

5 CONCLUSION

The dynamic damper has been made to reduce the vibration of structure. These dynamic damper are Tuned Liquid Column Damper and Tuned Mass Damper. For the first experiment, after varying the water volume of TLCD and keep the TMD mass as constant, the optimum value to reduce the vibration is in 427 mL of water. Otherwise, for the second experiment, the optimum value of TLCD water volume is 422 mL and the mass of TMD is 0.351 kg. The result is better used for dynamic damper with 9.595% mass of building.

