

## REFERENCES

- [1] S. A. Team, *Sikumbang Api Evaluation Book*. AFRG.
- [2] L. Ari, N. Wibawa, B. Uji, P. Antariksa, and I. Nasional, “Analisis Frekuensi Natural Rangka Main Landing Gear Pesawat UAV Menggunakan Ansys Workbench,” *J. Mesin Nusant.*, vol. 5, no. 1, pp. 65–73, 2022.
- [3] M. A. Hasibuan, “Analisis potensi terjadinya resonansi pada kapal patroli cepat dengan metode elemen hingga,” 2017.
- [4] F. Ahmad, P. Kumar, and P. P. Patil, “Analysis of a Pre-Stressed Quadcopter Propeller Using Finite element Approach,” *J. Graph. Era Univ.*, vol. 9, pp. 105–120, 2021, doi: 10.13052/jgeu0975-1416.921.
- [5] “Connect ESCs and Motors.” <https://ardupilot.org/copter/docs/connect-escs-and-motors.html> (accessed Jul. 12, 2024).
- [6] J. Verbeke and A. Control, “Vibration analysis of a UAV multirotor frame,” no. September 2016, 2017.
- [7] L. Son and R. Afandi, “Analisis Frekuensi Pribadi Dan Modus Getar Struktur Pesawat Tanpa Awak Tipe Flying Wings,” *Met. J. Sist. Mek. dan Termal*, vol. 2, no. 2, p. 36, 2018, doi: 10.25077/metal.2.2.36-42.2018.
- [8] B. H. Loewen, “Isolating Components from UAV Vibration,” 2013.
- [9] K. H. N. Yuningsih, “Getaran sistem pegas berbeban dengan massa yang berubah terhadap waktu,” *Politek. Negeri Bandung*, no. 022, pp. 1–6, 2013, [Online].
- [10] E. at Alberta, “Damped Free Vibrations of Single Degree of Freedom Systems: Free Vibrations of a Damped Spring–Mass System.” <https://engcourses-uofa.ca/books/vibrations-and-sound/damped-free-vibrations-of-single-degree-of-freedom-systems/free-vibrations-of-a-damped-spring-mass-system/>
- [11] O. Khalaj, R. Zakeri, S. N. M. Tafreshi, B. Mašek, and C. Štadler, “The Effect of a Rubber Sheet on the Dynamic Response of a Machine Foundation Located over a Small Thickness of Soil Layer,” *IOP Conf. Ser. Earth Environ. Sci.*, vol. 906, no. 1, 2021, doi: 10.1088/1755-1315/906/1/012044.

- [12] M. Verma, V. Lafarga, M. Baron, and C. Collette, "Active stabilization of unmanned aerial vehicle imaging platform," *JVC/Journal Vib. Control*, vol. 26, no. 19–20, pp. 1791–1803, 2020, doi: 10.1177/1077546320905494.
- [13] J. Fu, G. Liu, C. Fan, Z. Liu, and H. Luo, "Design and Experimental Study on Vibration Reduction of an UAV Lidar Using Rubber Material," *Actuators*, vol. 11, no. 12, pp. 1–22, 2022, doi: 10.3390/act11120345.
- [14] A. M. Rayed, B. Esakki, P. Arunkumar, and S. C. Banik, "Evaluation of Buckling and Vibration Characteristics of Unified Quadcopter Structure," no. March, 2022.
- [15] H. Fernandez, "Kaji Eksperimental Peningkatan Frekuensi Pribadi pada Pesawat Tanpa Awak Tipe Fixed Wing dengan Penambahan Spar Profil T," 2021.
- [16] M. Ashby, "Material Property Data," *Mater. Sustain. Dev.*, no. October, pp. 461–484, 2024, doi: 10.1016/b978-0-323-98361-7.15001-8.
- [17] W. D. Callister, "Materials science and engineering: An introduction (2nd edition)," *Mater. Des.*, vol. 12, no. 1, p. 59, 1991, doi: 10.1016/0261-3069(91)90101-9.
- [18] N. A. Raman, A. M. A. Rashid, N. I. Ismail, S. A. Mualif, and M. H. Ramlee, "Numerical Simulation on Three-Dimensional Printed Submerged Temephos Larvicide Dispenser for Dengue Prevention," *Malaysian J. Fundam. Appl. Sci.*, vol. 19, no. 2, pp. 263–268, 2023, doi: 10.11113/mjfas.v19n2.2878.
- [19] T. Shepherd, K. Winwood, P. Venkatraman, A. Alderson, and T. Allen, "Validation of a Finite Element Modeling Process for Auxetic Structures under Impact," *Phys. Status Solidi Basic Res.*, vol. 257, no. 10, 2020, doi: 10.1002/pssb.201900197.
- [20] A. M. Aly and M. A. Hoffmann, "A case study of protecting bridges against overheight vehicles," *Steel Compos. Struct.*, vol. 43, no. 2, pp. 165–183, 2022, doi: 10.12989/scs.2022.43.2.165.
- [21] P. Avitabile, "Experimental Modal Analysis," pp. 1–15.
- [22] A. Syofyan, "Kaji Eksperimental Sistem Rotor Overhung dengan Retak

Memanjang pada Poros.”

- [23] R. F. Hadi, “Vibration Signal Analysis of a Cracked Rotating Shaft in Overhung Rotor Model.”
- [24] E. Casarejos, J. C. Riol, J. A. Lopez-Campos, A. Segade, and J. A. Vilan, “Evaluation of an FE model for the design of a complex thin-wall CFRP structure for a scientific instrument,” *Materials (Basel)*., vol. 12, no. 3, 2019, doi: 10.3390/ma12030489.

