
Curriculum Vitae

Name: Ashraf Bin A.Razak

List of Research:

Internal Grant -

1. Feasibility Study of the Design and Fabrication of Ohmic Heating (OH) Equipment in Food Sterilization and Food Essences Extraction (Lead Researcher) (2/2016/05)
2. Concentration of Pineapple Juice by a Locally Designed and Fabricated Reverse Osmosis System (Co-Researcher) (1/2016/08)
3. Investigation of Porous Concrete Fabricated with Bottom Ash and Geopolymeric Binder (Co-Researcher) (4/2017/04)
4. The Behavior of Concrete Beam Reinforced with Basalt Fibre Reinforced Polymer under Static Load (Co-Researcher) (1/2019/09)
5. Production of Canned Kenaf Seed Milk (Co-Researcher) (1/2018/01)
6. Design and Fabrication of 3 Phase Ohmic Heating (OH) System for Fermentation and Digestion with IoT Interface Module (Co-Researcher) (2/2019/06)

List of Publications:

Journals:

1. **A. Razak, A.**, Abidin, M., & Yaacob, A. (2017). "Static Ohmic Heating Vessel Design Concept: A Review". *Modern Agricultural Science and Technology*, Vol. 3, No. 3-4, Pg 33-37. (ISSN 2375-9402).

2. Mohamad, M. E., Wee, K., **A.Razak, A.**, Rizalman, A., & Abd Razak, M., (2018). "The Influence Of Self Compacting Concrete Fabricated With Bottom Ash On The Effect Of Fly Ash And Palm Oil Fuel Ash As Partial Cement Replacement". *Journal of Built Environment, Technology and Engineering*, Vol. 5, Pg 15-20, (ISSN 0128-1003).
3. Yaacob, A. R., **A.Razak, A.**, & Abidin, M. Z. (2019). "Electrical Characteristics Investigation of Ohmic Heating on Particulate Food Sterilization". *Journal of Information System and Technology Management*, 4(11), 34-44. (eISSN 0128-6666).
4. Mohd Salleh, H., Abidin, M. Z. & **A.Razak, A.**, (2020). "Sensory Evaluation on the Concentrated Pineapple Juice Produced through Reverse Osmosis Process". *Borneo Journal of Science & Technology*, 2(2), 77-80. (e-ISSN 2672-7439).
5. Ab Razak, A. F., Abidin, M., Abdullah, M., **A.Razak, A.**, Mohd Afandi, M., Karim, R., Saari, N., Wan Ibadillah, W. Z., Abdul Halim, S., Hamim, N. A., Ibrahim, S. G., and Mat Noh, N., (2021). "Physical and Chemical Characterization of Kenaf Seed MH 8234". *Borneo Journal of Science & Technology*, 3(1), 01-06. (e-ISSN 2672-7439).

Conference Proceedings:

1. Yaacob, A., **A.Razak, A.**, & Mohd, Z. A. (2018). Electrical Characteristics Investigation of Particulate Food Using Single Phase Ohmic Heater over Typical Food Sterilization Temperature Range. *International Conference on Sustainability, Technology and Business* (pp. 132-142). Melaka: Edusage Network.
2. Mohd Salleh, H., Abidin, M. Z., Osman, M. S., and **A.Razak, A.**, (2018). Design And Fabrication Of High Pressure Reverse Osmosis System. *Technology and Innovation International Conference*, Miri.

3. Mohamad, M. E., Desmond, K., **A.Razak, A.**, Rizalman, A., & Abd Razak, M. (2018). Effect of Palm Oil Fuel Ash and Eggshell Powder as Partial Replacement Cement to Lightweight Oil Palm Shell Concrete. *The International Conference on Durability of Building and Infrastructures*. Miri: Curtin Consultancy Service.

List of Awards:

1. Best Paper Award at The 5th Putrajaya International Built Environment, Technology and Engineering Conference (WMIT Group) – 2018.
2. Silver Award for Invention and Innovation Awards, Malaysian Technology Expo (PROTEMP) – 2019.
3. Silver Award at Innovation Technology Expo, Kuching (UNIMAS) – 2019.
4. Bronze Medal for Design Concept, Sarawak Innovation & Technology Exhibition (UCTS) – 2019.
5. Bronze Award for Invention and Innovation Awards, Malaysian Technology Expo (PROTEMP) – 2020.
6. Award of Merit at The Malaysia-Croatia Technology Exchange (PROTEMP) – 2020.
7. Silver Medal for International Invention, Innovation & Technology Exhibition (MIDS) – 2020.
8. Bronze Award for Protection of the Environment, Energy, Water, Wastewater Sanitation & Green Technology, Malaysian Technology Expo (PROTEMP) – 2021.
9. Award of Merit at The Malaysia-Croatia Technology Exchange (PROTEMP) – 2021.