Curriculum Vitae of Academic Staff Teaching In This Programme

i.	**Full Name**	**Suzana Binti Ratim**
ii.	**Academic Qualifications**	**2019** Doctor of Phylosophy (Materials Science) Universiti Kebangsaan Malaysia, Bangi **2006** Master of Science (Materials Science) Universiti Kebangsaan Malaysia, Bangi. **2002** Bachelor of Science (Materials Science) Universiti Kebangsaan Malaysia, Bangi.
iii.	**Current Professional Membership**	- Penasihat Persatuan Teknologi Bahan - Penasihat (Material) UiTM Eco Photon - Bridgestone World Solar Challenge 2017 (Darwin – Adelaide)
iv.	**Current Teaching and Administrative Responsibilities**	- Resource Person Kod Kursus MST 536 - Composite Materials - Resource Person Kod Kursus MST 543 – Fabrikasi dan pemprosesan bahan Komposit. - Penasihat Persatuan Pelajar Teknologi Bahan (MATECH) 2017-2019 - Penasihat Malam Anugerah Saintis Muda 2019, Fakulti Sains Gunaan - AJK OBE dan Piawai Akademik 2019 Fakulti Sains Gunaan, - Ahli Jawatankuasa Konferens 5th International Conference on Sustainanble Agricultre, Food and Energy (Safe2017) - Ahli Biro MQA Jawatankuasa Kecil Piawai Akademik Fakulti Sains Gunaan - AJK Semakan Rekabentuk Kursus dan Kurukulum Program Ijazah Sarjana Muda Teknologi Bahan bagi keperluan iCGPA (2016-2017) -Resource Person (RP) of Composite Materials and Fabrication (MST 555) - Resource Person (RP) of Biomaterials (MST 541) - AJK Tabletop Scanning Electron Microscope (SEM) -AJK Publicity & Website ASEAN Smart Grid Congress – 2016 -AJK Venue Sustainable Agricultural Food and Energy Conference - 2017
v.	**Previous Employment**	Apr- Jun 2006 -Pegawai Khidmat Singkat, PKS (MOSTI) Jan- April 2006 – Guru Ganti SMK Sg Besi
vi.	**Conference and Training**	***Conference Presentations*** **S. Ratim,** S Ahmad, N N Bonnia, Sabrina M Yahaya**.** Mechanical Properties of Hybrid SiC/CNT Filled Toughened Epoxy Nanocomposite. *International Conference on Advance Material and Manufacturing Engineering*. 2017 **S. Ratim**, S. Ahmad, N.N. Bonnia, E.S. Ali, J.A. Razak. Tensile Behavior of SiCNP and MWCNTs Filled Toughened Epoxy Nanocomposites: A Comparative Study. *5th International Conference on Recent Advances in*

		Materials, Minerals and Environment (RAMM) & 2nd International Postgraduate Conference on Materials, Mineral and Polymer. 2015 **Suzana Ratim**, Sahrim Ahmad and Saifollah Abdullah Influence **o**f Low Loading SiC Nanoparticles on Tensile Behavior of Toughened Epoxy Nanocomposite**.** *The 6th International Conference on Postgraduate Education.* 2014 **Suzana Ratim**. The Effect of Woven and Non-woven Fiber Structure on Mechanical Properties of Polyester Composites reinforced Kenaf Fiber. *2nd ASEAN-APCTP Workshop on Advanced Materials Science and Technology*. 2010 **Suzana Ratim**. Effect of Chemical Treatment and Fiber Loading of Kenaf Fiber on Mechanical Properties of Unsaturated Polyester Composites. *25th Regional Conference on Solid State Science and Technology*. 2009. **Suzana Ratim**. Tensile Properties of Thermoplastic Natural Rubber Composite Filled Rice Husk. *3rd USM-JIRCAS Joint International Symposium*. 2004. **Suzana Ratim,** Sahrim Ahmad, Rozaidi Rasid**.** Thermoplastic natural rubber hybrid composites filled rice husk and oil palm empty fruit bunch. *The 4th Annual Seminar of National Science Fellowship 2004*
vii.	**Research and Publications**	**Articles in Refereed Journals** **S. Ratim**, S Ahmad, NN Bonnia, ES Ali, JA Razak - Tensile Behavior of SiCNP and MWCNTs Filled Toughened Epoxy Nanocomposites: A Comparative Study. *Proceedia Chemistry*, 2016 **S. Ratim** and N. N. Bonnia, The effect of woven and non-woven fiber structure on mechanical properties polyester composite reinforced kenaf. *AIP Conference Proceedings* (2012); doi: http://dx.doi.org/10.1063/1.4732481 NN Bonnia, MS Kamaruddin, MH Nawawi, **S Ratim,** H.N.Azlina & E.S.Ali. Green Biosynthesis of Silver Nanoparticles Using 'Polygonum Hydropiper'And Study Its Catalytic Degradation of Methylene Blue, *Procedia Chemistry*, 2016. JN Hasnidawani, HN Azlina, H Norita, NN Bonnia **S.Ratim** & E.S.Ali. Synthesis of ZnO Nanostructures Using Sol-Gel Method. *Procedia Chemistry*, 2016 NN Bonnia, SN Surip, SYS Yahya, **S Ratim** Fundamental

		studies on mechanical and thermal properties of hybrid rubber toughened polyester kenaf nanocomposite. 2012 NN Bonnia, SN Surip, **S Ratim**, MM Mahat - Mechanical performance of hybrid polyester composites reinforced Cloisite 30B and kenaf fibre. *AIP Conference Proceedings 2nd*, 2012 Rabiah Md Amin, Rahmah Mohamed, **Suzana Ratim**.2009. Effect of Flexural Properties and Glass Transition of Maleated Sago Starch Unsaturated Polyester Composite. *Malaysia Polymer International Conference (MPIC 2009)*
viii.	**Consultancy**	- None
ix.	**Community Service**	1.Pegawai Pengiring Program Kembara Ilmu Jelajah Desa Matech 2016. 2. Perasmi Majlis Graduasi Pelajar Ting. 5 SMK Rawang.
x.	**Other Relevant Information**	1. Served as a reviewer of Industrial Training Presentation, Materials Technology Programme, FSG 2009- to present. 2. Served as an examiner of several Final year research projects, Faculty of Applied Science, UiTM, 2012- to Present.
	Field of expertise	Polymer Nanocomposites