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## Curriculum Vitae

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**Name:** Dr Mazizah Ezdiani Binti Mohamad

**List of Research:**

**Internal Grant**

1. Investigation of Porous Concrete Fabricated with Bottom Ash and Geopolymeric Binder (UCTS/RESEARCH/4/2017/04) Main Researcher
2. The behavior of Concrete Beam Reinforced with Basalt Fibre Reinforced Polymer under Static Load (UCTS/RESEARCH/1/2019/09) Main Researcher
3. Utilization of Silica Waste to Peat Soil Stabilization (UCTS/RESEARCH/4/2019/14) UCTS Joint Research Project (UJRP). Co-Researcher
4. Physical Characterization and Stabilization of Peat Soil using Silica Fume-Bitumen Emulsion (UCTS/RESEARCH/1/2021/0501) UCTS Joint Research Project (UJRP). Main Researcher

**External Grant**

1. Peat soil stabilization using recycled tyres and geofoam lightweight material (SRDC/RGS/UCTS/400-1/1/6) (Sarawak Research and Development Council) – May 2020 – May 2022

**List of Publications:**

1. M. E. Mohamad, I. S. Ibrahim, Redzuan Abdullah. 2017. "Finite Element Modeling of the Interfacial Behavior at Surface Roughness Concrete without the Projecting Steel" Proceedings of IASTEM International Conference.
2. M. E. Mohamad, Ali A. Mahmood, and EH Cheng Chen. 2017. "The Compressive Strength Of Concrete Containing Eggshell Powder And Palm Oil Fuel Ash Cured

In Tap Water And River Water” Proceedings of Technology and Innovation International Conference 2017, Bandung, Indonesia.

3. M. E. Mohamad, Ali A. Mahmood, and Alicia Yik Yee Min. 2017. “Palm Oil Fuel Ash (POFA) And Eggshell Powder (ESP) As Partial Replacement For Cement In Concrete” Proceedings of International Conference on Civil & Environmental Engineering, Penang, Malaysia.
4. J. Usman, Nasiru Yahaya and M.E Mohamad. September 2019. “Influence of groundnut shell ash on the properties of cement pastes” IOP Conference Series Materials Science and Engineering.
5. K A A Latiff, Ahmad Nurfaidhi Rizalman, Noor Sheena Herayani Binti Harith, and M.E Mohamad. June 2020. “3D Numerical modelling on the thermal performance of reinforced concrete encased wide-flanged steel column” IOP Conference Series Materials Science and Engineering.
6. Mohammed Al-Fasih, Mazizah E Mohamad, Izni Syahrizal Ibrahim, Y. Ahmad, M.A. Mohd Ariffin, Noor Nabilah Sarbini, Roslli N Mohamed and Ahmad Kueh. (May 2021). “Experimental and numerical evaluations of composite concrete-to-concrete interfacial shear strength under horizontal and normal stresses” PLoS One 16(5):e0252050. DOI: 10.1371/journal.pone.0252050.

**List of Awards:**

1. Best Paper Award (PiBEC-Putrajaya International Built Environment, Technology and Engineering Conference) – 2018