

DAFTAR PUSTAKA

- Afriandini, B., 2016. Analisis Respon Dinamik Getaran Mikro Gedung Asrama Mahasiswa Kinanti UGM. Universitas Gadjah Mada.
- Alataby, E.K., Kadhim, J.A., dan Ahmed, M.A., 2021. Study on the Effect of Distribution of Viscous Damper for Steel Frame Structure. *Journal of Physics: Conference Series*, 1973 (1), 31–36.
- Apriansyah, R., 2010. Karakteristik Dinamik Hotel Ambarukmo Menggunakan Data Seismometer. Universitas Gadjah Mada.
- Ariyani, I., 2016. Analisis MikroTremor Gedung Asrama Sendowo (Prediksi Ketahanan Struktur Terhadap Beban Gempa). Universitas Gadjah Mada.
- Badan Standardisasi Indonesia, 2020. *SNI 1727:2020*. Beban desain minimum dan Kriteria terkait untuk bangunan gedung dan struktur lain.
- Badan Standarisasi Nasional, 2019. *SNI 1726:2019*. Tata Cara Perencanaan Ketahanan Gempa Untuk Struktur Bangunan Gedung dan Non Gedung.
- Behmanesh, I., Moaveni, B., dan Papadimitriou, C., 2017. Probabilistic damage identification of a designed 9-story building using modal data in the presence of modeling errors. *Engineering Structures*, 131, 542–552.
- Bui, Q.B., Hans, S., dan Boutin, C., 2014. Dynamic behaviour of an asymmetric building: Experimental and numerical studies. *Case Studies in Nondestructive Testing and Evaluation*, 2 (1), 38–48.
- Chapain, S. dan Aly, A.M., 2019. Vibration attenuation in high-rise buildings to achieve system-level performance under multiple hazards. *Engineering Structures*, 197 (June), 109352.
- Deng, S., Han, X., dan Yang, L., 2018. Modal analysis and optimization of bus body structure. *Journal of Physics: Conference Series*, 1074 (1).
- Duggal, S.K., 2006. *Earthquake Resistant Design of Structures*. PHI Learning Pvt. Ltd., New Delhi.

Perrone, A., Amato, L., Izzi, F., La Scaleia, G., Maio, D., dan Salvia, V., 2020. Evaluation of soil-building resonance effect in the urban area of the city of Matera (Italy). *Engineering Geology*, 272 (April), 105645.

Grosel, J., Sawicki, W., dan Pakos, W., 2014. Application of classical and Operational Modal Analysis for examination of engineering structures. *Procedia Engineering*, 91 (TFoCE), 136–141.

Gullapalli, V.L., RaghuNandanKumar, R., dan Reddy, G.R., 2021. Assessment of Antenna Mounting Building Structural Strength using Microtremor Analysis. *IOP Conference Series: Materials Science and Engineering*, 1197 (1), 012057.

Hadianfard, M.A., Rabiee, R., dan Sarshad, A., 2017. Assessment of Vulnerability and Dynamic Characteristics of a Historical Building Using Microtremor Measurements. *International Journal of Civil Engineering*, 15 (2), 175–183.

Halisa, 2010. Karakteristik Dinamik Gedung Rumah Sakit Gigi dan Mulut Prof. Soedomo Yogyakarta Dengan Menggunakan Seismometer. Universitas Gadjah Mada.

Hoult, R., 2022. A computationally-effective method for rapidly determining the seismic structural response of high-rise buildings with a limited number of sensors. *Bulletin of Earthquake Engineering*, 20 (9), 4395–4417.

Hu, G., Wang, Y., Huang, W., Li, B., dan Luo, B., 2020. Seismic mitigation performance of structures with viscous dampers under near-fault pulse-type earthquakes. *Engineering Structures*, 203 (July 2019), 109878.

Isnandar, S.A., 2019. Analisa Pengaruh Getaran Pompa Terhadap Struktur bangunan di Rumah Pompa IPAM Karangpilang III PDAM Surabaya. *Institut Teknologi Sepuluh Nopember*.

Jamal, A., 2009. Karakteristik Dinamik Gedung KPTU Fakultas Teknik UGM Dengan Menggunakan Seismometer. Universitas Gadjah Mada.

Jurowski, K. dan Grzeszczyk, S., 2018. Influence of selected factors on the relationship between the dynamic elastic modulus and compressive strength of concrete. *Materials*, 11 (4).

Khitrin, A.K., Xu, J., dan Ramamoorthy, A., 2012. Coherent averaging in the frequency

- Kim, D.H. dan Kim, J.Y., 2014. Assessment on Natural Frequencies of Structures using Field Measurement and FE Analysis. *International Journal of High-Rise Buildings*, 3 (4), 305–310.
- Kurniawan, A.D.P.B. dan Priyosulistyo, H., 2020. Review Kekuatan Gedung Terhadap Gempa Bumi (Membandingkan Uji Eksperimen dan Numerik Gedung Lab Bahan Bangunan UGM).
- Lecomte, C., 2014. A frequency averaging framework for the solution of complex dynamic systems. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, 470 (2166).
- Lydon, F.D. dan Balendran, R.V., 1986. SOME OBSERVATIONS ON ELASTIC PROPERTIES OF PLAIN CONCRETE. *CEMENT and CONCRETE RESEARCH*, 16 (c), 314–324.
- Mustika, R., Putra, R.R., dan Fitria, R., 2022. Analysis Natural Periods of Structure Using Microtremor. *Jurnal Teknik Sipil*, 18 (2), 328–342.
- Oppenheim, A. dan Schafer, R., 1999. *Discrete-Time Processing- Second Edition*.
- Priyosulistyo, H., 2022. *Analisis Dinamika Struktur dan Aplikasinya di Bidang Teknik Sipil*. Yogyakarta: Gadjah Mada University Press.
- Rauf, A. dan Crawford, R.H., 2015. Building service life and its effect on the life cycle embodied energy of buildings. *Energy*, 79 (C), 140–148.
- Satriyo, A., Suryanto, W., Anggono, T., Al Kamali, M.L., dan Yufi, H.S., 2023. Study Characteristics of a Multipurpose Reactor Building G.A. Siwabessy using Floor Spectral Ratio. *E3S Web of Conferences*, 468, 1–9.
- Shen, W., Niyitangamahoro, A., Feng, Z., dan Zhu, H., 2019. Tuned inerter dampers for civil structures subjected to earthquake ground motions: optimum design and seismic performance. *Engineering Structures*, 198 (July), 109470.
- Simkin, G., Beskhyroun, S., Ma, Q., Wotherspoon, L., dan Ingham, J., 2015. MEASURED RESPONSE OF INSTRUMENTED BUILDINGS, 48 (4), 223–234.

Song, M., Behmanesh, I., Moaveni, B., dan Papadimitriou, C., 2019. Modeling error estimation and response prediction of a 10-story building model through a hierarchical bayesian model updating framework. *Frontiers in Built Environment*, 5 (January), 1–15.

Sungkono, Warnana, D.D., Triwulan, dan Utama, W., 2011. Evaluation of Buildings Strength from Microtremor Analyses. *International Journal of Civil & Environmental Engineering IJCEE-IJENS*, 11 (05), 93–99.

Wang, W., Wang, J., Peng, X., dan Guo, L., 2024. Nonlinear analysis model and seismic resilience assessment of LEM-filled CFS residence. *Journal of Constructional Steel Research*, 212 (June 2023), 108305.

Widowati, A., 2009. Karakteristik Dinamik Gedung Lengkung Pascasarjana UGM Dengan Menggunakan Seismometer. Universitas Gadjah Mada.

Wulandari Ayi, V. dan Bahri, S., 2012. 15798-ID-analisis-mikrotremor-untuk-evaluasi-kekuatan-bangunan-studi-kasus-gedung-perpust. *Jurnal Sains Dan Seni Its*, 1 (1).