

DAFTAR PUSTAKA

- American Association of State Highway and Transportation Officials., 2020. LRFD bridge design specifications., 9th ed. AASHTO, Washington, DC.
- Brincker, R., Andersen, P., 2006. Understanding Stochastic Subspace Identification, dalam: Proceedings : IMAC-XXIV : A Conference & Exposition on Structural Dynamics Society for Experimental Mechanics.
- Brincker, R., Ventura, C.E., 2015. Introduction To Operational Modal Analysis. Wiley.
- Brincker, R., Ventura, C.E., Andersen, P., 2001. Damping Estimation by Frequency Domain Decomposition, dalam: Proceedings of IMAC 19 : A Conference on Structural Dynamics. Society for Experimental Mechanics, hlm. 698–703.
- Brincker, R., Zhang, L., Andersen, P., 2000. Modal Identification from Ambient Responses using Frequency Domain Decomposition, dalam: IMAC 18 : Proceedings of the International Modal Analysis Conference (IMAC). hlm. 625–630.
- Cantieni, R., 1983. Dynamic Load Tests on Highway Bridges in Switzerland. Dübendorf.
- Cochran, W.T., Helms, H.D., Cooley, J.W., Heights, Y., 1967. What is the Fast Fourier Transform? 55, 1664–1674. <https://doi.org/https://doi.org/10.1109/PROC.1967.5957>
- Costa, C., Arêde, A., Costa, A., 2005. Dynamic characterization of a masonry arch bridge. Proceedings of the 1st International Operational Modal Analysis Conference, IOMAC 2005.
- EN 1991-2, Eurocode 1: Actions on structures-Part 2: Traffic loads on bridges, 2003.
- ISO, 2003. 2631-2 Mechanical vibration and shock—Evaluation of human exposure to whole-body vibration—Part 2: Vibration in buildings (1 Hz to 80 Hz).
- Kudu, F.N., Uçak, Ş., Osmancikli, G., Türker, T., Bayraktar, A., 2015. Estimation of damping ratios of steel structures by operational modal analysis method. J Constr Steel Res 112, 61–68. <https://doi.org/10.1016/j.jcsr.2015.04.019>
- Liu, D., Bao, Y., Li, H., 2023. Machine learning-based stochastic subspace identification method for structural modal parameters. Eng Struct 274, 115178. <https://doi.org/10.1016/j.engstruct.2022.115178>

- Mazzeo, M., De Domenico, D., Quaranta, G., Santoro, R., 2023. Automatic modal identification of bridges based on free vibration response and variational mode decomposition technique. *Eng Struct* 280, 115665. <https://doi.org/10.1016/j.engstruct.2023.115665>
- Meng, X., Dodson, A.H., Roberts, G.W., 2007. Detecting bridge dynamics with GPS and triaxial accelerometers. *Eng Struct* 29, 3178–3184. <https://doi.org/10.1016/j.engstruct.2007.03.012>
- Morris S., A., Langari, R., 2012. *Measurement and Instrumentation Theory and Application*, Syria Studies.
- Orlowitz, E., Brandt, A., 2017. Comparison of experimental and operational modal analysis on a laboratory test plate. *Measurement* 102, 121–130. <https://doi.org/10.1016/j.measurement.2017.02.001>
- Pasca, D.P., Aloisio, A., Rosso, M.M., Sotiropoulos, S., 2022. PyOMA and PyOMA_GUI: A Python module and software for Operational Modal Analysis. *SoftwareX* 20. <https://doi.org/10.1016/j.softx.2022.101216>
- Pastor, M., Binda, M., Harčarik, T., 2012. Modal assurance criterion. *Procedia Eng* 48, 543–548. <https://doi.org/10.1016/j.proeng.2012.09.551>
- Salawu, O.S., 1997. Detection of structural damage through changes in frequency: A review. *Eng Struct* 19, 718–723. [https://doi.org/10.1016/S0141-0296\(96\)00149-6](https://doi.org/10.1016/S0141-0296(96)00149-6)
- Schwarz, B.J., Richardson, M.H., 1999. *Experimental Modal Analysis*. CSI Reliability week 35, 1–12.
- Silva, M.S., Neves, F.A., 2020. Modal identification of Bridge 44 of the Carajás Railroad and numerical modeling using the finite element method. *Revista IBRACON de Estruturas e Materiais* 13, 39–68. <https://doi.org/10.1590/s1983-41952020000100005>
- Supriyadi, Bambang., Muntohar, A.S., 2007. *Jembatan (Edisi Pertama)* 1–244.
- Tonias, D.E., Zhao, J.J., 2007. *Bridge Engineering : Design, Rehabilitation, and Monitoring of Modern Highway Bridges* 2nd Edition.



UNIVERSITAS
GADJAH MADA

Analisis Properti Dinamik Jembatan PCI Girder Menggunakan Analisis Berbasis SVD (Studi Kasus: Jembatan Kretek II)

DIDIB ASTALIS ULUL ABSOR, Akhmad Aminullah, ST.,MT., Ph.D.; Prof. Dr. Ir. Bambang Supriyadi, CES., DEA., IP

Universitas Gadjah Mada, 2023 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Tse, F.S., Morse, I.E., Hinkle, T., 1978. Mechanical Vibrations Theory and Applications
SECOND EDITION, 2nd Edition. ed. Allyn and Bacon Inc.

Vaza, H., Irawan, R.R., Sukmara, G., Riza C., A., 2017. Penentuan Nilai Kondisi & Tingkat
Kenyamanan Jembatan: Korelasi terhadap Degradasi Frekuensi Alami, 1st ed. Pusat
Litbang Jalan dan Jembatan, Kementerian Pekerjaan Umum dan Perumahan Rakyat .