

DAFTAR PUSTAKA

- Adams, S., Klobodu, E. K. M., Apio, A., 2018, Renewable and Non Renewable Energy, Regime Type and Economic Growth, *Renewable Energy*, 125, pp. 755-767.
- Ali, M. F., Aziz, A. A., Sulong, S. H., 2020, The Role of Decision Support Systems in Smallholder Rubber Production: Applications, Limitations, and Future Directions, *Computer and Electronic in Agriculture*, 173, pp. 105442.
- Agnew, S., Smith, C., and Dargusch, P., 2019, Understanding Transformational Complexity in Centralized Electricity Supply Systems: Modelling Residential Solar and Battery Adoption Dynamics, *Renewable and Sustainable Energy Reviews*, 116, pp. 109437.
- Al-Addous, M., Dalala, Z., Class, C. B., Alawneh, F., Al-Taani, H., 2017, Performance Analysis of Off-Grid PV System in the Jordan Valley, *Renewable Energy Reviews*, 113, pp.930-941.
- Albright, C., 2015, *VBA For Modellers Developing Decision Support System With Microsoft Office Excel*, Cengage Learning, USA.
- Ali, M.F., Aziz, A.A., Sulong, S.H., 2020, The Role of Decision Support System in Smallholder Rubber Production: Application, Limitations, and Future Directions, *Computers and Electronics in Agriculture*, 173, pp. 105442.
- Amundsen, V. S., Osmundsen, T. C., 2020, Becoming Certified, Becoming Sustainable? Improvements from Aquaculture Certification Schemes as Experienced by Those Certified, *Marine Policy*, 119, pp. 104097.
- Asghari, M., 2014, An Integrated Mathematical Model for Supplier Selection, *Industrial Engineering and Management System*, 13, pp. 29-42.
- Aouni, B., and Kettani, O., 2001, Goal Programming Model: A Glorious History and A Promising Future, *European Journal of Operational Research*, 133, pp. 225-231.
- Ayeng'o, S. P., Axelsen, H., Habershusz, D., Sauer, D. U., 2019, A Model for Direct Coupled PV Systems with Batteries Depending on Solar Radiation, Temperature, and Number of Serial Connected PV Cells, *Solar Energy*, 183, pp. 120-131.
- Baurzhan, S., and Jenkins, G.P., 2016, Off-Grid Solar PV: Is It an Affordable or Appropriate Solution for Rural Electrification in Sub-Saharan African Countries?, *Renewable and Sustainable Energy Reviews*, 60, pp. 1405-1418.
- Barley, M., and Kasabov, 2005, *Intelligent Agents and Multi Agents Systems: 6th Pacific Rim International Workshop on Multi Agent*, Springer, Berlin.
- Bhattacharya, M., Paramati, S. R., Ozturk, I., Bhattacharya, S., 2016, The Effect of Renewable Energy Consumption on Economic Growth: Evidence From Top 38 Countries, *Applied Energy*, 162, pp. 733-741.
- Barbosa-Povoa, A. P., de Miranda J. L., Corominas, A., 2017, *Optimization and Decision Support Systems for Supply Chain*, Springer, Switzerland.

- Bulut, U. and Inglesi-Lotz, R., 2019, Which Type of Energy Drove Industrial Growth in The US from 2000 to 2018 ?, *Energy Reports*, pp. 425–430.
- Burke, P. J., Widnyana, J., Anjum, Z., Aisbett, E., Resosudarmo, B., Baldwin, K. G. H., 2019, Overcoming Barriers to Solar and Wind Energy Adoption in Two Asian Giants: India and Indonesia, *Energy Policy*, 132, pp. 1216-1228.
- Cabeza, L. F., Palacios A., Serrano, S., Urge-Vorsatz, D., and Barreneche C., 2018, Comparison of Past Projections of Global and Regional Primary and Final Energy Consumption with Historical Data, *Renewable and Sustainable Energy Reviews*, 82, pp. 681–688.
- Charnes, A., and Cooper, W. W., 2001, Goal Programming and Multiple Objective Optimization (Part 1), *European Journal of Operational research*, Vol. 1, No. 1, pp 39-54.
- Chen, K. L., Lin, C. T., Li, R. K., 2006, A Fuzzy Approach for Supplier Evaluation and Selection in Supply Chain Management, *International J Production Economy*, 102, pp.289-301.
- Choudhary, D. and Shankar, R., 2014, A Goal Programming Model for Joint Decision Making of Inventory Lot-size, Supplier Selection and Carrier Selection, *Computers and Industrial Engineering*, 71(1), pp. 1–9.
- Cophra, S. and Meindl P., 2016, *Supply Chain Management Strategy, Planning, and Operation*, Pearson Education Inc, New Jersey.
- Dang, M. Q., 2017, *Solar Energy Potential in Indonesia*, https://www.researchgate.net/publication/324840601_solar_energy_potential_in_Indonesia (online accessed: 25th June 2020)
- De Boer, L., Labro, E., Molrlacchi, 2001, A Review of Methods Supporting Supplier Selection, *European Journal Purchasing Supply Manage*, 7, pp. 75-89.
- DEN, 2019, *Indonesia Energy Outlook 2019*, ESDM, Indonesia.
- ESDM, 2018, *Handbook of Energy & Economic Statistics of Indonesia Final Edition*, ESDM, Indonesia.
- Fagundes, M. V. C., Teles, E. O., de Melo, S. A. B. V., Freires, F. G. M., 2020, Decision Making Models and Support Systems for Supply Chain Risk: Literature Mapping and Future Research Agenda, *European Research*.
- Farrel, R. R., Maness, T. C, 2005, A Relational Database Approach to a Linear Programming-based Decision Support System for Production Planning in Secondary Wood Product Manufacturing, *Decission Support System*, 40, 183-196.
- Fowler, J. W., Kim, S., Shunk, D. L., 2019, Design for Customer Responsiveness: Decision Support System for Pull-Push Supply Chain with Multiple Demand Fulfillment Points, *Decission Support System*, 123, pp. 113071.
- Hassan, A. S., Cipcigan L., Jenkins, N., 2017, Optimal Battery Storage Operation for PV System with Tarif Incentives, *Applied Energy*, 203, pp. 422-441.
- Hidayatno, A., Setiawan, A. D., Supartha, I. M. W., Moeis, A. O., Rahman, I., and Widiono, E., 2020, Investigating Policies on Improving Household Rooftop Photovoltaics Adoption in Indonesia, *Renewable Energy*, 156, pp. 731-742.

- Ho, H. P., 2019, The Supplier Selection Problem of Manufacturing Company using the Weighted Multi Choice Goal Programming and Min Max Multi Choice Goal Programming, *Applied Mathematical Modeling*, 75, pp. 819-836.
- Hocine, A., Kouaissah, N., Bettahar, S., Benbouziane, M., 2018, Optimizing Renewable Energy Portfolios Under Uncertainty: A Multi Segment fuzzy Goal Programming Approach, *Renewable Energy*, 129, pp. 540-562.
- Huang, Z., Yu, H., Chu, X., and Peng Z., 2017, A Goal Programming Based Model System for Community Energy Plan, *Energy*, 134, pp. 893-901.
- IEA, 2016, *Reducing Emissions from Fossil Fired Generations: Indonesia, Malaysia, and Vietnam*, IEA, Paris.
- Ishigaki, A., 2020, Development of a Decision Support System of the Cooperative Supply Chain in Consideration of Satisfaction of Multi Objective Multi Player, 17th *Global Conference on Sustainable Manufacturing*, 43, pp. 314-319.
- Jao, C. S., 2010, *Decision Support System*, Intech, India.
- Javid, N., Khalili-Damghani, K., Makui, A., Abdi, F., 2020, Multi Objective Flexibility Complexity Trade Off Problem in Batch Production Systems using Fuzzy Goal Programming, *Expert System With Applications*, pp. 113266.
- Jones, D., Tamiz, M., and Ries, J., 2010, *New Developments in Multiple Objective and Goal Programming*, Springer, Berlin.
- Karakaya, E., Sriwannawit, P., 2015, Barriers to the Adaption of Photovoltaic Systems: the State of the Art, *Renewable Sustain Energy*, 49, pp. 60-66.
- Keck, F., Lenzen M., Vassalo A., and Li M., 2019, The Impact of Battery Energy Storage for Renewable Energy Power Grids in Australia, *Energy*, 173, pp. 647-657.
- Kemenperin, R., 2010, Daftar Inventarisasi Barang/Jasa Produksi Dalam Negeri, <http://tkdn.kemenperin.go.id/search.php?where=produk&what=baterai> (online accessed 20th May 2020)
- Konys, A., 2019, Methods Supporting Supplier Selection Processes Knowledge Based Approach, *Procedia Computer Science*, 159, pp. 1629-1641.
- Korthauer, R., 2018, *Lithium-Ion Batteries: Basics and Applications*, Springer-Verlag, Germany.
- Kurniawan, R., Sugiawan, Y., Managi, S., 2018, Cleaner Energy Conversion and Household Emission Decomposition Analysis in Indonesia, *Journal Clean Production*, 201, pp. 334-342.
- Mattiussi, A., Rosano, M., Simeoni, P., 2014, A Decision Support for Sustainable Energy Supply Combining Multi Objective and Multi-Attribute Analysis: An Australian Case Study, *Decision Support System*, 57, pp. 150-159.
- McNeil, M. A., Karali, N., Letschert, V., 2019, Forecasting Indonesia's Electricity Load Through 2030 and Peak Demand Reductions from Appliance and Lighting Efficiency, *Energy for Sustainable Development*, 49, pp. 65-77.
- Merei, G., Berger, C., Sauer, D. U., 2013, Optimization of an Off Grid Hybrid PV Wind Diesel System with Different Battery Technologies Using Genetic Algorithm, *Solar Energy*, 97, pp. 460-473.

- Mirzaee, H., Naderi, B. and Pasandideh, S. H. R., 2018, A Preemptive Fuzzy Goal Programming Model for Generalized Supplier Selection and Order Allocation with Incremental Discount, *Computers and Industrial Engineering*, 122, pp. 292–302.
- Moser, R., 2007, *Strategic Purchasing and Supply Management*, Deutscher Universitats-Verlag, Netherland.
- Mukherjee, K., 2017, *Supplier Selection an MCDA-Based Approach*, Springer, India.
- Papathanasiou, J., Ploskas, N., Linden, I., 2016, *Real World Decision Support System*, Springer, Switzerland.
- Rheddy, T. B., 2011, *Linden's Handbook of Batteries*, Mc Graw Hill, New York.
- Romero, C., 1991, *Handbook of Critical Issues in Goal Programming*, Springer, India.
- Romero, C., 2003, A General Structure of Achievement Function for a Goal programming model, *European Journal of Operational Research*, 153, pp. 675–686.
- Sadeghi, S., 2018, A Study Using the Flow Battery in Combination with Solar Panel and Solid Oxide Fuel Cell for Power Generation, *Solar Energy*, 170, pp. 732-740.
- Sanayei, A., Mousafi S. F., Yazdankhah, A., 2010, Group Decision Making Process for Supplier Selection with VIKOR under Fuzzy Environment, *Expert Systems with Application*, 37, pp.24-30.
- Schiffer, J., Sauer, A. U., Bindner, H., Cronin, T., Lundsager, P., Kaiser, R., 2007, Model Prediction for Ranking Lead-Acid Batteries According to Expected Lifetime in Renewable Energy Systems and Autonomous Power-Supply Systems, *Journal of Power Sources*, 168, pp.66-78.
- Shaban A., Costantino, F., Di Gravio, G., Tronci, M., 2019, A New Efficient Collaboration Model for Multi Echelon Supply Chains, *Expert Systems with Application*, 128, pp.54-66.
- Scott, J., Ho, W., Dey, P. K., Talluri, S., 2015, A Decision Support System for Supplier Allocation in Stochastic, Multi Stakeholder, and Multi Criteria Environments, *International Journal Production Economics*, 166, pp. 226-237.
- Setyawati, D., 2020, Analysis of Perception Towards the Rooftop Photovoltaic Solar System Policy in Indonesia, *Energy Policy*, 144, p. 111569.
- Shen, J., 2019, An Environmental Supply Chain Network Under Uncertainty, *Physica A*, p. 123478.
- Sorensen, B., 2007, *Renewable Energy Conversion, Transmission, and Storage*, Associated Press, New York.
- Sovacool, B. K., 2018, Success and Failure in the Political Economy of Solar Electrofication:Lessons from World Bank Solar Home System (SHS) Projects in Sri Lanka and Indonesia, *Energy Policy*, 123, pp. 482-493.
- Sugirianta, I. B. K., Giriantari, I. A. D., Kumara, I. N. S., 2016, Analisa Keekonomian Tarif Penjualan Listrik Pembangkit Listrik Tenaga Surya 1 MWp bangli dengan Metode Life Cycle Cost, *Maj. Ilm. Tek. Elektro*, 15, pp. 121-126.

- Taherdoost, H. and Brard, A., 2019, Analyzing the Process of Supplier Selection Criteria and Methods, *Procedia Manufacturing*, 32, pp. 1024–1034.
- Walling, E., Vaneeckhaute, C., 2020, Developing Successful Environmental Decision Support Systems: Challenge and Best Practices, *Journal of Environmental Management*, 264, pp. 110513.
- Wen, T. C., Chang, K. H. and Lai, H. H., 2020, Integrating the 2-Tuple Linguistic Representation and Soft Set to Solve Supplier Selection Problems with Incomplete Information, *Engineering Applications of Artificial Intelligence*, 87, p. 103248.
- Wenjin, L., He, R., Qiyun, P., Song, Y., Zhibin, J., Kangzhou, W., 2019, An Analysis of the Bullwhip Effect in Multi Echelon Hybrid Supply Chain, *IFAC Paper Online*, 52-13, pp. 2419-2424.
- World Bank, 2020, Fossil Fuel Energy Consumption (% of total), <https://data.worldbank.org/indicator/EG.USE.COMM.FO.ZS> (online accessed 18th June 2020).
- Xu, Z., Qin, J., Liu, J., Martinez L., 2019, Sustainable Supplier Selection based on AHP Sort II in Interval type-2 Fuzzy Environment, *Information Sciences*, 483, pp. 273–293.
- Yahiaoui, A., Benmansour, K., Tadjine, M., 2016, Control, Analysis and Optimization of Hybrid PV-Diesel Battery Systems for Isolated Rural City in Algeria, *Solar Energy*, 137, pp. 1-10.
- Yahyaoui, I., 2018, *Advance in Renewable Energies and Power Technologies*, Elsevier, Netherlands.
- Yensen, N. and Allen, P. B., 2019, Open Source All Iron Battery for Renewable Energy Storage, *HardwareX*, 6, pp. e00072.
- Zhai, Z., Martinez, J. F., Beltran, V., Martinez, N. L., 2020, Decision Support System for Agriculture 4.0: Survey and Challenges, *Computers and Electronic in Agriculture*, 170, pp. 105256.
- Zhang, Y., and Wei, W., 2020, Model Construction and Energy Management System of Lithium Battery, PV Generator, Hydrogen Production Unit, and Fuel Cell in Islanded AC Microgrid, *International Journal of Hydrogen Energy*, 45, pp. 16381-16397.
- Zijm, H., Klumpp, M., Regattieri, A., Heragu, S., 2019, *Operations, Logistic and Supply Chain Management*, Springer International Publishing, Switzerland.
- Zito, R., 2010, *Energy Storage a New Approach*, Scrivener Publishing LLC, Canada.