha, S., 2014, Understanding consumer recycling behavior: Combining the theory of planned behavior and the norm activation model. *Family and Consumer Sciences Research Journal*, **42**(3), 278–291.
- Patch, C. S., Tapsell, L. C., and Williams, P. G., 2005, Attitudes and intentions toward purchasing novel foods enriched with omega-3 fatty acids. *Journal of Nutrition Education and Behavior*, **37**(5), 235–241.
- Pathak, P., Singh, M. P., and Pankaj Sharma, D., 2017, Sustainable manufacturing: An innovation and need for future. *Proceedings of International Conference on Recent Innovations in Engineering and Technology*, 978–993. Retrieved from <https://www.researchgate.net/publication/317030927>
- Paul, J., Modi, A., and Patel, J., 2016, Predicting green product consumption using theory of planned behavior and reasoned action. *Journal of Retailing and Consumer Services*, **29**, 123–134.
- Persada, S. F., Lin, S. C., Nadlifatin, R., and Razif, M., 2015, Investigating the citizens' intention level in environmental impact assessment participation through an extended theory of planned behavior model. *Global Nest Journal*. **17**(4), 847–857.
- Pishvae, M. S., Kianfar, K., and Karimi, B., 2010, Reverse logistics network design using simulated annealing. *International Journal of Advanced Manufacturing Technology*, **47**(1–4), 269–281.
- Podsakoff, P. M., MacKenzie, S. B., Lee, J. Y., and Podsakoff, N. P., 2003, Common method biases in behavioral research: A critical review of the literature and recommended remedies. *Journal of Applied Psychology*, **88**(5), 879–903.
- Ponce-Cueto, E., González Manteca, J. Á., and Carrasco-Gallego, R., 2011, Reverse logistics practices for recovering mobile phones in Spain. *Supply Chain Forum: An International Journal*, **12**, 104–114.
- Pradhana, F. E., 2011, *Penerapan algoritma tabu search untuk menyelesaikan vehicle routing problem*. Tugas Akhir. Universitas Negeri Semarang.
- Prakash, G., Choudhary, S., Kumar, A., Garza-Reyes, J. A., Khan, S. A. R., and Panda, T. K., 2019, Do altruistic and egoistic values influence consumers' attitudes and purchase intentions towards eco-friendly packaged products? An empirical investigation. *Journal of Retailing and Consumer Services*, **50**, 163–169.
- Pramod.V.B, D., 2014, Correlates of Pro-Environmental Behavior at Railway Station. *IOSR Journal of Humanities and Social Science*, **19**(8), 22–30.
- Prasetyo, W., and Tamyiz, M., 2017, Vehicle routing problem dengan aplikasi metode nearest neighbor. *Journal of Research and Technology*, **3**(2).
- Preuss, L., 2009, Addressing sustainable development through public procurement: The case of local government. *Supply Chain Management*, **14**(3), 213–223.
- Pujawan, I. N., 2005, *Supply Chain Management*, Guna Widya. Surabaya.
- Qazzafi, S., 2020, Factor affecting consumer buying behavior: A conceptual study, *International Journal for Scientific Research & Development*, **8**(2), 1205–1208.
- Qi-yan, W., and Yan-li, L. I., 2011, Research on status and influence factors of citizen's environmental behaviors in Beijing. *Energy Procedia*, **5**, 2103–2107.
- Qtait, M. T., 2016, Demographic variable (age , gender , marital status , and educational qualifications , in come) and afeecte in nurses ' performance in hebron hospitals, *Journal of Health, Medicine and Nursing*, **24**, 89–98.
- Rahimi, M., and Ghezavati, V., 2018, Sustainable multi-period reverse logistics network design and planning under uncertainty utilizing conditional value at risk (CVaR) for recycling construction and demolition waste. *Journal of Cleaner Production*, **172**,

- 1567–1581.
- Ramya, N., and Ali, S. M., 2016, Factors affecting consumer buying behavior September 2016. *International Journal of Applied Research*, **2**(10), 76–80.
- Rao, P. N., 2013, Sustainable manufacturing – principles, applications and directions, *28th National Convention of Production Engineers & National Seminar on "Advancements in Production and Operations Management"*, Jaipur, India, 4-5 May 2013, 1-14.
- Rasool, F., Zuberi, N. A., Siddiqui, N. U., and Madni, M., 2019, Individual energy conservation behavior in Karachi , Pakistan, *International Journal of Economic and Environmental Geology*, **10**(1), 93-99
- Razali, F., Daud, D., Weng-Wai, C., and Anthony Jiram, W. R., 2020, Waste separation at source behaviour among Malaysian households: The theory of planned behaviour with moral norm. *Journal of Cleaner Production*, **271**, 122025.
- Reksoprayitno, 2004, *Sistem Ekonomi dan Demokrasi Ekonomi*. Jakarta: Bina Grafika.
- Reuter, M. A., Heiskanen, K., Boin, A., van Schaik, A., Verhoef, E., Yang, Y., and Georgalli, G., 2005, The metrics of material and metal ecology-harmonizing the resource, technology and environmental cycles. *Developments in Mineral Processing*, **16**, 41–62.
- ReVelle, C. S., Williams, J. C., and Boland, J. J., 2002, Counterpart models in facility location science and reserve selection science. *Environmental Modeling and Assessment*, **7**(2), 71–80.
- Richardson, H. A., Simmering, M. J., and Sturman, M. C., 2009, A tale of three perspectives: Examining post hoc statistical techniques for detection and correction of common method variance. *Organizational Research Methods*, **12**(4), 762–800.
- Ringle, C. M., Wende, S., and Becker, J.-M., 2015, SmartPLS 3. *Boenningstedt: SmartPLS GmbH*.
- Ripa, M., Buonauro, C., Mellino, S., Fiorentino, G., and Ulgiati, S., 2014, Recycling waste cooking oil into biodiesel: A life cycle assessment. *International Journal of Performability Engineering*, **10**(4), 347–356.
- Rosen, M. A., and Kishawy, H. A., 2012, Sustainable manufacturing and design: Concepts, practices and needs. *Sustainability*, **4**(2), 154–174.
- Rosmeika, Sutiarso, L., and Suratmo, B., 2010, Pengembangan perangkat lunak life cycle assessment (LCA) untuk ampas tebu. *Agritech*, **30**(3), 168–177.
- Rosov, K. A., Mallin, M. A., and Cahoon, L. B., 2020, Waste nutrients from U.S. animal feeding operations: Regulations are inconsistent across states and inadequately assess nutrient export risk. *Journal of Environmental Management*, **269**, 110738.
- Rubin, R. S., Castro, M. A. S. De, Brandão, D., Schalch, V., and Ometto, A. R., 2014, Utilization of life cycle assessment methodology to compare two strategies for recovery of copper from printed circuit board scrap. *Journal of Cleaner Production*, **64**, 297–305.
- Ryu, M., Ahn, K. Il, and Lee, K., 2021, Finding effective item assignment plans with weighted item associations using a hybrid genetic algorithm. *Applied Sciences (Switzerland)*, **11**(5), 1–19.
- Saavedra, Y. M. B., Barquet, A. P. B., Rozenfeld, H., Forcellini, F. A., and Ometto, A. R., 2013, Remanufacturing in Brazil: Case studies on the automotive sector. *Journal of Cleaner Production*, **53**, 267–276.
- Sadeghi Rad, R., and Nahavandi, N., 2018, A novel multi-objective optimization model for integrated problem of green closed loop supply chain network design and quantity discount. *Journal of Cleaner Production*, **196**, 1549–1565.
- Sadrnia, A., Langarudi, N. R., and Sani, A. Payandeh, 2020, Logistics network design to

- reuse second-hand household appliances for charities. *Journal of Cleaner Production*, **244**, 118717.
- Safarian, S., Sattari, S., and Hamidzadeh, Z., 2018, Sustainability assessment of biodiesel supply chain from various biomasses and conversion technologies. *BioPhysical Economics and Resource Quality*, **3**(2), 1-15.
- Sánchez, M., López-Mosquera, N., Lera-López, F., and Faulin, J., 2018, An extended planned behavior model to explain the willingness to pay to reduce noise pollution in road transportation. *Journal of Cleaner Production*, **177**, 144–154.
- Santosa, B., and Ai, The Jin. 2017. *Pengantar Metaheuristik Implementasi dengan MATLAB*. Tekno Sains Institut Teknologi Sepuluh Nopember, Surabaya.
- Santoso, A. N., and Farizal, 2019, Community participation in household waste management: An exploratory study in Indonesia. *E3S Web of Conferences*, **125**, 7-13.
- Santoso, S., 2014, *Panduan Lengkap SPSS versi 20 edisi revisi*. PT. Elex Media Komputindo, Jakarta
- Sari, R. K., Mondiana, Y. Q., and Zairina, A., 2019, The effect of product quality on organic vegetable purchase decision-making. *International Journal of Scientific and Research Publications*, **9**(7).
- Sarjono, H., 2014, Determination of best route to minimize transportation costs using nearest neighbor procedure. *Applied Mathematical Sciences*, **8**(61–64), 3063–3074.
- Sata, M., 2013, Factors affecting consumer buying behavior of mobile phone devices. *Mediterranean Journal of Social Sciences*, **4**(12), 103–112.
- Schwab, N., Harton, H. C., and Cullum, J. G., 2014, The effects of emergent norms and attitudes on recycling behavior. *Environment and Behavior*, **46**(4), 403–422.
- Sekaran, U., and Bougie, R., 2016, *Research Methods for Business: A Skill Building Approach*. John Wiley & Sons.
- Sekilas Info TPST Piyungan | Dinas Lingkungan Hidup dan Kehutanan DIY in press.
- Senawi, N. H., and Sheau-Ting, L., 2016, Attributes to facilitate e-waste recycling behaviour. *MATEC Web of Conferences*, **66**, 4–8.
- Setiawan, R., Santosa, W., and Sjafruddin, A., 2014, Integration of theory of planned behavior and norm activation model on student behavior model using cars for traveling to campus. *Civil Engineering Dimension*, **16**(2), 117–122.
- Setyawan, A., Noermijati, N., Sunaryo, S., and Aisjah, S., 2018, Green product buying intentions among young consumers: Extending the application of theory of planned behavior. *Problems and Perspectives in Management*, **16**(2), 145–154.
- Sheinbaum, C., Balam, M. V., Robles, G., Lelo de Larrea, S., and Mendoza, R., 2015, Biodiesel from waste cooking oil in Mexico City. *Waste Management & Research*, **33**(8), 730–739.
- Shen, L., Olfat, L., Govindan, K., Khodaverdi, R., and Diabat, A., 2013, A fuzzy multi criteria approach for evaluating green supplier's performance in green supply chain with linguistic preferences. *Resources, Conservation and Recycling*, **74**, 170–179.
- Sheng, P. P., and Etsell, T. H., 2007, Recovery of gold from computer circuit board scrap using aqua regia. *Waste Management and Research*, **25**(4), 380–383.
- Shevchenko, T., Laitala, K., and Danko, Y., 2019, Understanding consumer e-waste recycling behavior: Introducing a new economic incentive to increase the collection rates. *Sustainability (Switzerland)*, **11**(9).
- Shin, Y. H., Moon, H., Jung, S. E., and Severt, K., 2017, The effect of environmental values and attitudes on consumer willingness to pay more for organic menus: A value-attitude-behavior approach. *Journal of Hospitality and Tourism Management*, **33**, 113–121.

- Sierzechula, W., Bakker, S., Maat, K., and Van Wee, B., 2014, The influence of financial incentives and other socio-economic factors on electric vehicle adoption. *Energy Policy*, **68**, 183-194
- Silalertruksa, T., Pongpat, P., and Gheewala, S. H., 2017, Life cycle assessment for enhancing environmental sustainability of sugarcane biorefinery in Thailand. *Journal of Cleaner Production*, **140**, 906-913.
- Simatupang, T. M., 2018, Sistem Pengelolaan Sampah Elektronik (SPSE).
- Sina, H., 2019, Samsung-Oppo Gandeng Pihak Lain Atasi Sampah Elektronik. Retrieved from <http://harnas.co/2019/05/22/samsung-oppo-gandeng-pihak-lain-atasi-sampah-elektronik>
- Soleimani, H., and Govindan, K., 2014, Reverse logistics network design and planning utilizing conditional value at risk. *European Journal of Operational Research*, **237**(2), 487-497.
- Sommer, L., 2011, the theory of planned behaviour and the impact of past behaviour. *International Business & Economics Research Journal (IBER)*, **10**(1).
- Soo, V. K., Featherston, C., and Doolan, M., 2013, E-waste assessment in Malaysia. *20th CIRP International Conference on Life Cycle Engineering*, Singapore.
- Srivastava, S. K., 2008, Network design for reverse logistics. *Omega*, **36**(4), 535-548
- Statistic of Daerah Istimewa Yogyakarta Province, 2021, Daerah Istimewa Yogyakarta Province in Figure 2021. Retrieved October 1, 2021, from <https://yogyakarta.bps.go.id>
- Steffen, A., 2017, *Second-hand consumption as a lifestyle choice*. International University Heidelberg. 189-207.
- Steg, L., Bolderdijk, J. W., Keizer, K., and Perlaviciute, G., 2014, An integrated framework for encouraging pro-environmental behaviour: The role of values, situational factors and goals. *Journal of Environmental Psychology*, **38**, 102-115
- Stevenson, A., and Gmitrowicz, E., 2012, Study into consumer second-hand shopping behaviour to identify the re-use displacement effect. *Waste Res. Act. Prog. (WRAP)*. Available at: <http://www.wrap.org.uk/content/study-consumersecond-hand-shopping-identify-re-use-behaviour-0> (Accessed September 2017).
- Stock, J. R., 2001, The 7 deadly sins of reverse logistics. *Material Handling Management*, **56**(3), 5-11.
- Strydom, W. F., 2018, Applying the theory of planned behavior to recycling behavior in South Africa. *Recycling*, **3**(43).
- Sudjana, N., 2005, *Metode Statistika*. Tarsito, Bandung,
- Sugiyono, P., 2011, *Metodologi Penelitian Kuantitatif Kualitatif dan R&D*. Alfabeta, Bandung.
- Suhaily, L., and Darmoyo, S., 2017, Effect of product quality, perceived price and brand image on purchase decision mediated by customer trust (study on Japanese brand electronic product). *Jurnal Manajemen*, **21**(2), 179-194.
- Suja, F., Abdul Rahman, R., Yusof, A., and Masdar, M. S., 2014, e-waste management scenarios in Malaysia. *Journal of Waste Management*, 1-7.
- Sujarweni, V. W., 2015, *SPSS untuk Penelitian*. Pustaka Baru Press, Yogyakarta.
- Sulaiman, N., Chan, S. W., and Ong, Y. S., 2019, Factors influencing recycling intention among University students. *International Journal of Innovative Technology and Exploring Engineering*, **8**(8), 336-340.
- Sulistiono, S., and Mussafi, N. S. M., 2015, Rancang bangun vehicle routing problem menggunakan algoritma tabu search. *Jurnal Fourier*, **4**(2).
- Sun, L., Yang, S., Li, S., and Zhang, Y., 2020, Does education level affect individuals' environmentally conscious behavior? Evidence from Mainland China. *Social*

- Behavior and Personality: an international journal*, **48**(9), 1–12.
- Sutanto, A., Yuliandra, B., and Pratama, W., 2017, Manufaktur yang berkelanjutan pada sampah elektronik (e-waste) di kota Padang: tinjauan kasus sampah kulkas. *Jurnal Optimasi Sistem Industri*, **16**(1).
- Syahban, L., 2018a, Ke Mana Sampah Elektronik Dibuang. *DetikX*. Retrieved from <https://news.detik.com/x/detail/intermeso/20180119/Ke-Mana-Sampah-Elektronik-Dibuang/> diakses 31 Maret 2020
- Syahban, L., 2018b, Tambang Emas di Gunung Sampah. *detikNews*. Retrieved from <https://news.detik.com/x/detail/intermeso/20180119/Tambang-Emas-di-Gunung-Sampah/> diakses 30 September 2021
- Talbi, E.-G., 2009, *Metaheuristics: from design to implementation*. John Wiley & Sons.
- Taleizadeh, A. A., Haghighi, F., and Niaki, S. T. A., 2019, Modeling and solving a sustainable closed loop supply chain problem with pricing decisions and discounts on returned products. *Journal of Cleaner Production*, **207**, 163–181.
- Tamunu, M., and Tumewu, F., 2014, Analyzing the influence of price and product quality on buying decision honda matic motorcycles in Manado. *Jurnal EMBA*, **2**(3), 1255–1263.
- Tanskanen, P., 2013, Management and recycling of electronic waste. *Acta Materialia*, **61**(3), 1001–1011.
- Tarai, S., and Shailaja, K., 2020, Consumer perception towards sale of second-hand clothes in the localities of Odisha, State of India, *Journal of Textile Engineering & Fashion Technology Literature*, **6**(4), 159–162.
- The Oxford Handbook of Environmental and Conservation Psychology* 2012.
- Themba, G., and Tumedi, C. B., 2012, Credit card ownership and usage behaviour in Botswana. *International Journal of Business Administration*, **3**(6), 60.
- Tibbs, H., 1992, *Industrial Ecology-An Agenda for Environmental Management*, 1 ed, Global Business Network, Emeryville.
- Tjiptono, F., 2008, *Strategi Pemasaran*. Andi Offset, Yogyakarta.
- Tjiptono, F., 2015, *Aplikasi Manajemen Pemasaran*. Andi Offset, Yogyakarta.
- Tölkes, C., and Butzmann, E., 2018, Motivating pro-sustainable behavior: The potential of green events-A case-study from the Munich Streetlife Festival. *Sustainability (Switzerland)*, **10**(10).
- Tonanont, A., Yimsiri, S., and Rogers, J., 2010, Strategic planning and performance improvements of global supply chain with network design optimization tool. *PICMET 2010 technology management for global economic growth IEEE*, 1-5.
- Tong, X., Nikolic, I., Dijkhuizen, B., van den Hoven, M., Minderhoud, M., Wäckerlin, N., Wang, T., and Tao, D., 2018, Behaviour change in post-consumer recycling: Applying agent-based modelling in social experiment. *Journal of Cleaner Production*, **187**, 1006–1013.
- Tosarkani, B. M., and Amin, S. H., 2018, A multi-objective model to configure an electronic reverse logistics network and third party selection. *Journal of Cleaner Production*, **198**, 662–682.
- Tosarkani, B. M., Amin, S. H., and Zolfagharinia, H., 2020, A scenario-based robust possibilistic model for a multi-objective electronic reverse logistics network. *International Journal of Production Economics*, **224**, 107557.
- Ulya, F. N., 2019, July 19, Berapa Lama Orang Indonesia Ganti Ponsel Baru? *Kompas*. Jakarta. Retrieved from <https://money.kompas.com/read/2019/07/19/074700926/berapa-lama-orang-indonesia-ganti-ponsel-baru->
- United Nation Environment Program (UNEP), 1987, *The Montreal Protocol on*

Substances That Deplete The Ozone Layer.

- Van Damme, I., and Vermoesen, R., 2009, Second-hand consumption as a way of life: public auctions in the surroundings of a lost in the late eighteenth century. *Continuity and Change*, **24**(2).
- Van der Werff, E., Vrieling, L., Van Zuijlen, B., and Worrell, E., 2019, Waste minimization by households – A unique informational strategy in the Netherlands. *Resources, Conservation and Recycling*, **144**, 256–266.
- Verma, V. K., and Chandra, B., 2016, Hotel guest's perception and choice dynamics for green hotel attribute: a mix method approach. *Indian Journal of Science and Technology*. **9**(5), 1-9.
- Verma, V. K., Chandra, B., and Kumar, S., 2019, Values and ascribed responsibility to predict consumers' attitude and concern towards green hotel visit intention. *Journal of Business Research*, **96**, 206–216.
- Vieira, M., 2016, PRé-Sustainability. Retrieved January 10, 2020, from www.pre-sustainability.com
- Vieira, M. D. M., Goedkoop, M. J., Storm, P., and Huijbregts, M. A. J., 2012, Ore grade decrease as life cycle impact indicator for metal scarcity: The case of copper. *Environmental Science and Technology*, **46**(23), 12772–12778.
- Vinyes, E., Oliver-Solà, J., Ugaya, C., Rieradevall, J., and Gasol, C. M., 2013, Application of LCSA to used cooking oil waste management. *International Journal of Life Cycle Assessment*, **18**(2), 445–455
- Vinzi, V. E., Chin, W. W., Henseler, J., and Wang, H., 2010, *Handbook of partial least squares*, Vol. 201, Springer.
- Vogtlander, J. G., Scheepens, A. E., Bocken, N. M. P., and Peck, D., 2017, Combined analyses of costs, market value and eco-costs in circular business models: eco-efficient value creation in remanufacturing. *Journal of Remanufacturing*, **7**(1).
- Wagner, T. P., Toews, P., and Bouvier, R., 2013, Increasing diversion of household hazardous wastes and materials through mandatory retail take-back. *Journal of Environmental Management*, **123**, 88–97.
- Wang, J., Li, Z., and Tam, V. W. Y., 2014, Critical factors in effective construction waste minimization at the design stage: A Shenzhen case study, China. *Resources, Conservation and Recycling*, **82**, 1-7.
- Wang, S., and Chen, B., 2016, Accounting of SO₂ emissions from combustion in industrial boilers. *Energy Procedia*, **88**, 325–329.
- Wang, Z., Zhang, B., Yin, J., and Zhang, X., 2011, Willingness and behavior towards e-waste recycling for residents in Beijing City, China. *Journal of Cleaner Production*, **19**, 977–984.
- Widiyanto, A. F., Zeha, H. N., Rahardjo, S., and Suratman, S., 2020, Faktor-faktor yang berpengaruh terhadap praktik masyarakat dalam pengelolaan sampah di Desa Ketenger, Kecamatan Baturaden, Kabupaten Banyumas. *Jurnal Kesehatan Lingkungan Indonesia*, **19**(2), 76–81
- Wijanto, S. H., 2008, *Structural Equation Modeling*, Graha Ilmu, Yogyakarta.
- Williams, C., 2003, Explaining informal and second-hand goods acquisition. *International journal of sociology and social policy*, **23**(12), 124–139.
- Williams, C. C., and Paddock, C., 2003, The meanings of informal and second-hand retail channels: some evidence from Leicester. *The International Review of Retail, Distribution and Consumer Research*, **13**(3), 317–336.
- Williams, L. J., and Brown, B. K., 1994, Method variance in organizational behavior and human resources research: Effects on correlations, path coefficients, and hypothesis testing. *Organizational Behavior and Human Decision Processes*, **57**(2), 185–209.

- Wong, K. K. K.-K., 2013, 28/05 - Partial least squares structural equation modeling (PLS-SEM) techniques using smartPLS. *Marketing Bulletin*, **24** (1),1–32.
- Wu, S.-I., and Chen, J.-Y., 2014, A model of green consumption behavior constructed by the theory of planned behavior. *International Journal of Marketing Studies*, **6**(5).
- Wu, Y., Chen, H., and Wang, H., 2019, The influence of product diversity on consumers' impulsive purchase in online shopping environment. *American Journal of Industrial and Business Management*, **9**(3), 680–698.
- www.batteryuniversity.com, in press. Learn about disposal and how toxic material can continue to be used in batteries if recycled. Retrieved November 24, 2021, from <https://batteryuniversity.com/article/bu-705-how-to-recycle-batteries>
- www.dailymetalprice.com, in press. GLOBAL ANTIMONY WRAP: Antimony prices co. 2021. Retrieved November 9, 2021, from <https://www.dailymetalprice.com/metalprices.php>
- www.kursdollar.org, in press-a. Retrieved November 7, 2021, from <https://kursdollar.org>
- www.kursdollar.org, in press-b. Retrieved December 8, 2021, from <https://kursdollar.org>
- www.metalbulletin.com, in press. Global antimony wrap: Antimony prices continue to rise amid tightening availability. Retrieved November 9, 2021, from <https://www.metalbulletin.com/Article/3830782/Global-Antimony-Wrap-Antimony-prices-continue-to-rise-amid-tightening-availability.html>
- www.minerba.esdm.go.id, in press. Retrieved December 8, 2021, from <https://minerba.esdm.go.id>
- www.pertamina.com, 2021, Daftar Harga BBK TMT 18 September 2021.
- www.smartcity.jakarta.go.id, in press. Truk Compactor: Alat Pengangkut Sampah yang Lebih Ramah Lingkungan. Retrieved November 4, 2021, from <https://smartcity.jakarta.go.id/blog/204/truk-compactor-alat-pengangkut-sampah-yang-lebih-ramah-lingkungan>
- www.tokopedia.com, in press-a. Retrieved December 9, 2021, from <https://www.tokopedia.com/multijayakimia/nitric-acid-asam-nitrat-hno3-35kg-ex-belgia>.
- www.tokopedia.com, in press-b. Retrieved December 9, 2021, from <https://www.tokopedia.com/cv-cepy/hcl-32-pembersih-keramik>
- Wynveen, C. J., Wynveen, B. J., and Sutton, S. G., 2015, Applying the value-belief-norm theory to marine contexts: Implications for encouraging pro-environmental behavior. *Coastal Management*, **43**(1), 84–103.
- Yadav, R., and Pathak, G. S., 2017, Determinants of consumers' green purchase behavior in a developing nation: applying and extending the theory of planned behavior. *Ecological Economics*, **134**, 114–122.
- Yadav, V., Karmakar, S., Dikshit, A. K., and Bhurjee, A. K., 2018, Interval-valued facility location model: An appraisal of municipal solid waste management system. *Journal of Cleaner Production*, **171**, 250–263.
- Ylä-Mella, J., Poikela, K., Lehtinen, U., Keiski, R. L., and Pongrácz, E., 2014, Implementation of waste electrical and electronic equipment directive in Finland: Evaluation of the collection network and challenges of the effective WEEE management. *Resources, Conservation and Recycling*, **86**, 38–46.
- Yong, K., 2020, *A Comparative Life Cycle Assessment of the Informal and Formal Recycling Procedures of Mobile Phones*. ERM Research Project. Environment Resource Management, Vrije Universiteit Amsterdam.
- Yongsheng, Z., and Shouyang, W., 2008, Generic model of reverse logistics network design. *Journal of transportation systems engineering and information technology*, **8**(3), 71–78.

- Yuan, H., 2013, Critical management measures contributing to construction waste management: Evidence from construction projects in China. *Project Management Journal*.
- Yuan, Y., Nomura, H., Takahashi, Y., and Yabe, M., 2016, Model of Chinese household kitchen waste separation behavior: A case study in Beijing City. *Sustainability*, **8**(10).
- Yunita, M. T., Zagloel, T. Y. M., Ardi, R., and Zulkarnain, 2019, Development of funding model in e-waste management systems for households products in Indonesia. *IOP Conference Series: Earth and Environmental Science*, **219**(1).
- Zaenudin, A., 2017, March 27, Berapa Lama Orang Mengganti Ponsel? *Tirto*.
- Zarbakhshnia, N., Soleimani, H., Goh, M., and Razavi, S. S., 2019, A novel multi-objective model for green forward and reverse logistics network design. *Journal of Cleaner Production*, **208**, 1304–1316.
- Zeng, X., Duan, H., Wang, F., and Li, J., 2017, Examining environmental management of e-waste: China's experience and lessons. *Renewable and Sustainable Energy Reviews*, **72**, 1076–1082.
- Zeng, X., Mathews, J. A., and Li, J., 2018, Urban mining of e-waste is becoming more cost-effective than virgin mining. *Environmental Science and Technology*, **52**(8), 4835–4841.
- Zhai, X., and An, Y., 2020, Analyzing influencing factors of green transformation in China's manufacturing industry under environmental regulation: A structural equation model. *Journal of Cleaner Production*, **251**, 119760.
- Zhang, B., Lai, K. hung, Wang, B., and Wang, Z., 2019, From intention to action: How do personal attitudes, facilities accessibility, and government stimulus matter for household waste sorting? *Journal of Environmental Management*, **233**, 447–458.
- Zhang, S., Zhang, M., Yu, X., and Ren, H., 2016, What keeps Chinese from recycling: Accessibility of recycling facilities and the behavior. *Resources, Conservation and Recycling*, **109**, 176–186.
- Zhang, X., Badurdeen, F., and Jawahir, I. S., 2013, On improving the product sustainability of metallic automotive components by using the total life-cycle approach and the 6R methodology. *Global Conference on Sustainable Manufacturing*, 194–199.
- Zhao, Z., Gong, Y., Li, Y., Zhang, L., and Sun, Y., 2021, Gender-related beliefs, norms, and the link with green consumption. *Frontiers in Psychology*, **12**, 1–13.
- Zhen, L., Huang, L., and Wang, W., 2019, Green and sustainable closed-loop supply chain network design under uncertainty. *Journal of Cleaner Production*, **227**, 1195–1209.
- Zhou, Y., Thøgersen, J., Ruan, Y., and Huang, G., 2013, The moderating role of human values in planned behavior: The case of Chinese consumers' intention to buy organic food. *Journal of Consumer Marketing*. **30**(4), 335-344