
Curriculum Vitae

Name: Dayang Siti Hazimmah binti Ali (Dr)

List of Research:

Internal Grant

1. Cracking Mechanism in Durable Steel Fiber Reinforced Acrylic Emulsion Polymer Modified Concrete (SFRPMC), UCTS/RESEARCH/<1/2016/04>(01)
2. Risk and Reward of Green Building Material: A Study among Sarawak Construction Player in Kuching, Sibul & Miri, UCTS/RESEARCH/<2/2017/04>(01)
3. Fabrication of Paper from Oil Palm Frond Fibre, UCTS/RESEARCH/<2/2018/08>(01)
4. Performance Studies of Polyethylene Terephthalates Concrete Brick for Construction of Building ,(UCTS/RESEARCH/<2/2020/01)

List of Publications:

Journals

1. D.S. Hazimmah, S. Mohd and H.T. Cheng (2011). “**Mechanical Characterization of Steel Fibre Reinforced Acrylic Emulsion Polymer Modified Concrete**”, *Journal of Engineering and Applied Science* 6 (3): 185-190, ISSN: 1816-949X © Medwell Journals.
2. D.S. Hazimmah, S. Mohd and H.T. Cheng (2011). “**Engineering Properties of Epoxy Polymer Cement Concrete Reinforced with Glass Fibers**”, *Journal of Engineering and Applied Science* 6 (3): 191-199, ISSN: 1816-949X © Medwell Journals.

3. D.S. Hazimmah and S. Mohd. (2011). **“Mechanical Characterization of Acrylic-Emulsion Polymer-Modified Concrete Reinforced with Steel Fibre by Taguchi Application”** *Modeling, Simulation and Applied Optimization (ICMSAO) 2011, 4th International Conference* on 19 – 21 April 2011, Kuala Lumpur, *IEEE Electronic Library (IEL)*, ISBN: 978-1-4577-0003-3.
4. D.S. Hazimmah, S. Mohd. and H.T. Cheng (2011). **“Mechanical properties of Acrylic Emulsion Polymer-Modified Concrete Containing Steel Fibre as Reinforcement”** *American Journal of Engineering and Applied Science*, 0051, 211-219.
5. D.S.Hazimmah, K.Muthusamy, (2016) **“Characterization of Steel Fiber Reinforced Acrylic Emulsion Polymer Modified Concrete (SFRPMC) through X-ray Diffraction (XRD) Analysis”**, *Journal of Scientific.Net* by Trans Tech Publication Ltd., 978-3-03835-774-2, p.87 – 93.
6. K Muthusamy, A M A Budiea, A L F Zaidan, M H Rasid, D S Hazimmah (2017) **“ Properties of Concrete Containing Foamed Concrete Block Waste as Fine Aggregate Replacement”**, *IOP Conferences Series: Materials Science and Engineering* **271**, 012084, doi: 10.1088/1757-899X/271/1/012084, 1 – 7.
7. Dayang Hazimmah, Afizah Ayob, Lau Sie Yee, Wong Chee Chung (2018). **“Microstructural Aspects in Steel Fiber Reinforced Acrylic Emulsion Polymer Modified Concrete (SFRPMC)”**, *E3S Web of Conferences* 34, 01017, CENVIRON 2017, <https://doi.org/10.1051/e3sconf/20183401017>
8. Ellisha Iling, Dayang Siti Hazimmah Ali, Mohd Shahril Osman (2019) **“Effect Of Pressing Pressure On Physical And Mechanical Properties Of Elaeis Guineensis Fronds Composite Board”**, *Journal of Social Science and Humanities*, Volume (16), No 3, Issue (1), Pages:1-12 ISSN: 1823-884x

9. Elisha Iling, Dayang Siti Hazimmah Ali (2019). “**Effect of Pressing Pressure on Mechanical Properties of *Elaeis guineensis* Jacq. Fronds-Based Composite Board**”, World Academy of Science, Engineering and Technology International Journal of Materials and Textile Engineering, Vol: 13, No: 4.
10. Elisha Iling and Dayang Siti Hazimmah Ali (2020) “**Effect of Different Hot Press Temperature on Physical and Mechanical Performance of Microwave Pre-treated Oil Palm Fronds (OPaF) Composite Board With Addition of Urea Formaldehyde Resin**”, Borneo Journal of Sciences and Technology, Volume (2), Issue (1), Pages: 19-26
DOI: <https://doi.org/10.35370/bjost.2020.2.1-05>.
11. Euniza Jusli, Jen Hua Ling, Mastura Bujang, Dayang Siti Hazimmah Ali and Toh Sing Lee (2021) “**An Application of Blended Palm Oil Waste in Brick Production**”, Indonesian Journal of Computing, Engineering, and Design (IJoCED)3 (2) (2021) 97-105,
<http://ojs.sampoernauniversity.ac.id/index.php/IJO>

Proceedings

1. D.S. Hazimmah and S. Mohd. (2011). “**Mechanical Characterization of Acrylic-Emulsion Polymer-Modified Concrete Reinforced with Steel Fibre by Taguchi Application**” *Proceedings of the Fourth International Conference on Modeling, Simulation and Applied Optimization (ICMSAO'11)*, 19 – 21 April 2011, Kuala Lumpur, Malaysia.
2. D.S. Hazimmah, S. Mohd and P.R. Apte (2011). “**Optimization of Mix Proportion of Steel Fibre Reinforced of Acrylic Emulsion Polymer Modified Concrete**” *Proceedings of Asean Conference on Scientific and Social Science Research, Innovation and Challenges towards ASEAN Development Embracing Asean Diversity*, 22 – 23 June 2011, Penang, Malaysia.

3. Dayang Siti HAZIMMAH, Dato Dr Sabarudin MOHD, Prakash R.APTE (2011). **“Optimization of Mix Proportions of Steel Fibre, Acrylic Emulsion Polymer and Silica Fume for Improved Mechanical Properties of Modified Concrete using Taguchi Method”** *Proceedings of International Conference on Materials and Advance Technologies*, 26 June – 1 July 2011, Suntec, Singapore.
4. D.S. Hazimmah, S. Mohd. and H.T. Cheng (2011). **“Mechanical properties of Acrylic Emulsion Polymer-Modified Concrete Containing Steel Fibre as Reinforcement”** *1st International Conference and Exhibition of Women Engineer (ICEWE) 2011*, 21 – 22 November 2011, Gambang Resort, Kuantan, Pahang, Malaysia.
5. Afizah Ayob, Mohd. Ekhwan Razali, Salina Alias, Abdul Ghapar Ahmad and Dayang Siti Hazimmah Ali, (2016). **‘Engineering Behavior of Concrete with Recycled Aggregate’** MATEC Web Conf., Volume 87, 2017. The 9th International Unimas Stem Engineering Conference (ENCON 2016) “Innovative Solutions for Engineering and Technology Challenges”.
6. Dayang Hazimmah, Afizah Ayob, Lau Sie Yee, Wong Chee Chung (2017). **“Microstructural Aspects in Steel Fiber Reinforced Acrylic Emulsion Polymer Modified Concrete (SFRPMC)”**, International Conference on Civil & Environmental Engineering (CENVIRON2017), 28 – 29 November 2017, Flamingo Hotel by the Beach, Penang.
7. Dayang Siti Hazimmah Mohd Ali, Nadzirah Zainordin (2017), **Risk and Reward of Green Building Material: A Study Among Sarawak Construction Player**, 3rd Asia International Conference (AIC 2017), Universiti Teknologi Malaysia Kuala Lumpur, Malaysia.

8. Elisha Iling, Dayang Siti Hazimmah Ali and Mohd Shahril Osman (2019), **Morphological Characterization of Microwave Pre-Treated Oil Palm Fronds Composite Board**, 28th Scientific Conference of The Microscopy Society Malaysia (28th SCMSM), Swiss Garden Beach Resort, Kuantan, Pahang, Malaysia.

List of Awards:

1. Best Presenter Award, Microstructural Aspects in Steel Fiber Reinforced Acrylic Emulsion Polymer Modified Concrete (SFRPMC); International Conference on Civil & Environmental Engineering (CENVIRON2017).