

DAFTAR PUSTAKA

- [1] BPPT, *Indonesia Energy Outlook 2018: Sustainable Energy for Land Transportation*, vol. 134, no. 4. 2018.
- [2] Badan Pusat Statistik 2017, “Perkembangan Jumlah Kendaraan Bermotor Menurut Jenis oleh Korps Lalu Lintas Kepolisian Republik Indonesia.” .
- [3] W. Xu, J. Zhu, Y. Guo, S. Wang, Y. Wang, and Z. Shi, “Survey on electrical machines in electrical vehicles,” *2009 Int. Conf. Appl. Supercond. Electromagn. Devices, ASEMD 2009*, no. c, pp. 167–170, 2009, doi: 10.1109/ASEMD.2009.5306667.
- [4] M. Zeraoulia, M. E. H. Benbouzid, and D. Diallo, “Electric motor drive selection issues for HEV propulsion systems: A comparative study,” *IEEE Trans. Veh. Technol.*, vol. 55, no. 6, pp. 1756–1764, 2006, doi: 10.1109/TVT.2006.878719.
- [5] T. S. Aglan and H. A. Ashour, “Reduced voltage combined AC motor and drive system for safe electric vehicle,” *2012 1st Int. Conf. Renew. Energies Veh. Technol. REVET 2012*, pp. 199–205, 2012, doi: 10.1109/REJET.2012.6195271.
- [6] C. S. J., *Electric Machinery Fundamentals 4th edition*. New York: Mc Graw Hill, 2005.
- [7] R. Chaudhary, A. Shahpatel, and S. Patel, “Optimal design of Induction Motor using Genetic Algorithm and comparison with conventionally Designed Induction motor,” *1st IEEE Int. Conf. Power Electron. Intell. Control Energy Syst. ICPEICES 2016*, pp. 1–4, 2017, doi: 10.1109/ICPEICES.2016.7853678.
- [8] A. Krishnamoorthy and K. Dharmalingam, “Multi-objective design optimization of three phase induction motor using Hooke and Jeeves method & GA,” *Proc. Int. Conf. “Recent Adv. Sp. Technol. Serv. Clim. Chang. - 2010”, RSTS CC-2010*, pp. 413–418, 2010, doi: 10.1109/RSTSCC.2010.5712879.
- [9] S. P. Verma, “50 Hz Induction Motor Employing Genetic Algorithm / Improved Genetic Algorithm using Sweep Frequency Response Analysis,” *Engineering*, vol. 1, no. 2, pp. 108–115, 2011.
- [10] G. Liuzzi, S. Lucidi, F. Parasiliti, and M. Villani, “Multiobjective optimization techniques for the design of induction motors,” *IEEE Trans. Magn.*, vol. 39, no. 3 I, pp. 1261–1264,

2003, doi: 10.1109/TMAG.2003.810193.

- [11] M. Çunkaş and R. Akkaya, “Design optimization of induction motor by genetic algorithm and comparison with existing motor,” *Math. Comput. Appl.*, vol. 11, no. 3, pp. 193–203, 2006, doi: 10.3390/mca11020193.
- [12] D. H. Cho, H. K. Jung, and C. G. Lee, “Induction motor design for electric vehicle using a niching genetic algorithm,” *IEEE Trans. Ind. Appl.*, vol. 37, no. 4, pp. 994–999, 2001, doi: 10.1109/28.936389.
- [13] K. W. Jeon, T. K. Chung, and S. C. Hahn, “NEMA class A slot shape optimization of induction motor for electric vehicle using response surface method,” *2011 Int. Conf. Electr. Mach. Syst. ICEMS 2011*, pp. 1–4, 2011, doi: 10.1109/ICEMS.2011.6073692.
- [14] Y. Shen, C. Zhu, and X. Wang, “Slot Optimization Design of Induction Motor for Electric Vehicle,” *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 301, no. 1, 2018, doi: 10.1088/1757-899X/301/1/012081.
- [15] M. J. Akhtar and R. K. Behera, “Optimal design of stator and rotor slot of induction motor for electric vehicle applications,” *IET Electr. Syst. Transp.*, vol. 9, no. 1, pp. 35–43, 2019, doi: 10.1049/iet-est.2018.5050.
- [16] C. C. Chan, “The State of the Art of Electric Vehicle.pdf,” *Proc. IEEE*, vol. 90, no. 2, pp. 247–275, 2002.
- [17] P. Nuno and J. L. Afonso, “HSCI ’ 2006 – 3rd International Conference on Hands-on Science – Science Education and Sustainable Development Traction System for Electric Vehicles Using a Variable Frequency Three-Phase Induction Motor Driver with Regenerative Braking,” *Symp. A Q. J. Mod. Foreign Lit.*, pp. 9–11, 2006.
- [18] T. Wang, P. Zheng, Q. Zhang, and S. Cheng, “Design characteristics of the induction motor used for hybrid electric vehicle,” *2004 12th Symp. Electromagn. Launch Technol.*, no. December 2019, pp. 523–527, 2004, doi: 10.1109/elt.2004.1398136.
- [19] W. Wei, W. Qingnian, Y. Yuanbin, Z. Xiaohua, and Z. Naiwei, “Study on the operation region of induction traction motor for electric vehicle,” *2009 Int. Conf. Meas. Technol. Mechatronics Autom. ICMTMA 2009*, vol. 2, pp. 699–703, 2009, doi: 10.1109/ICMTMA.2009.540.
- [20] A. Harson, P. H. Mellor, and D. Howe, “Design considerations for induction machines for

- electric vehicle drives,” *IEE Conf. Publ.*, no. 412, pp. 16–20, 1995, doi: 10.1049/cp:19950827.
- [21] S. Cheng, C. Li, feng Chai, and H. Gong, “Research on Induction Motor for Mini Electric Vehicles,” *Energy Procedia*, vol. 17, pp. 249–257, 2012, doi: 10.1016/j.egypro.2012.02.091.
- [22] P. Lumyong and P. Sarikprueck, “A Study on Induction Motor Efficiency Improvement for Implementing in Electric Vehicle,” *ICEMS 2018 - 2018 21st Int. Conf. Electr. Mach. Syst.*, no. 2, pp. 616–619, 2018, doi: 10.23919/ICEMS.2018.8549478.
- [23] D. J. Kim, J. H. Choi, Y. Do Chun, D. H. Koo, and P. W. Han, “The study of the stray load loss and mechanical loss of three phase induction motor considering experimental results,” *J. Electr. Eng. Technol.*, vol. 9, no. 1, pp. 121–126, 2014, doi: 10.5370/jeet.2014.9.1.121.
- [24] M. T. Guneser, A. Dalcali, T. Ozturk, and C. Ocak, “Influence of rotor slot structure at starting torque and efficiency on urban use EV motor,” *5th Int. Conf. Power Gener. Syst. Renew. Energy Technol. PGSRET 2019*, pp. 26–27, 2019, doi: 10.1109/PGSRET.2019.8882707.
- [25] P. Mishra and S. Saha, “Design modeling and simulation of low voltage squirrel cage induction motor for medium weight electric vehicle,” *Proc. 2013 Int. Conf. Adv. Comput. Commun. Informatics, ICACCI 2013*, pp. 1697–1704, 2013, doi: 10.1109/ICACCI.2013.6637437.
- [26] A. Faizan, “Three Phase Induction Motor Construction | Electrical Academia.” [Online]. Available: <http://electricalacademia.com/induction-motor/three-phase-induction-motor-construction/>. [Accessed: 15-Mar-2019].
- [27] A. Boldea, I., Nasar, *Induction Machines Design Handbook*. 2002.
- [28] C. Clement, “Skin Effect in Electrical Conductors : Any Commercially Viable Solution ?,” no. October 2014, pp. 2–7, 2016, doi: 10.13140/RG.2.1.2368.7920.
- [29] Hamdi Essam.S, *Design of Small Electrical Machines*. 1994.
- [30] Y. L. Karnavas and I. D. Chasiotis, “Influence of soft magnetic materials application to squirrel cage induction motor design and performance,” *Eng. J.*, vol. 21, no. 1, pp. 193–206, 2017, doi: 10.4186/ej.2017.21.1.193.
- [31] R. Richter, “Electrical Machines: Induction Machines,” 1954. .

- [32] A. Krings and J. Soulard, "Overview and Comparison of Iron Loss Models for Electrical Machines," *J. Electr. Eng.*, vol. 10, no. 3, pp. 162–169, 2010.
- [33] J. Jamaluddin, "ALGORITMA GENETIK," vol. 2, pp. 14–20, 2012.
- [34] R. Thangaraj, T. R. Chelliah, P. Bouvry, M. Pant, and A. Abraham, "Optimal design of induction motor for a spinning machine using population based metaheuristics," *2010 Int. Conf. Comput. Inf. Syst. Ind. Manag. Appl. CISIM 2010*, vol. 2, no. 7, pp. 341–346, 2010, doi: 10.1109/CISIM.2010.5643638.
- [35] A. C. Squirrel-, "Nema Mg 10 Energy Management Guide for Selection and Use of Fixed Frequency Medium Ac Squirrel- Induction," 2017.
- [36] "RANDOM." [Online]. Available: <https://www.random.org/>.