


Curriculum Vitae

<p>I. Personal Particulars</p> <p>Name : Rosnani Bt Alkarimiah</p> <p>NRIC : 851009-06-5878</p> <p>Position : Lecturer (DS45)</p> <p>Address : No 17, Lorong Seri Saujana 9, Taman Seri Saujana, 14300, Nibong Tebal, Penang, Malaysia.</p> <p>Research ID: AAB-5699-2020</p> <p>ORCID ID: 0000-0002-8821-4614</p> <p>Scopus ID: 51061092300</p> <p>Tel : +6045996264 Fax: +6045996906</p> <p>Expertise: Composting (Waste Management)/ Environmental Engineering</p>																	
<p>II. Academic and Professional Qualifications</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Year</th> <th style="width: 30%;">Degree</th> <th style="width: 30%;">Discipline</th> <th style="width: 30%;">University</th> </tr> </thead> <tbody> <tr> <td>2018</td> <td>Doctor of Philosophy</td> <td>Composting</td> <td>Universiti Kebangsaan Malaysia</td> </tr> <tr> <td>2010</td> <td>Master of Engineering CGPA 3.85</td> <td>Environmental Management</td> <td>Universiti Teknologi Malaysia</td> </tr> <tr> <td>2008</td> <td>Bachelor of Engineering CGA 3.17</td> <td>Civil Engineering (Environmental)</td> <td>Universiti Teknologi Malaysia</td> </tr> </tbody> </table>		Year	Degree	Discipline	University	2018	Doctor of Philosophy	Composting	Universiti Kebangsaan Malaysia	2010	Master of Engineering CGPA 3.85	Environmental Management	Universiti Teknologi Malaysia	2008	Bachelor of Engineering CGA 3.17	Civil Engineering (Environmental)	Universiti Teknologi Malaysia
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<p>III. Work Experience</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Year</th> <th style="width: 20%;">Position</th> <th style="width: 40%;">Field of Work</th> <th style="width: 30%;">Place of Work</th> </tr> </thead> <tbody> <tr> <td>2014</td> <td>Research Assistant</td> <td>Zero Waste Management for Oil Palm Industry (Under Kursi UKM-YSD)</td> <td>Universiti Kebangsaan Malaysia</td> </tr> <tr> <td>2010</td> <td>ASTS Fellow</td> <td>Composting</td> <td>Universiti Sains Malaysia</td> </tr> </tbody> </table>		Year	Position	Field of Work	Place of Work	2014	Research Assistant	Zero Waste Management for Oil Palm Industry (Under Kursi UKM-YSD)	Universiti Kebangsaan Malaysia	2010	ASTS Fellow	Composting	Universiti Sains Malaysia				
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2010	ASTS Fellow	Composting	Universiti Sains Malaysia														

2008	Research Assistant	Dye Waste Water Treatment Process	Universiti Teknologi Malaysia
19/11/2018- Present	University Lecturer	Environmental/Geotechnic Teaching Courses: 1. EAG443- Rock and Slope Engineering 2. EUM114- Advanced Engineering Calculus 3. EAA304- Geotechnical Laboratory 4. EAA492- Final Year Project	Universiti Sains Malaysia

RESEARCH AND PUBLICATION

Research Publications

ISI/SCIE Indexed Journal (As First Author and Corresponding Author)

Rosnani Alkarimiah, Siti Baizura Mahat, Ali Yuzir, Mohd. Fadhil Md. Din & Shreeshivadasan Chelliapan. 2011. Performance of an innovative multi-stage anaerobic reactor during start-up period. African Journal of Biotechnology.10(54): 11294-11302

Alkarimiah, R & Suja' F. 2019. Effects of technical factors towards achieving the thermophilic temperature stage in composting process and the benefits of closed reactor system compared to conventional method-A mini review. Applied Ecology and Environmental Research. 17(4):9979-9996.

Alkarimiah, R & Suja' F. 2019. Volatile solid kinetic degradation of EFB biowaste composting process. Applied Ecology and Environmental Research. 17(5):11551-11566.

Alkarimiah, R & Suja' F. 2020. Composting of EFB and POME by Step Feeding Strategy in Rotary Drum Reactor –Effect of Active Aeration and Mixing Ratio to the Composting Performance. Pol. J. Environ. Stud. Vol. 29, No. 4 (2020), 2543-2553.

Chapter in Book (As First Author and Corresponding Author)

R. Alkarimiah and F. Suja'. 2020. Co-composting of EFB and POME Using Rotary Drum Reactor by Partially Sequence Feeding Strategy. Springer Nature Switzerland AG 2020, F. Mohamed Nazri (ed.), Proceedings of AICCE'19, Lecture Notes in Civil Engineering 53, https://doi.org/10.1007/978-3-030-32816-0_114

International Indexed Journal (As First Author and Corresponding Author)

Rosnani Alkarimiah & Rakmi Abd Rahman. 2014. Co-Composting of EFB and POME with the Role of Nitrogen- Fixers Bacteria as Additives in Composting Process-A Review. *International Journal of Engineering Science and Innovative Technology*. 3(2): 132-145

Conference Presentation

1. Co composting of EFB and POME using rotary composter. *International Conference of Engineering and Built Environment (ICEBE 2012)*. 1-6 November 2012, Uniten Hotel, Kajang, Malaysia.
2. Review on co composting of EFB with nitrogen fixing bacteria as N:C enhancer. *International Conference on Environment 2012 (ICENV 2012)*. 11-13 Disember 2012, Park Royal Hotel, Penang, Malaysia.
3. Co composting of EFB and POME by step feeding strategy in rotary drum reactor-effect of active aeration and mixing ratio to the composting performance. 157th The IRES International Conference, Kuala Lumpur, Malaysia, 18th-19th March, 2019.

Research Grant

University

(i) Principal Investigator:

Short Term Grant (USM) :RM37,800.00

Title: Operational Factors That Affected EFB Compost Process in the Rotary Drum Reactor and the Used of Biochar-Amended to Improve Compost Product

Researcher: Rosnani bt Alkarimiah (Dr.), Hamidi bin Abdul Aziz@Abdul Rahman (Prof. Dr.), Nor Habsah bt Md Sabiani (Dr.)

Duration: 2 February 2020- 31 Januray 2022