

## REFERENCES

- [1] J. C. Wu, C. H. Chang, and Y. Y. Lin, "Optimal designs for non-uniform tuned liquid column dampers in horizontal motion," *J. Sound Vib.*, vol. 326, no. 1–2, pp. 104–122, 2009.
- [2] T. Furtmüller, A. Di Matteo, C. Adam, and A. Pirrotta, "Base-isolated structure equipped with tuned liquid column damper: An experimental study," *Mech. Syst. Signal Process.*, vol. 116, pp. 816–831, 2019.
- [3] A. C. Altunişik, A. Yetişken, and V. Kahya, "Experimental study on control performance of tuned liquid column dampers considering different excitation directions," *Mech. Syst. Signal Process.*, vol. 102, pp. 59–71, 2018.
- [4] C. Adam, A. Di Matteo, T. Furtmüller, and A. Pirrotta, "Earthquake Excited Base-Isolated Structures Protected by Tuned Liquid Column Dampers: Design Approach and Experimental Verification," *Procedia Eng.*, vol. 199, pp. 1574–1579, 2017.
- [5] A. Di Matteo, M. Di Paola, and A. Pirrotta, "Innovative modeling of tuned liquid column damper controlled structures," *Smart Struct. Syst.*, vol. 18, no. 1, pp. 117–138, 2016.
- [6] K. Min, Y. Kim, and J. Kim, "Analytical and experimental investigations on performance of tuned liquid column dampers with various ori fi ces to wind-excited structural vibration," *Jnl. Wind Eng. Ind. Aerodyn.*, vol. 139, pp. 62–69, 2015.
- [7] A. Farshidianfar and P. Oliazadeh, "Closed form optimal solution of a tuned liquid column damper responding to earthquake," pp. 1–6, 2009.
- [8] M. Bur, *Diktat Penuntun Kuliah Getaran Mekanik*. Padang: Universitas Andalas, 1999.
- [9] L. Son, "The influence of TLCD junction angle on the structure response with TLCD," no. July, 2018.
- [10] M. Reiterer and F. Ziegler, "COMBINED SEISMIC ACTIVATION OF A

SDOF-BUILDING WITH A PASSIVE TLCD ATTACHED,” no. 226, 2004.

[11] J. Luis *et al.*, “State-Space Formulation for Structural Dynamics,” no. 1994, 1996.

[12] J. Gyu, “Vibration simulation using matlab,” no. May, 2003.

[13] J.Semmlow, *Linear Systems in the Frequency Domain: The Transfer Function*. 2018.

[14] D. Tirelli, *Modal Analysis of Small & Medium Structures by Fast Impact Hammer Testing Method*. Italy: European Union, 2011.

