



**LIST OF GRADUATE THESES
as of October 2021**

Master of Science in Civil Engineering Major in Structural Engineering

- Abordo, M. P. (2019). *Evaluation of the Mechanical Properties of Concrete with Partial Replacement of Fine Aggregates with Un-plasticized Polyvinyl Chloride waste* [Master's Thesis, MSST]. School of Graduate Studies, Mapua University.
- Aquino, J. N. (2017). *Evaluation of the Physical and Mechanical Properties of Concrete with Partial Replacement of Coarse Aggregates with Epoxy Based E-Waste (EBEW)* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- Aramay, R. A. (2019). *Evaluation of the Mechanical Properties of Concrete and Cost Impact containing Recycled Concrete Aggregates (RCA) and Sugarcane Bagase Ash (SCBA)* [Master's Thesis, MSST]. School of Graduate Studies, Mapua University.
- Aro, C. P. (2016). *A Study on the Performance of Geotextile for a Geosynthetically Flexible Soil Pavement* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- Buluran, J. S. (2010). *Influence if fine recycled concrete aggregates (FRCA) in the compressive strength of a natural concrete* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- Dalusong, J. C. (2019). *Evaluating Physical and Mechanical Properties of Load-Bearing Concrete Hollow Blocks using Waste Cockle Shell Powder as a Partial Cement Replacement* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- De Ocampo, R. S. (2016). *Seismic Assessment of Masonry Walls of the Basilica of Immaculada Concepcion in Batangas City: Static Linear and Time History Finite Element Analysis* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- De Roxas, E. A. (2017). *Assessment of Mechanical Properties of Concrete Using Building Rubble as Partial Replacement for Coarse Aggregates Mixed with Rice Hull Ash as Partial Replacement for Cement* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- Era, L. N. (2010). *Utilization of Buri (Corypha elata roxb.) leaf ash as partial replacement of cement in concrete* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.



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- Estores, G. B. (2010). *Influence of crushed coarse aggregate size on expansion anchor's pull-out performance* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- Galutan, R. M. (2010). *The effects of treated Bambusa Blumeana strips to the flexural and shear strength of concrete beam* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- Jodeiri, A. H. (2012). *Effect of Wirand FS7-11 steel wire fibre on flexural capacity of reinforced concrete beam* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- Kangavar, M. E. (2012). *Seismic propensity of Knee braced Frame (KBF) as weighed against Concentric Braced Frame (CBF) utilizing ETABS and OPENSEES* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- Karimi, H. B. (2012). *Effect of Truss System Bar (TSB) on Reinforced Concrete Beam (RCB) carrying capacity* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- Libre, R. G. (2012). *Optimal Location and Time Interval of Concrete Placement on Vertical Members Compressive Strength with Cold Joints* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- Lua, K. L. MM (2019). *Capacity-based Seismic Design of Bongo Bridge Reinforced Concrete Pier Columns Using Response Spectrum and Pushover Analysis* [Master's Thesis, MSST]. School of Graduate Studies, Mapua University.
- Mendoza, R. P. (2011). *Investigation on the influence of local CHB walls in the seismic performance of low-rise reinforced concrete frames using the equivalent compression Strut Theory and SAP2000* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- Mikami, Y. C. (2019). *Stress optimization of new steel beam and existing steel column connection using wrap-around moment method* [Master's Thesis, MSST]. School of Graduate Studies, Mapua University.
- Montarin, C. D. (2020). *Optimization of Bio-Based Mixture of Canarium Luzonicum and Calcium Oxide as Coating Material for Reinforcing Steel Bars* [Master's Thesis, MSST]. School of Graduate Studies, Mapua University.



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- Narvades, C. P. (2019). *Assessment of the Compressive Strength of Concrete Using Recycled Coarse Aggregates and Fly Ash as Partial Replacements for Coarse Aggregates and Cement* [Master's Thesis, MSST]. School of Graduate Studies, Mapua University.
- Panotes, R. B. (2014). *Effect of elevated temperature on the bond strength of reinforced concrete in tension* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- Quitilig, R. J. (2010). *Strengthening concrete externally through Polyethylene Terephthalate (PET) assimilation as fiber-reinforced polymers' (FRP) laminates* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- Realuyo, E. D. (2021). *Bicol Region Wind Load Calculator (Online Application)* [Master's Thesis, MSST]. School of Graduate Studies, Mapua University.
- Romero, R. E. (2019). *Mechanical Properties of Fiber Reinforced Concrete using Schizostachyum Lumampao (buho) Fibers treated in Sodium Hydroxide (NaOH)* [Master's Thesis, MSST]. School of Graduate Studies, Mapua University.
- Santos, V. G. (2014). *Water Hyacinth as a Potential Material For Geocomposite Products for Engineering Purposes* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- Sy, R. B. (2014). *Assessment of Compressive Strength of Load Bearing Concrete Hollow Blocks with Different Lime Content Subjected to Elevated Temperature and its Residual Compressive Strength* [Master's Thesis, MSST]. School of Graduate Studies, Mapua Institute of Technology.
- Villapa, J. B. C. (2018). *Geopolymerization Method to Modify the Structural Properties of Stabilized Silty Clay Utilizing Coconut Husk Ash, Rice Husk Ash and Sea water for Wall Construction* [Master's Thesis, MSST]. School of Graduate Studies, Mapua University.
- Yu, B. D. P. (2019). *Regression Modeling of Bearing Strength of a Single Bolted Joint considering the angle of tear* [Master's Thesis, MSST]. School of Graduate Studies, Mapua University.