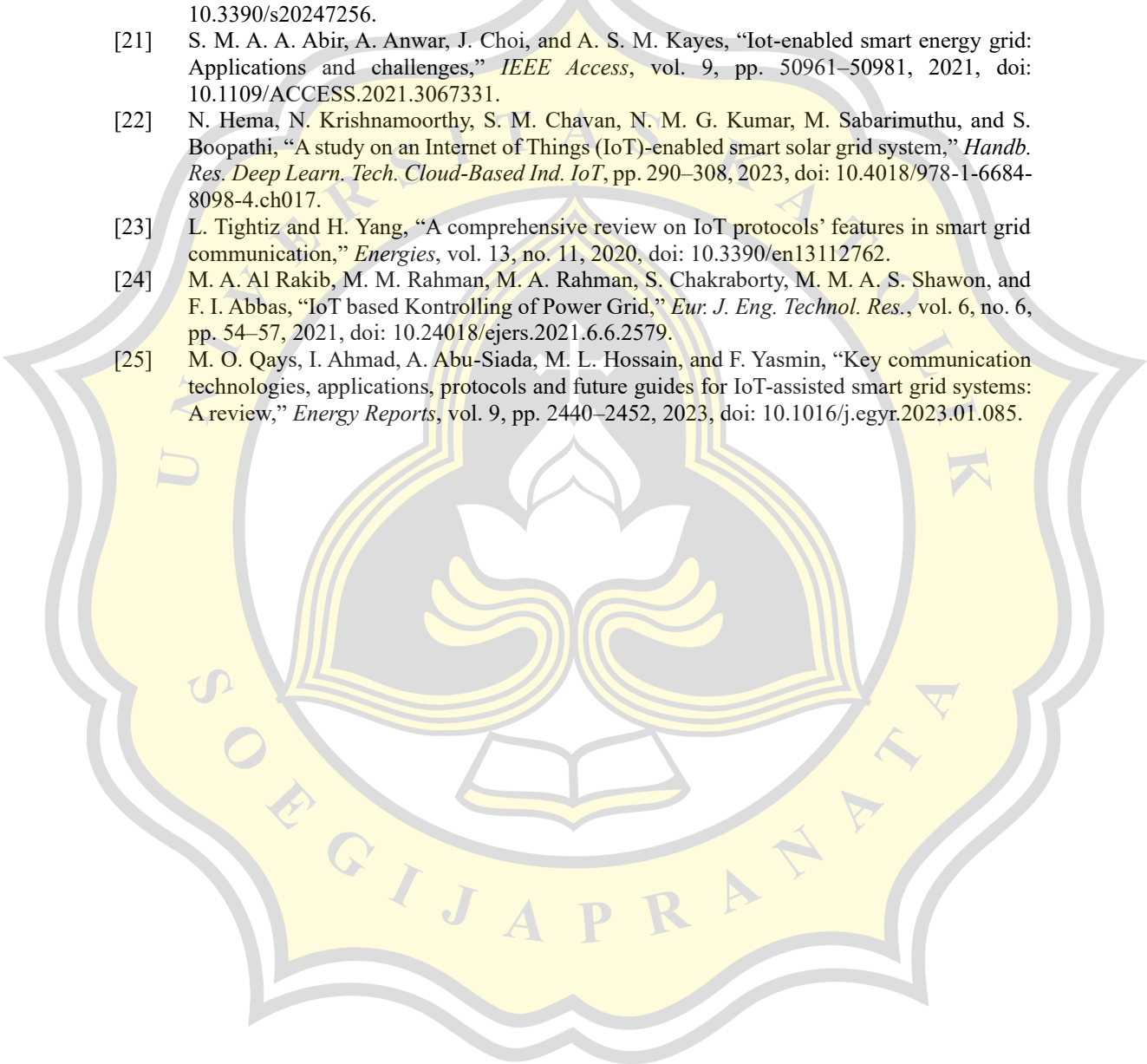


DAFTAR PUSTAKA

- [1] H. Bhattarai, "Renewable energy and energy storage systems," *Energy Convers. Methods, Technol. Futur. Dir.*, pp. 269–289, 2022, doi: 10.52305/wxnj6607.
- [2] M. K. G. Deshmukh, M. Sameeroddin, D. Abdul, and M. Abdul Sattar, "Renewable energy in the 21st century: A review," *Mater. Today Proc.*, vol. 80, no. xxxx, pp. 1756–1759, 2023, doi: 10.1016/j.matpr.2021.05.501.
- [3] T. Güney, "Renewable energy, non-renewable energy and sustainable development," *Int. J. Sustain. Dev. World Ecol.*, vol. 26, no. 5, pp. 389–397, 2019, doi: 10.1080/13504509.2019.1595214.
- [4] M. Sharaf, M. S. Yousef, and A. S. Huzayyin, "Review of cooling techniques used to enhance the efficiency of photovoltaic power systems," *Environ. Sci. Pollut. Res.*, vol. 29, no. 18, pp. 26131–26159, 2022, doi: 10.1007/s11356-022-18719-9.
- [5] E. B. Agyekum, "Techno-economic comparative analysis of solar photovoltaic power systems with and without storage systems in three different climatic regions, Ghana," *Sustain. Energy Technol. Assessments*, vol. 43, no. November 2020, 2021, doi: 10.1016/j.seta.2020.100906.
- [6] Saut Situmorang, "PLTS Design for Small Industry Needs," *J. Sci. Technol.*, vol. 3, no. 1, pp. 102–108, 2021, doi: 10.55299/jst.v3i1.61.
- [7] D. Liestyowati, I. Rachman, E. Firmansyah, and Mujiburrohman, "Rancangan Sistem Pembangkit Listrik Tenaga Surya (PLTS) Berkapasitas 100 WP dengan Inverter 1000 Watt," *INSOLOGI J. Sains dan Teknol.*, vol. 1, no. 5, pp. 623–634, 2022, doi: 10.55123/insologi.v1i5.1027.
- [8] Z. Tharo, E. Syahputra, and R. Mulyadi, "Analysis of Saving Electrical Load Costs With a Hybrid Source of Pln-Plts 500 Wp," *J. Appl. Eng. Technol. Sci.*, vol. 4, no. 1, pp. 235–243, 2022, doi: 10.37385/jaets.v4i1.1024.
- [9] M. Siregar, C. H. Pardosi, K. O. Bachri, T. Nur, and L. W. Pandjaitan, "Comparison of Actual Results and PVSyst Simulation in the Design of Off-Grid Solar Power Generation System (PLTS) in Karuni Village, Southwest Sumba," *J. Elektro*, vol. 17, no. 1, pp. 1–12, 2024, doi: 10.25170/jurnalelektro.v17i1.5419.
- [10] Wahyu Bagus Rahmatulloh and Aris Heri Andriawan, "Rancang Bangun PLTS Menggunakan Sistem Hybrid Pada Rumah Tangga Untuk Mengurangi Ketergantungan Energi Listrik Dari PLN," *Uranus J. Ilm. Tek. Elektro, Sains dan Inform.*, vol. 2, no. 3, pp. 58–72, 2024, doi: 10.61132/uranus.v2i3.207.
- [11] M. A. Ferrag, M. Babaghayou, and M. A. Yazici, "Cyber security for fog-based smart grid SCADA systems: Solutions and challenges," *J. Inf. Secur. Appl.*, vol. 52, pp. 1–13, 2020, doi: 10.1016/j.jisa.2020.102500.
- [12] G. Yadav and K. Paul, "Architecture and security of SCADA systems: A review," *Int. J. Crit. Infrastruct. Prot.*, vol. 34, 2021, doi: 10.1016/j.ijcip.2021.100433.
- [13] L. Ahsan, M. J. A. Baig, and M. T. Iqbal, "Low-Cost, Open-Source, Emoncms-Based SCADA System for a Large Grid-Connected PV System," *Sensors*, vol. 22, no. 18, 2022, doi: 10.3390/s22186733.
- [14] T. Akhtar and B. B. Gupta, "Analysing smart power grid against different cyber attacks on SCADA system," *Int. J. Innov. Comput. Appl.*, vol. 12, no. 4, pp. 195–205, 2021, doi: 10.1504/IJICA.2021.116656.
- [15] O. B. J. Rabie, P. K. Balachandran, M. Khojah, and S. Selvarajan, "A Proficient ZESO-DRKFC Model for Smart Grid SCADA Security," *Electron.*, vol. 11, no. 24, 2022, doi: 10.3390/electronics11244144.
- [16] O. B. J. Rabie, S. Selvarajan, D. Alghazzawi, A. Kumar, S. Hasan, and M. Z. Asghar, "A security model for smart grid SCADA systems using stochastic neural network," *IET Gener. Transm. Distrib.*, vol. 17, no. 20, pp. 4541–4553, 2023, doi: 10.1049/gtd2.12943.
- [17] S. Zhu and C. Hu, "Design of A Grid-connected Kontrol System for Distributed Photovoltaic Power Generation Based on PLC," *J. Phys. Conf. Ser.*, vol. 2399, no. 1, 2022, doi: 10.1088/1742-6596/2399/1/012024.

- 
- [18] M. M. Roomi, W. S. Ong, D. Mashima, and S. S. M. Hussain, "OpenPLC61850: An IEC 61850 MMS compatible open source PLC for smart grid research," *SoftwareX*, vol. 17, p. 100917, 2022, doi: 10.1016/j.softx.2021.100917.
- [19] V. Imbrea, C. Petrescul, and D. Lucache, "PLC Integration in the Grid Connection of a Non-Dispatchable Renewable Energy Source," *EPE 2020 - Proc. 2020 11th Int. Conf. Expo. Electr. Power Eng.*, no. Epe, pp. 738–743, 2020, doi: 10.1109/EPE50722.2020.9305653.
- [20] P. Negirla, R. Druță, and I. Silea, "Availability improvements through data slicing in PLC smart grid networks," *Sensors (Switzerland)*, vol. 20, no. 24, pp. 1–18, 2020, doi: 10.3390/s20247256.
- [21] S. M. A. A. Abir, A. Anwar, J. Choi, and A. S. M. Kayes, "Iot-enabled smart energy grid: Applications and challenges," *IEEE Access*, vol. 9, pp. 50961–50981, 2021, doi: 10.1109/ACCESS.2021.3067331.
- [22] N. Hema, N. Krishnamoorthy, S. M. Chavan, N. M. G. Kumar, M. Sabarimuthu, and S. Boopathi, "A study on an Internet of Things (IoT)-enabled smart solar grid system," *Handb. Res. Deep Learn. Tech. Cloud-Based Ind. IoT*, pp. 290–308, 2023, doi: 10.4018/978-1-6684-8098-4.ch017.
- [23] L. Tightiz and H. Yang, "A comprehensive review on IoT protocols' features in smart grid communication," *Energies*, vol. 13, no. 11, 2020, doi: 10.3390/en13112762.
- [24] M. A. Al Rakib, M. M. Rahman, M. A. Rahman, S. Chakraborty, M. M. A. S. Shawon, and F. I. Abbas, "IoT based Kontrolling of Power Grid," *Eur. J. Eng. Technol. Res.*, vol. 6, no. 6, pp. 54–57, 2021, doi: 10.24018/ejers.2021.6.6.2579.
- [25] M. O. Qays, I. Ahmad, A. Abu-Siada, M. L. Hossain, and F. Yasmin, "Key communication technologies, applications, protocols and future guides for IoT-assisted smart grid systems: A review," *Energy Reports*, vol. 9, pp. 2440–2452, 2023, doi: 10.1016/j.egy.2023.01.085.