

DAFTAR PUSTAKA

- Andrés David Torres Carranza. 2024. Development of an application implementing the ETABS and VBA Excel API, for the automated analysis of structural irregularities taking into account NSR - 10. *Escuela Colombiana de Ingeniería Julio Garavito*. 15(1): 37–48.
- Aslay, S.E.; Dede, T. & Kaveh, A. 2024. Integrated Design Optimization Process for Building Projects. *Periodica Polytechnica Civil Engineering* 68(4): 1175–1183, <https://doi.org/10.3311/PPci.37113>.
- B. Anjaneyulu, K.J.P. 2020. Analysis and Design of Flat Slab. *International journal of Latest Trends in Engineering & Technology* 7(1): 105–112, <https://doi.org/10.21172/1.71.018>.
- Badan Standardisasi Nasional Indonesia. 2019. Persyaratan Beton Struktural untuk Bangunan Gedung dan Penjelasan (SNI 2847:2019). *Standar Nasional Indonesia (SNI)* (8): 653–659.
- Badan Standardisasi Nasional Indonesia. 2020a. Penetapan Standar Nasional Indonesia 1727 : 2020 Beban Desain Minimum dan Kriteria Terkait Untuk Bangunan Gedung dan Struktur. *Badan Standardisasi Nasional 1727:2020* (8): 1–336.
- Badan Standardisasi Nasional Indonesia, 2020. 2020b. Standar Nasional Indonesia (SNI 1729:2019) tentang Perencanaan Ketahanan Gempa untuk Struktur Bangunan. (8).
- Bermúdez, M.; Puertas, J. & Cea, L. 2020. Introducing Excel spreadsheet calculations and numerical simulations with professional software into an undergraduate hydraulic engineering course. *Computer Applications in Engineering Education* 28(1): 193–206, <https://doi.org/10.1002/cae.22185>.
- Cormos, R.; Neagoe, C.A.; Ciolca, M. & Hadar, A. 2023. VBA fatigue analysis program for metallic structural components preliminary design. *Incas Bulletin* 15(4): 93–106, <https://doi.org/10.13111/2066-8201.2023.15.4.8>.
- Elizabeth, G. & Rodríguez, P. 2021. State University of the South of Manabí Teacher : State University of the South of Manabí.
- Fahrizal Zulkarnain. 2021. Teknologi Beton.
- Gupta, A.K. 2015. *Response Spectrum Method In Seismic Analysis and Ajaya Kumar Gupta*.
- Johnson, L. 2023. Automating Structural Analysis with VBA in Excel. *International Journal of Engineering Research and Applications* 12(4)(456–462).
- Jorge L. P. Tamayo, Vitor C. Mucillo, B.G.B. 2023. Integration of Excel VBA with professional software for the structural analysis and design of civil structures. *Computer Applications in Engineering Education*, <https://doi.org/10.1002/cae.22607>.
- Kim, S.; Lee, D. & Lee, S. 2024. *Optimal Design of Formulas for a Single Degree of Freedom Tuned Mass Damper Parameter Using a Genetic Algorithm and H2 Norm. Biomimetics* (Basel, Switzerland) 8, 2024, <https://doi.org/10.3390/biomimetics9080450>.

- Naik, P. & Annigeri, S. 2021. Performance Evaluation of 9 Storey RC Building Located in North Goa. *Procedia Engineering* 173: 1841–1846, <https://doi.org/10.1016/j.proeng.2016.12.231>.
- Onwukwe, C.O.S.; Ogbuokiri, O.; Ibemere, L. & Iweha, C. 2025. Enhancing Structural Design Education with Excel. *African Journal of Humanities and Contemporary Education Research* 18(1): 42–60, <https://doi.org/10.62154/ajhcer.2025.018.010606>.
- PuSGeN, K.P. 2021. Aplikasi Desain Spektra Indonesia 2021.
- Quansah, A.; Xiao, Z. & Ntaryamira, T. 2017. Parametric Investigation of Plane Frame Structure Using Excel Vba And Sap2000 oapi Based Programming. *International Journal of Engineering Research and Applications* 07(07): 14–23, <https://doi.org/10.9790/9622-0707091423>.
- Richardson, M.G. 2023. *Fundamentals of Durable Reinforced Concrete*. Fundamentals of Durable Reinforced Concrete, <https://doi.org/10.1201/9781003261414>.
- Sallal, A.K. 2020. Design and analysis ten storied building using ETABS software-2016. *International Journal of Research in Advanced Engineering and Technology* 21 2455–0876, www.newengineeringjournal.in.
- Sarreshtedari, S. 2023. Parametric Design of Efficient High-Rise Buildings Development of a Design and Analysis Tool for the Early.
- Siti Ruqoyyah, Sukma Murni, L. n.d. KEMAMPUAN PEMAHAMAN KONSEP DAN RESILIENSI MATEMATIKA DENGAN VBA MICROSOFT EXCEL.
- Sofias, K.; Kanetaki, Z.; Stergiou, C.; Kantaros, A.; Jacques, S. & Ganetsos, T. 2025. Implementing CAD API Automated Processes in Engineering Design: A Case Study Approach. *Applied Sciences (Switzerland)* 15(14): 1–26, <https://doi.org/10.3390/app15147692>.
- Tamayo, J.L.P.; Mucillo, V.C. & Bigarella, B.G. 2023. Integration of Excel VBA with professional software for the structural analysis and design of civil structures. *Computer Applications in Engineering Education* 31(4): 793–813, <https://doi.org/10.1002/cae.22607>.
- Tampubolon, S.P.; Fauzan, A.S.; Frans, P.L.; Gaspersz, W.; Oktavia, Deffa Diana & Roesdiana, T.; Vendry, P.; Soselisa, J.F.; Frans, P.L.; Hutubessy, V.R.R.; Widyatama & Suprpty; Kiriw, V.P. & Badan Standardisasi Nasional. 2022. 1983 *Peraturan-Pembebanan-Indonesia*. *Jurnal konstruksi dan infrastruktur* 8, pp. 1–126, 2022.
- W.F. Chen, E.M.L. 2019. *PRINCIPLES OF STRUCTURAL DESIGN*. Sustainability (Switzerland) 11 1.