

penyuntingan, Doane Puri Mustika, Sasongko Pramono Hadi, dan Tumiran; pemrograman, Doane Puri Mustika, Sasongko Pramono Hadi, dan Mohd Brado Frasetyo; pengawasan, Doane Puri Mustika, Sasongko Pramono Hadi, Mokh Isaeni B, dan Tumiran.

UCAPAN TERIMA KASIH

Penulis mengucapkan terima kasih untuk semua orang yang terlibat dalam penyusunan penelitian ini. Kepada orangtua dan keluarga yang selalu memberikan semangat dan dorongan dalam penyusunan penelitian ini, kepada dosen pembimbing 1 Bapak Sasongko, pembimbing 2 Bapak Isaeni yang selalu memberikan arahan-arahan serta saran dalam penyusunan penelitian ini, teman-teman diskusi yang selalu memberikan masukan dan semangat dalam penyusunan penelitian ini, dan tim DTETI Universitas Gadjah Mada yang memberikan bantuan dalam hal akademik untuk penyelesaian penelitian ini.

REFERENSI

- [1] F. Ueckerdt, dkk., "Potential and Risks of Hydrogen-Based E-Fuels in Climate Change Mitigation," *Nature Clim. Change*, Vol. 11, No. 5, hal. 384–393, Mei 2021.
- [2] B.D. Patterson, dkk., "Renewable CO₂ Recycling and Synthetic Fuel Production in a Marine Environment," *Proc. Nat. Acad. Sci.*, Vol. 116, No. 25, hal. 12212–12219, Jun. 2019.
- [3] K.H. El-Torky, T. Ottief, M. Elsohghier, dan Y.M. Abdelaal (2019) "Air Pollution, Its Consequences and Solving It," [Online], https://www.researchgate.net/profile/KareemHamdyElTorky/publication/344353036_AIR_POLLUTION_ITS_CONSEQUENCES_AND_SOLVING_IT/links/5f6b67e8a6f6dc0086362c26/AIRPOLLUTIONITSCONSEQUENCES-AND-SOLVING-IT.pdf. tanggal akses: 13-Jun-2022.
- [4] Y. Khadka, "Carbon Compounds: Pollution Aspects," *Patan Pragma*, Vol. 6, No. 1, hal. 127–135, Des. 2020.
- [5] (2015) "The Paris Agreement | UNFCCC," [Online], <https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement>, tanggal akses: 14-Jun-2022.
- [6] (2019) "Rancangan Undang-Undang tentang Energi Baru dan Terbarukan," [Online], <https://berkas.dpr.go.id/pusatpuu/draft-ruu/public-file/draft-ruu-public-19.pdf>, tanggal akses: 14-Jun-2022.
- [7] A.K. Karmaker, dkk., "Exploration and Corrective Measures of Greenhouse Gas Emission from Fossil Fuel Power Stations for Bangladesh," *J. Clean. Prod.*, Vol. 244, hal. 1–11, Sep. 2019.
- [8] S.A. Vargas, dkk., "Wind Power Generation: A Review and a Research Agenda," *J. Clean. Prod.*, Vol. 218, hal. 850–870, Mei 2019.
- [9] A. Fernández-Guillamón, E. Gómez-Lázaro, E. Muljadi, dan Á. Molina-García, "Power Systems with High Renewable Energy Sources: A Review of Inertia and Frequency Control Strategies Over Time," *Renew. Sustain. Energy Rev.*, Vol. 115, hal. 1–12, Nov. 2019.
- [10] B.M.S. Hodge, dkk., "Addressing Technical Challenges in 100% Variable Inverter-Based Renewable Energy Power Systems," *Wiley Interdiscip. Rev. Energy, Environ.*, Vol. 9, No. 5, hal. 1–19, Sep./Okt. 2020.
- [11] S.I. Sharif, M.A.R. Anik, M. Al-Amin, dan M.A.B. Siddique, "The Prospect of Renewable Energy Resources in Bangladesh: A Study to Achieve the National Power Demand," *Energy, Pow.*, Vol. 8, No. 1, hal. 1–6, Agu. 2018.
- [12] M. Satir, F. Murphy, dan K. McDonnell, "Feasibility Study of an Offshore Wind Farm in the Aegean Sea, Turkey," *Renew. Sustain. Energy Rev.*, Vol. 81, hal. 2552–2562, Jan. 2018.
- [13] J.G. Rueda-Bayona, dkk., "Renewables Energies in Colombia and the Opportunity for the Offshore Wind Technology," *J. Clean. Prod.*, Vol. 220, hal. 529–543, Mei 2019.
- [14] O. Zamzoum, dkk., "Power Control Of Variable Speed Wind Turbine Based on Doubly Fed Induction Generator Using Indirect Field-Oriented Control with Fuzzy Logic Controllers For Performance Optimization," *Energy Sci., Eng.*, Vol. 6, No. 5, hal. 408–423, Okt. 2018.
- [15] A.F. Shehu, A.S. Abubakar, S. Musayyibi, dan K. Idris, "Doubly Fed Induction Generator Based Wind Energy Conversion System: A Review," *J. Sci. Technol., Educ.*, Vol. 7, No. 3, hal. 145–150, Agu. 2019.
- [16] F. Mazouz, S. Belkacem, dan C. Ilhami "DPC-SVM of DFIG Using Fuzzy Second Order Sliding Mode Approach," *Int. J. Smart Grid*, Vol. 5, No. 4, hal.174–182, Des. 2021.
- [17] D.A. Kez, dkk., "A Critical Evaluation of Grid Stability and Codes, Energy Storage and Smart Loads in Power Systems with Wind Generation," *Energy*, Vol. 205, hal. 1–14, Agu. 2020.
- [18] N.Y. Abed, M.M. Kabhsa, dan G.M. Abdlsalam, "Low Voltage Ride-Through Protection Techniques For DFIG Wind Generation," *2013 IEEE Power, Energy Soc. Gen. Meeting*, 2013, hal. 1–6.
- [19] E. Metin, Ö. Karagülle, K. Kamişli, dan E. Çam, "The Importance of Energy Quality in Medical Devices and Evaluation of Measurements Made in Kırıkkale University Medical Faculty MRI Device within the Scope of TS EN 50160," *Int. J. Eng. Res., Dev.*, Vol. 12, No. 2, hal. 700–710, Jun. 2020.
- [20] M.R. Islam, dkk., "Neuro Fuzzy Logic Controlled Parallel Resonance Type Fault Current Limiter to Improve the Fault Ride Through Capability of DFIG Based Wind Farm," *IEEE Access*, Vol. 8, hal. 115314–115334, Jun. 2020.
- [21] K. Peddakapu, dkk., "Design and Simulation of Resistive Type SFCL in Multi-Area Power System for Enhancing the Transient Stability," *Phys. C Supercond. Its Appl.*, Vol. 573, hal. 1–11, Jun. 2020.
- [22] B. Hossain, H. Rahman, dan R.I. Sheikh, "Transient Stability Analysis of a DFIG-Based Wind Turbine Using Three Level NPC Converter," *2018 Int. Conf. Comput. Commun. Chem. Mater., Electron. Eng. (IC4ME2)*, 2018, hal. 1–4.
- [23] S. Romphochai dan K. Hongesombut, "Effect of Low Voltage Ride-Through Capability of Doubly-Fed Induction Generator Wind Turbines for Transient Stability of Small Power Producer," *2018 5th Int. Conf. Elect. Power, Energy Convers. Syst. (EPECS)*, 2018, hal. 1–6.
- [24] A.R.A. Jerin, P. Kaliannan, U. Subramaniam, dan M.S. El Moursi, "Review on FRT Solutions for Improving Transient Stability in DFIG-WTs," *IET Renew. Power Gener.*, Vol. 12, No. 15, hal. 1786–1799, Okt. 2018.
- [25] X.-Y. Xiao, dkk., "Enhancing Fault Ride-Through Capability of DFIG with Modified SMES-FCL and RSC Control," *IET Gener. Transmiss. Distrib.*, Vol. 12, No. 1, hal. 258–266, Jan. 2018.
- [26] T. Lehtola dan A. Zahedi, "Solar Energy and Wind Power Supply Supported by Storage Technology: A Review," *Sustain. Energy Technol., Assess.*, Vol. 35, hal. 25–31, Okt. 2019.
- [27] P.A. Østergaard, dkk., "Sustainable Development Using Renewable Energy Technology," *Renew. Energy*, Vol. 146, hal. 2430–2437, Feb. 2020.
- [28] F. Porté-Agel, M. Bastankhah, dan S. Shamsoddin, "Wind-Turbine and Wind-Farm Flows: A Review," *Boundary-Layer Meteorol.*, Vol. 174, No. 1, hal. 1–59, Jan. 2020.
- [29] K. Makhoba dan D. Dorrell, "Consideration of the Effects of Symmetrical and Asymmetrical Voltage Dips in the Control and Operation of a Grid-Connected Doubly-Fed Induction Generator," Tesis, University of KwaZulu-Natal, KwaZulu-Natal, South Africa, 2020.
- [30] M.A. Shobug dan M.R.I. Sheikh, "Fault Management in DFIG Based Wind Turbine Using Sophisticated Advanced Solid State Fault Current Limiter," *2020 IEEE Reg. 10 Symp. (TENSYMP)*, 2020, hal. 1660-1663.