

## DAFTAR PUSTAKA

- Abdul Hakim dan Bambang Sudarmanta. (2016). *Karakterisasi Unjuk Kerja Generator Gas HHO Tipe Dry Cell dengan Elektroda Titanium dan Penambahan PWM*.
- Akhmad Daudi Shabahaini, dan Mastiadi Tamjidillah (2019). *Pengaruh Jarak Antar Elektroda Plat Besi Terhadap Produktivitas Dan Efisiensi Generator Hho Menggunakan Metode Elektrolisis Air Laut Dengan Katalis Koh*.
- Al-Rousan, A. A., dan Musmar, S. A. (2018). Effect of anodes-cathodes inter-distances of HHO fuel cell on gasoline engine performance operating by a blend of HHO. *International Journal of Hydrogen Energy*, 43(41), 19213–19221.
- Asnawi, Muhammad, Putra, R., dan Islami, N. (2025). Effect of Hydroxy Gas Enrichment and Higher Biodiesel Concentration on Diesel Engine Performance. *Automotive Experiences*, 8(1), 216–226. <https://doi.org/10.31603/ae.12903>
- Bhardwaj, S., Singh Verma, A., dan Sharma, S. K. (2014). International Journal of Emerging Technology and Advanced Engineering Effect Of Brown Gas On The Performance Of A Four Stroke Gasoline Engine. In *Certified Institute Ghaziabad* (Vol. 4, Issue 1). [www.ijetae.com](http://www.ijetae.com)
- Bunge, L., Silva, H. G., Cruz, P. L., dan Iten, M. (2022). Testing of a Low-Cost Dry Cell Prototype for Oxyhydrogen Production. *Designs*, 6(5). <https://doi.org/10.3390/designs6050079>
- Gambou, F., Guilbert, D., Zasadzinski, M., dan Rafaralahy, H. (2022). A Comprehensive Survey of Alkaline Electrolyzer Modeling: Electrical Domain and Specific Electrolyte Conductivity. In *Energies* (Vol. 15, Issue 9). MDPI. <https://doi.org/10.3390/en15093452>
- Huyett, M. Kansas. (2022). *Engineering Handbook*. [www.mcmaster.com](http://www.mcmaster.com),
- Jang, D., Choi, W., Cho, H. S., Cho, W. C., Kim, C. H., dan Kang, S. (2021). Numerical modeling and analysis of the temperature effect on the performance of an alkaline water electrolysis system. *Journal of Power Sources*, 506. <https://doi.org/10.1016/j.jpowsour.2021.230106>
- Khotimah, H., Anggraeni, E. W., Hasil, K., Air, P., Menggunakan, A. S., Destilasi, A., dan Setianingsih, A. (n.d.). *Characterization Of Water Processing Using Distillation Equipment*.
- Kristian H. Sugiyarto, dan Retno D. Suyanti. (2010). *Kimia anorganik logam* (1st ed.). Graha Ilmu.
- Li, W., Tian, H., Ma, L., Wang, Y., Liu, X., dan Gao, X. (2022). Low-temperature water electrolysis: fundamentals, progress, and new

- strategies. In *Materials Advances* (Vol. 3, Issue 14, pp. 5598–5644). Royal Society of Chemistry. <https://doi.org/10.1039/d2ma00185c>
- Mughal, W., Ji, P., Rauf, U., Junping, L., Waheed, A., dan Kumar, P. (2024). Stability and performance investigation using different electrode configurations and electrolyte compositions in an oxyhydrogen gas generator. *RSC Advances*, *14*(53), 39131–39141. <https://doi.org/10.1039/D4RA07816K>
- Muhid, A., dan Si, M. (2019). *Analisis Statistik 5 Langkah Praktis Analisis Statistik dengan SPSS for Windows Edisi ke 2*.
- Muthu, V. S. S., Osman, S. A., dan Osman, S. A. (2022). A Review of the Effects of Plate Configurations and Electrolyte Strength on Production of Brown Gas Using Dry Cell Oxyhydrogen Generator. *Journal of Advanced Research in Fluid Mechanics and Thermal Sciences*, *99*(1), 1–8. <https://doi.org/10.37934/arfmts.99.1.18>
- Nabil, T., dan Khairat Dawood, M. M. (2019). Enabling efficient use of oxyhydrogen gas (HHO) in selected engineering applications; transportation and sustainable power generation. *Journal of Cleaner Production*, *237*. <https://doi.org/10.1016/j.jclepro.2019.117798>
- Najafi, B., Haghghatshoar, F., Ardabili, S., S. Band, S., Chau, K. wing, dan Mosavi, A. (2021). Effects of low-level hydroxy as a gaseous additive on performance and emission characteristics of a dual fuel diesel engine fueled by diesel/biodiesel blends. *Engineering Applications of Computational Fluid Mechanics*, *15*(1), 236–250. <https://doi.org/10.1080/19942060.2021.1871960>
- Novan Yoga Prasetya, Abdul Wahab, Ena Marlina (2017). *Pengaruh Prosentase Fraksi Massa Naoh (Natrium Hidroksida) Sebagai Katalis Dalam Proses Eletrolisis Dengan Menggunakan Elektroliser Tipe Dry Cell*.
- Prasetyo, Jenny Primanita Diningrum, Raden Hengki Rahmanto *Analisis Penggunaan Variasi Katalis Naoh, Nacl, Dan Koh Terhadap Laju Aliran Gas Hho*.
- Ridhwan, A. M., Mansor, M. R., Tamaldin, N., Latief, F. H., dan Repi, V. V. R. (2023). Effect of KOH Concentration on the Performance of HHO Generator at Varying Plate Surface Textures. *Journal of Advanced Research in Fluid Mechanics and Thermal Sciences*, *106*(2), 116–128. <https://doi.org/10.37934/arfmts.106.2.116128>
- Rodríguez, J., dan Amores, E. (2020). Cfd modeling and experimental validation of an alkaline water electrolysis cell for hydrogen production. *Processes*, *8*(12), 1–17. <https://doi.org/10.3390/pr8121634>

- Santos, A. L., Cebola, M. J., dan Santos, D. M. F. (2021). Towards the hydrogen economy—a review of the parameters that influence the efficiency of alkaline water electrolyzers. *Energies*, *14*(11). <https://doi.org/10.3390/en14113193>
- Shiva Kumar, S., dan Lim, H. (2022). An overview of water electrolysis technologies for green hydrogen production. In *Energy Reports* (Vol. 8, pp. 13793–13813). Elsevier Ltd.
- Sudarmanta, B., Darsopuspito, S., dan Sungkono, D. (2016). Application Of Dry Cell Hho Gas Generator With Pulse Width Modulation On Sinjai Spark Ignition Engine Performance. In *IJRET: International Journal of Research in Engineering and Technology*. <http://www.ijret.org>
- Suniati, S., Hendrajaya, L., dan Pengajaran Fisika, M. (2015). *Fisika Air Sebagai Peradaban Manusia (Tinjauan Sifat Merekam Dari Air Paramagnetik)*. <http://saripedia.wordpress.com>
- Velasco-Plascencia, M., Vázquez-Gómez, O., Olmos, L., Reyes-Calderón, F., Vergara-Hernández, H. J., dan Villalobos, J. C. (2023). Determination of Activation Energy on Hydrogen Evolution Reaction for Nickel-Based Porous Electrodes during Alkaline Electrolysis. *Catalysts*, *13*(3). <https://doi.org/10.3390/catal13030517>