

## DAFTAR PUSTAKA

- Adams, K., 2016. Design, Fabrication, and Testing of a Turbine-Less Jet Engine with Inlet Air Compressor.
- aerial189. (2020). Upgrade motor brushless 2850 RC 1/16 1/14 1/12 w/toys XLH MJX LC GP. Tokopedia.com. [https://www.tokopedia.com/aerial189/upgrade-motor-brushless-2850-rc-1-16-1-14-1-12-w/toys-xlh-mjx-lc-gp-6560kv-4fe14?extParam=ivf%3Dfalse%26keyword%3Dgoolrc+s3650%26search\\_id%3D20260120123917EF0D3930A7B6C9047IMG%26src%3Dsearch](https://www.tokopedia.com/aerial189/upgrade-motor-brushless-2850-rc-1-16-1-14-1-12-w/toys-xlh-mjx-lc-gp-6560kv-4fe14?extParam=ivf%3Dfalse%26keyword%3Dgoolrc+s3650%26search_id%3D20260120123917EF0D3930A7B6C9047IMG%26src%3Dsearch)
- AF\_Shop. (2017). Motor Brushless BL 3650 3100KV 3900KV 4Poles untuk RC Boat Car. Shopee.co.id. [https://shopee.co.id/Motor-Brushless-BL-3650-3100KV-3900KV-4Poles-untuk-RC-Boat-Car-i.30918253.21690879641?extraParams=%7B%22display\\_model\\_id%22%3A99030320746%2C%22model\\_selection\\_logic%22%3A3%7D&sp\\_atk=69adaf4b-a041-463e-a223-1b3b3812072f&xptdk=69adaf4b-a041-463e-a223-1b3b3812072f](https://shopee.co.id/Motor-Brushless-BL-3650-3100KV-3900KV-4Poles-untuk-RC-Boat-Car-i.30918253.21690879641?extraParams=%7B%22display_model_id%22%3A99030320746%2C%22model_selection_logic%22%3A3%7D&sp_atk=69adaf4b-a041-463e-a223-1b3b3812072f&xptdk=69adaf4b-a041-463e-a223-1b3b3812072f)
- Benson, T. (2019). General Thrust Equation. Nasa.gov. <https://www.grc.nasa.gov/WWW/k-12/VirtualAero/BottleRocket/airplane/thrsteq.html>
- BIS Research, 2025. 'UAV Propulsion System Trends Reshaping Asia-Pacific in 2025.' URL: <https://bisresearch.com/insights/uav-propulsion-system-trends-reshaping-asia-pacific-in-2025> (diakses tanggal 5/12/2025).
- Boyce, M.P., 2002. *Gas Turbine Engineering Handbook*, 2. ed. Gulf Professional Publ, Boston, Mass.
- Buchanan, T., Anderson, I., and Woodard, S., 2016. Ultralight Turbine-less Jet Engine.
- Çengel, Y.A. and Boles, M.A., 2015. *Thermodynamics: An Engineering Approach*, 8. edition in SI units. McGraw-Hill Education, New York, NY.

- Csank, J. and Thomas, G.L., 2017. 'Dynamic Analysis for a Geared Turbofan Engine with Variable Area Fan Nozzle,' *53rd AIAA/SAE/ASEE Joint Propulsion Conference*. Presented at the 53rd AIAA/SAE/ASEE Joint Propulsion Conference, American Institute of Aeronautics and Astronautics, Atlanta, GA.
- Farokhi, S., 2014. *Aircraft Propulsion*, 2nd ed. John Wiley & Sons Ltd.
- Japan Airlines, 2009. JAL flight brings aviation one step closer to using biofuel. *Aircraft Engineering and Aerospace Technology* **81**: .
- jambuluwukstore. (2020). NEW OCDAY bl3650 3900KV Motor Brushless Anti Air untuk Mobil Balap RC di jambuluwukstore | Tokopedia. Tokopedia. <https://www.tokopedia.com/jambuulu/new-ocday-bl3650-3900kv-motor-brushless-anti-air-untuk-mobil-balap-rc>
- Ji, Z., Qin, J., Cheng, K., Dang, C., Zhang, S., and Dong, P., 2019. Thermodynamic performance evaluation of a turbine-less jet engine integrated with solid oxide fuel cells for unmanned aerial vehicles. *Applied Thermal Engineering* **160**: 114093.
- Ji, Z., Rokni, M.M., Qin, J., Zhang, S., and Dong, P., 2021. Performance and size optimization of the turbine-less engine integrated solid oxide fuel cells on unmanned aerial vehicles with long endurance. *Applied Energy* **299**: 117301.
- Kroyan, Y., Wojcieszek, M., Kaario, O., and Larimi, M., 2022. Modeling the impact of sustainable aviation fuel properties on end-use performance and emissions in aircraft jet engines. *Energy* **255**: 124470.
- Kurzawska-Pietrowicz, P., Szrama, S., Jasiński, R., and Siedlecki, M., 2025. Evaluation of jet engine performance parameters fueled with sustainable aviation fuel. *Combustion Engines*.
- Lefebvre, A.H. dan Ballal, D.R., 2010. *Gas Turbine Combustion*, 3rd ed. CRC Prss, United States of America.
- Libre Text Chemistry. (2016, October 24). 4.5: Composition, Decomposition, and Combustion Reactions. Chemistry LibreTexts. [https://chem.libretexts.org/Bookshelves/Introductory\\_Chemistry/Beginning\\_C](https://chem.libretexts.org/Bookshelves/Introductory_Chemistry/Beginning_C)

[hemistry \(Ball\)/04%3A Chemical Reactions and Equations/4.05%3A Com  
position Decomposition and Combustion Reactions](#)

Ly, L.T., 2010. 'Computational Investigation and Experimental Validation of a Small Subsonic Turbine-Less Jet Engine Concept.' *PhD Thesis*. California State University, Los Angeles.

MarketsandMarkets, 2025. 'UAV (Drone) Propulsion Market worth \$11.3 billion by 2030 - Exclusive Report by MarketsandMarkets™.' URL: <https://www.prnewswire.com/news-releases/uav-drone-propulsion-market-worth-11-3-billion-by-2030---exclusive-report-by-marketsandmarkets-302489332.html> (diakses tanggal 5/12/2025).

Mazlan, N.M., Savill, M., and Kipouros, T., 2015. Effects of biofuels properties on aircraft engine performance. *Aircraft Engineering and Aerospace Technology* **87**: 437–442.

Mirea, R., 2025. The Use of Jet A Aviation Fuel Blended with Biodiesel and Alcohols as a Sustainable Aviation Fuel: A Review. *Energies* **18**: 1575.

NASA, 2000. 'Specific Fuel Consumption.' URL: <https://www.grc.nasa.gov/www/k-12/VirtualAero/BottleRocket/airplane/sfc.html> (diakses tanggal 31/12/2025).

Ones.St0re. (2020). Metal Spur Gear 54t 32p For Traxxas Slash 4x4 Remo Hobby 8035 8036. Tokopedia.com. [https://www.tokopedia.com/onesnet/metal-spur-gear-54t-32p-for-traxxas-slash-4x4-remo-hobby-8035-8036?extParam=ivf%3Dfalse%26keyword%3Dspur+gear+54t+metal%26search\\_id%3D20250312183206439AD2F37D0CC02774R2%26src%3Dsearch](https://www.tokopedia.com/onesnet/metal-spur-gear-54t-32p-for-traxxas-slash-4x4-remo-hobby-8035-8036?extParam=ivf%3Dfalse%26keyword%3Dspur+gear+54t+metal%26search_id%3D20250312183206439AD2F37D0CC02774R2%26src%3Dsearch)

Process Engineer's Tools, 2020. *Compressor power calculation - centrifugal, rotary, reciprocating compressors*. Myengineeringtools.com. [https://www.myengineeringtools.com/Compressors/Tools\\_Compressor\\_Power.html](https://www.myengineeringtools.com/Compressors/Tools_Compressor_Power.html)

Random Nerd Tutorials. (2022). Arduino Load Cell Diagram [Online Image]. In Arduino with Load Cell and HX711 Amplifier (Digital Scale). <https://i0.wp.com/randomnerdtutorials.com/wp->

[content/uploads/2022/04/Arduino-load-cell-diagram\\_bb.png?resize=1024%2C624&quality=100&strip=all&ssl=1](#)

- Rostami, M., Farajollahi, A.H., Marefati, M., Fili, R., dan Bagherpor, F., 2022. A comparative Analysis and Optimization of two Supersonic Hybrid Solid Oxide Fuel Cell and Turbine-less Jet Engine Propulsion Systems for Unmanned Aerial Vehicles. *Renewable Energy Research and Applications* **3**: .
- Santos, S. (2022, April 27). Arduino with Load Cell and HX711 Amplifier (Digital Scale) | Random Nerd Tutorials. Random Nerd Tutorials. <https://randomnerdtutorials.com/arduino-load-cell-hx711/>
- Santoso, R.R., Wuwung, V., Annisa, R.F.N., and Kartanegara, R.S., 2023. Design of Mini Turbojet Engine Combustion Chamber Liner With 200N Static Thrust 1: Shenzhen Surpass Tech Co., Ltd. (2024). KK 36 SERIES WATERPROOF BRUSHLESS MOTOR USER MANUAL. [Www.surpass-hobby.com](http://www.surpass-hobby.com); Shenzhen Surpass Tech Co., Ltd. <https://www.surpass-hobby.com/kk-36-series-waterproof-brushless-motor-user-manual/>
- South African Council For Scientific And Industrial Research. Division Of Building And Construction Technology, 2000. *Guidelines for Human Settlement Planning and Design*. CSIR Building And Construction Technology, Pretoria.
- Suchocki, T., 2024. Performance and Emission Characteristics of a Small Gas Turbine Engine Using Hexanol as a Biomass-Derived Fuel. *Materials* **17**: 6011.
- Sundararaj, R.H., Sekar, T.C., Arora, R., and Kushari, A., 2021. Effect of nozzle exit area on the performance of a turbojet engine. *Aerospace Science and Technology* **116**: 106844.
- The Engineering ToolBox, 2003. 'Higher Calorific Values of Common Fuels: Reference & Data.' URL: [https://www.engineeringtoolbox.com/fuels-higher-calorific-values-d\\_169.html](https://www.engineeringtoolbox.com/fuels-higher-calorific-values-d_169.html) (diakses tanggal 31/12/2025).
- Tokos3dia. (2020). T & T goolrc s3650 3900KV Motor Sensorless Brushless untuk RC Mobil di Tokos3dia | Tokopedia. Tokopedia.com. <https://www.tokopedia.com/tokosedia-3/t-t-goolrc-s3650-3900kv-motor->

[sensorless-brushless-untuk-rc-mobil?aff\\_unique\\_id=&channel=others&chain\\_key=](#)

- Villarreal-Valderrama, F., Zambrano-Robledo, P., Hernandez-Alcantara, D., and Amezcuita-Brooks, L., 2021. Turbojet Thrust Augmentation through a Variable Exhaust Nozzle with Active Disturbance Rejection Control. *Aerospace* **8**: 293.
- Vitz, E. (2016, July 21). Bio-diesel and Thermodynamics. Chemistry LibreTexts. [https://chem.libretexts.org/Ancillary\\_Materials/Exemplars\\_and\\_Case\\_Studies/Exemplars/Environmental\\_and\\_Green\\_chemistry/Bio-diesel\\_and\\_Thermodynamics](https://chem.libretexts.org/Ancillary_Materials/Exemplars_and_Case_Studies/Exemplars/Environmental_and_Green_chemistry/Bio-diesel_and_Thermodynamics)
- World Nuclear Association, 2025. 'Heat Values of Various Fuels - World Nuclear Association.' URL: <https://world-nuclear.org/information-library/facts-and-figures/heat-values-of-various-fuels> (diakses tanggal 31/12/2025).
- Xu, J., Wang, X., Wang, Z., Yang, K., Li, X., and Zhao, Y., 2025. Comprehensive Thermodynamic Performance Evaluation of a Novel Dual-Shaft Solid Oxide Fuel Cell Hybrid Propulsion System. *Aerospace* **12**: 59.
- Xu, S., Leng, S., Cheng, K., Li, C., Ji, Y., Liu, Z., et al., 2025. Performance evaluation of the precooled jet engine with solid oxide fuel cell driven compressor for supersonic transport. *Energy* **335**: 137846.