CURRICULUM VITAE

A. BUTIR-BUTIR PERIBADI ***(Personal Details)***			
Nama Penuh *(Full Name)*	Nor Kamilah Saat		Gelaran *(Title): Dr*
No. MyKad / No. Pasport *(Mykad No. / Passport No.)* 791024015578	Warganegara *(Citizenship)* *Malaysia*	Bangsa *(Race)* *Melayu*	Jantina *(Gender)* *Perempuan*
Jawatan *(Designation)*	Pensyarah Kanan	Tarikh Lahir *(Date of Birth)*	24 Oktober 1979

Alamat Semasa *(Current Address)*	Jabatan/Fakulti *(Department/Faculty)*	E-mel dan URL *(E-mail Address and URL)*
No. 52, Jalan KP 2/19, Kota Perdana, Bandar Putra Permai, 43300 Seri Kembangan Selangor Tel:.-	Jabatan Fizik , Fakulti Sains Universiti Putra Malaysia Tel:03-89466687 Fax:	E-mel:kamilah@upm.edu.my URL:.- H/P:0192657879

B. KELAYAKAN AKADEMIK ***(Academic Qualification)***			
Nama Sijil / Kelayakan *(Certificate / Qualification obtained)*	Nama Sekolah Institusi *(Name of School / Institution)*	Tahun *(Year obtained)*	Bidang pengkhususan *(Area of Specialization)*
PhD	University Of Leed, UK	2012	Technology photonics
Master of Sciences	University Malaya	2007	Photonics
Bachelor of Science	UPM	2002	Physics

C. KEMAHIRAN BAHASA *(Language Proficiency)*					
Bahasa / *Language*	Lemah *Poor (1)*	Sederhana *Moderate (2)*	Baik *Good (3)*	Amat Baik *Very good (4)*	Cemerlang *Excellent (5)*
English					√
Bahasa Melayu					√
Chinese					
Lain-lain *(other):*					

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN *(Scientific experience and Specialisation)*				
Organization	*Position*	*Start Date*	*End Date*	*Expertise*
Optical Society of America	Member	2014		Photonics, Themal imaging, Optics
Malaysian Society for Solid State Science & Technology	Life Member	2015		Photonics, Themal imaging, Optics
Malaysian Institute of Physics	Member	2017		Photonics, Themal imagig, Optics

E. PEKERJAAN *(Employment)*				
Majikan */ Employer*	Jawatan */ Designation*	Jabatan / *Department*	Tarikh lantikan / *Start Date*	Tarikh tamat / *Date Ended*
UPM	Tutor	Fizik	2003	2011
UPM	Pensyarah Kanan	Fizik, Fak. Sains	Mei 2012	sekarang

F. ANUGERAH DAN HADIAH *(Honours and Awards)*				
Name of awards	*Title*	*Award Authority*	*Award Type*	*Year*
Academic Awards	SLAI	Kementerian Pengajian Tinggi & UPM	National	2007
Non-Academic Awards	-	-	-	-
Awards of Merit	-	-	-	-

G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) *(List of publications – author (s), title, journal, volume, page and year published)*	
Journal	**1.** Muhammad Kashfi Shabdin , Abdul Rashid Mohamed Shariff, Mohd Nazrul Azlan Johari , Nor Kamilah Saat , Zulkifly Abbas, "A study on the oil palm fresh fruit bunch (FFB) ripeness detection by using Hue, Saturation and Intensity (HSI) approach" 8th IGRSM International Conference and Exhibition on Remote Sensing & GIS (IGRSM 2016), IOP Conf. Series: Earth and Environmental Science, 37, 012039, 2016. **2.** Z. Rizwan , N. Kamilah Sa'at , A. Zakaria, "Optical Characterization Of As-Deposited And Air-Annealed Cds Film Grown By Cbd Technique", Journal of Ovonic Research, 13, 283-289, 2017. **3.** Nor Kamilah Saat , Paul Dean, Suraj P. Khanna, Mohamed Salih, Edmund Harold Linfield and Alexander Giles Davies, "Focused Beam Profiling From A Terahertz Quantum Cascade Laser" Jurnal Teknologi (Sciences and Engineering), 72, 1-6, 2015. 4. N. K. Saat, P. Dean, S. P. Khanna, M. Salih, E. H. Linfield and A. G. Davies, "Switching circuit to improve the frequency modulation difference-intensity THz quantum cascade laser imaging, AIP Conf. Proc., vol. 1657, pp. 040004, 2015 5. P Dean, M Salih, S P Khanna, L H Li, N K Saat, A Valavanis, A Burnett, J E Cunningham, A G Davies and E H Linfield, "Resonant-phonon depopulation terahertz quantum cascade lasers and their

	application in spectroscopic imaging", Semicond. Sci. Technol., 27, 094004, 2012 6. 7. N. K. Saat, P. Dean, S. P. Khanna, M. Salih, E. H. Linfield and A. G. Davies, "Switching circuit to improve the frequency modulation difference-intensity THz quantum cascade laser imaging, AIP Conf. Proc., vol. 1657, pp. 040004, 2015 8. P Dean, M Salih, S P Khanna, L H Li, N K Saat, A Valavanis, A Burnett, J E Cunningham, A G Davies and E H Linfield, "Resonant-phonon depopulation terahertz quantum cascade lasers and their application in spectroscopic imaging", Semicond. Sci. Technol., 27, 094004, 2012 9. P. Dean, N. K. Saat, S. P. Khanna, M. Salih, A. Burnett, J. Cunningham, E. H. Linfield, and A. G. Davies, "Dual-frequency imaging using an electrically tunable terahertz quantum cascade laser", Optics Express, vol. 17, pp. 20631-20641, 2009 10. S. W. Harun, N. K. Saat, H. Ahmad, "Gain control in S-band erbium-doped fiber amplifier using a fiber bragg grating", IEICE Electronics Express, vol. 2, pp. 186-191, 2005 11. S.W. Harun, X.S. Cheng, N.K. Saat and H. Ahmad, "S-band Brillouin erbium fibre laser", Electronic Letters, vol. 41, pp 174-176, 2005 12. H Ahmad, N K Saat ,and S W Harun, "Effect of doped-fiber's spooling on performance of S-band EDFA", Laser Phys. Lett., vol. 2, pp. 412, 2005 13. S. W. Harun, N. K. Saat, H. Ahmad, "A Partial Double-Pass S-Band Erbium-Doped Fibre Amplifier", Chinese Phys. Lett., vol. 22, pp. 3080, 2005 14. S. W. Harun, N. K. Saat, H. Ahmad, "An efficient S-band erbium-doped fiber amplifier using double-pass configuration" IEICE Electronics Express, vol.2, pp.182–185, 2005.
Books/Monographs	1. Saat, Nor Kamilah Binti (2011) *Imaging using an electronically tunable terahertz quantum cascade laser* (Doctoral dissertation). Retrieved from http://ethos.bl.uk/OrderDetails.do?uin=uk.bl.ethos.574599 2. Saat, Nor Kamilah (2006) *Investigations of S-band erbium doped fibre amplifier* (Master of Science dissertation)
Chapter in book	-
Proceedings	**1.** Muhammad Kashfi Shabdin , Abdul Rashid Mohamed Shariff, Mohd Nazrul Azlan Johari , Nor Kamilah Saat , Zulkifly Abbas, "A study on the oil palm fresh fruit bunch (FFB) ripeness detection by using Hue, Saturation and Intensity (HSI) approach" 8th IGRSM International Conference and Exhibition on Remote Sensing & GIS (IGRSM 2016), IOP Conf. Series: Earth and Environmental Science, 37, 012039, 2016. **2.** Nor Hasana Isa, Raba'ah Syahidah Azis, Nor Kamilah Saat, Azmi Zakaria, and Raheleh Mohammadi, "DC degradation characterization of optimum Gd2O3 and Nd2O3 substituted ZnO-based low-voltage varistor ceramics", abstract book of Malaysian Sciences and Technology Congress (MSTC 2017), COSTAM, 50, 2017 **3.** Azura Amran, Nor Kamilah Saat, "Knife edges technique for focused beam profiling of the photothermal imaging system", Abstract book of International Laser Technology and Optics Symposium 2017(iLATOS 2017), 2017

	4. Nor Kamilah Saat, Amira Abd Sukor, Nor Hasanah Isa, Sidek Abdul Aziz, "The effect of electrical stability of ZnO Varistor with waste SLS glass additives", Abstract book of 6th International Conference on Solid State Science and Technology (ICSSST 2017), 207, 2017 **5.** Nor Hasanah Isa, Raba'ah Syahidah Azis, Nor Kamilah Saat, and Azmi Zakaria, "The effect of sintering time on the nonlinear coefficient of ZnO based ceramics varistor sucstituted with Nd2O3 and Gd203", Abstract book of Fundamental Science Congress (FSC 2017), 171, 2017 **6.** Rosno Kinsu* Azmi Zakaria, Nor Kamilah Sa'at and Raba' ah Syahidah Azis, "The effect of graphene oxide reduction technique towards its optical properties", 6th Abstract book International Postgraduate Conference on Science and Mathamatics 2017 and International Conference on Science, Technology, engineering and Mathematics 2017, 236, 2017. **7.** Nor Kamilah Saat, Azura Amran, Azmi Zakaria, "Study of subsurface defect of carbon Fiber composite by using Frequency Dependence Photothermal Imaging system", Abstract of Fundamental Science Congress (FSC 2016), 185, 2016 **8.** N K. Saat, N. I.I. Ismal, and Azmi Zakaria, "Structural, Morphological, and Optical properties Of Co2O3-doped Ceramics" Abstract book of 5th International Conference on Solid State Science and Technology (ICSSST 2015), 232, 2015. **9.** N. K. Saat, P. Dean, S. P. Khanna, M. Salih, E. H. Linfield and A. G. Davies, "Difference-intensity THz QCL imaging by amplitude modulation and lock in detection", in Fundamental Science Congress 2014, 2014 **10.** N.K. Saat, P. Dean, S.P. Khanna, M. Salih, E.H. Linfield and A.G. Davies, "Switching Circuit to Improve the Frequency Modulation Difference-Intensity THz Quantum Cascade Laser Imaging", in PERFIK-2014, 20014 **11.** N. K. Saat, P. Dean, S. P. Khanna, M. Salih, A. G. Davies, and E. H. Linfield, "Multi-frequency imaging using a terahertz quantum cascade laser", in 35th International Conference on Infrared, Millimeter, and Terahertz Waves, IRMMW-THz 2010, IEEE, 2010. **12.** N K Saat , H Ahmad, and S W Harun, "Spooling effect of doped fiber's on performance of S-band EDFA", MMU International Symposium on Information and Communication Technologies 2005, M2uSIC 2005, 2005
Other publications	-
Computer software	-

H. PROJEK PENYELIDIKAN TERDAHULU *(Past Research Project)*

Project No.	*Project Title*	*Role*	*Year*	*Source of fund*	*Status*
GP-IPM/9464700	Frequency dependence photothermal imaging system for non-destructive evaluation of composites	Project leader	1/12/2015-1 /6/2017	UPM	On going