

## DAFTAR PUSTAKA

- Anand, U., Sudhakar, Y., Thileepanragu, R., Gopinathan, V.T., Rajasekar, R. 2010. *Passive Flow Control Over NACA 2412 Airfoil Using Vortex Generator*. Proceedings of the 37<sup>th</sup> International Conference on Fluid Mechanics and Fluid Power. FMFP10 – FP – 12.
- Anderson, J.D. 2017. *Fundamentals of Aerodynamics*. 6<sup>th</sup> Edition. McGraw-Hill Education. New York.
- ANSYS. 2018. *ANSYS Fluent Theory Guide*. SAS IP. Pennsylvania.
- Barrett, R. and Farokhi, S. 1993. *On the Aerodynamics and Performance of Active Vortex Generators*. Aerospace Engineering Department. Kansas. <https://researchgate.net/publication/23861819>. [Accessed 13<sup>th</sup> June 2023].
- Cengel, Y.A., Cimbala, J.M. 2017. *Fluid Mechanics: Fundamentals and Applications 4<sup>th</sup> Edition*. McGraw-Hill Education. New York.
- Clancy, L.J. 1975. *Aerodynamics*. Arnold-Heinemann, New Delhi.
- Duchateau, P. and Zachmann, D.W. 1988. *Schaum's Outline of Theory and Problem of Partial Differential Equations*. McGraw-Hill Book Company. New York.
- Fawwaz, W. 2019. *Studi Numerik Aliran Fluida Sekitar Pesawat Chengdu J-10 dengan Sayap SAAB JAS-39 Gripen terhadap Berbagai Sudut Serang*. Universitas Gadjah Mada.
- Ferziger, J.H. and Peric, M. 2002. *Computational Methods for Fluid Dynamics, 3<sup>rd</sup> Edition*. Springer. New York.
- Firmanto, B. 2021. *Studi Numerik Pengaruh Vortex Generator Terhadap Performa Aerodinamika Sayap Airfoil Jenis NACA 2412*. Tesis. Program Studi Magister Teknik Mesin Universitas Gadjah Mada. Yogyakarta.

- Forster, K.J., White T.R. 2014. *Numerical Investigation into Vortex Generators On Heavily Cambered Wings*. AIAA Journal Vol. 52. Sydney. <https://doi.org/10.2514/1.J052529>.
- Hoffmann, K.A. and Chiang, S.T. 2000. *Computational Fluid Dynamics Volume I, 4<sup>th</sup> Edition*. Engineering Education System. Kansas. <https://doi.org/10.4324/9781315608259-2>.
- Kundu, A. K. 2010. *Aircraft Design*. Cambridge University Press. New York.
- Li, X.K., Liu, W., Zhang, T.J., Wang, P.M., and Wang, X.D. 2019. *Analysis of The Effect of Vortex Generator Spacing on Boundary Layer Flow Separation Control*. Applied Sciences 2019, 9(24). <https://doi.org/10.3390/app9245495>.
- Lin, J.C. 2002. *Review of Research on Low-Profile Vortex Generator to Control Boundary Layer Separation*. Progress in Aerospace Sciences, 38, 389-420. Elsevier Science Ltd. [https://doi.org/10.1016/S0376-0421\(02\)00010-6](https://doi.org/10.1016/S0376-0421(02)00010-6).
- Mishra, P., Aharwal, K. 2018. *A Review on Selection of Turbulence Model for CFD Analysis of Air Flow within A Cold Storage*. IOP Conference Series: Materials Science and Engineering 402 – No. 012145.
- NASA. 2017. *NACA Airfoils*. [online] Available at: <https://www.nasa.gov/image-feature/langley/100/naca-airfoils> [Accessed 28<sup>th</sup> February 2023].
- Raymer, D. 2018. *Aircraft Design: A Conceptual Approach 6<sup>th</sup> Edition*. AIAA Inc. Virginia. [online] Available at: <https://doi.org/10.2514/4.104909> [Accessed 28<sup>th</sup> February 2023].
- Roskam, J. 1985. *Airplane Design*. Part I. Kansas: Roskam Aviation & Engineering Corporation.
- Silva, D. and Malatesta, V. 2020. *Numerical Simulation of The Boundary Layer Control on The NACA 0015 Airfoil Through Vortex Generators*. Journal of

Aerospace Technology and Management, 12(1), 1-13.  
<https://doi.org/10.5028/jatm.v12.1102>.

Skopinski, J. 2013. *Aero Service: Vortex Generators*. [online] Available at:  
<https://vortex-generators.com/vortex-generators.html> [Accessed 10<sup>th</sup> March 2023].

Sun, Z. 2015. *Micro Vortex Generators for Boundary Layer Control: Principles and Applications*. International Journal of Flow Control, 7(1-2), 67-86.  
<https://doi.org/10.1260/1756-8250.7.1-2.67>.

Tebbiche, H., Boutoudj M.S. 2014. *Optimized Vortex Generators in the Flow Separation Control Around a NACA 2412 Profile*. Proceedings of the 9<sup>th</sup> International Conference on Structural Dynamics. Université Mouloud Mammeri, Portugal.

Torenbeek E. 1976. *Synthesis of Subsonic Airplane Design: An Introduction to the Preliminary Design of Subsonic General Aviation and Transport Aircraft, with Emphasis on Layout, Aerodynamic Design, Propulsion and Performance*. The Aeronautical Journal Vol. 80, pp.370.  
<https://doi.org/10.1017/S000192400003414X>.

Versteeg, H K., dan Malalasekera, W. 1995. *An Introduction to Computational Fluid Dynamics 2<sup>nd</sup> Edition*. Pearson Education Limited. Glasglow.

Vinodhini, P. J., Samuvel, T. J., Raj, G.S. 2016. *Numerical Analysis of Drag Reduction Method Using Vortex Generator on Symmetric Aerofoil*. International Journal of Engineering Trends and Technology – Volume 35 Number 1. India

Wibowo, S. B., Sutrisno dan Rohmat, T. A. 2019. *Study Of Mesh Independence On The Computational Model Of The Roll-Up Vortex Phenomenon On Fighter And Delta Wing Models*. International Journal of Fluid Mechanics Research, 46(5), hal. 427–439. doi: 10.1615/InterJFluidMechRes.2018025530.

Zeldes, M.J. 2017. *Airfoils in General*. [online] Available at:  
<http://www.dynamicflight.com/aerodynamics/airfoils/> [Accessed 27<sup>th</sup>  
February 2023].

Zhen, T.K., Zubair, M., and Ahmad, K.A. 2011. *Experimental and Numerical  
Investigation of The Effects of Passive Vortex Generators on Aludra UAV  
Performance*. Chinese Journal of Aeronautics, 24(5), 577-583. Elsevier Ltd.  
[https://doi.org/10.1016/S1000-9361\(11\)60067-8](https://doi.org/10.1016/S1000-9361(11)60067-8).