CURRICULUM VITAE

A. BUTIR-BUTIR PERIBADI ***(Personal Details)***			
Nama Penuh *(Full Name)*	HARMAEN AHMAD SAFFIAN		Gelaran *(Title): DR.*
No. MyKad / No. Pasport *(Mykad No. / Passport No.)*	Warganegara *(Citizenship)* *MALAYSIA*	Bangsa *(Race* *) MALAY*	Jantina *(Gender)* *MALE*
Jawatan *(Designation)*	SENIOR RESEARCH OFFICER (Q48)	Tarikh Lahir *(Date of Birth)*	22.06.1962

Alamat Semasa *(Current Address)*	Jabatan/Fakulti *(Department/Faculty)*	E-mel dan URL *(E-mail Address and URL)*
INSTITUTE OF TROPICAL FORESTRY AND FOREST PRODUCTS (INTROP) UPM Tel:	BIOPOLYMER AND DERIVATIVES LABORATORI Tel: 6038947 7011 Fax:	E-mail: harmaen@upm.edu.my URL: H/P:6016 902 3310

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	UPM	2016	Biocomposites technology
M.Sc	UPM	2010	Biocomposites technology
B.Sc	UPM	2005	Wood Science and Technology

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			*x*		
Bahasa Melayu			x		
Chinese					
Lain-lain *(other):*					

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN *(Scientific experience and Specialisation)*				
Organization	*Position*	*Start Date*	*End Date*	*Expertise*

E. PEKERJAAN ***(Employment)***				
Majikan */ Employer*	Jawatan */ Designation*	Jabatan / *Department*	Tarikh lantikan / *Start Date*	Tarikh tamat / *Date Ended*
UPM	Research Officer	INTROP	2008	present

F. ANUGERAH DAN HADIAH *(Honours and Awards)*				
Name of awards	*Title*	*Award Authority*	*Award Type*	*Year*
Academic Awards	Graduate Student Fellowship	IEEE Lasers and Electro-optics Society	National	2000
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	- **Harmaen Ahmad Saffian**, Khalina Abdan, Mohd Ali Hassan, Nor Azowa Ibrahim and Mohammad Jawaid. Characterisation and biodegradation of poly(lactic acid) blended with oil palm biomass and fertiliser for bioplastic fertiliser composites. *BioResources* 11(1), 2055-2070 **(2016).** Impact Factor: 1.425 (Q1). - **A. S. Harmaen**, A. Khalina, H. Mohd Ali, I. Nor Azowa. Thermal, morphological, and biodegradability properties of bioplastic fertilizer (BpF) composites made of oil palm biomass, fertilizer, and polyhydroxyl-valerate (PHBv). *International Journal of Polymer Science*, **(2016).** Impact Factor: 1.632 (Q2). - **Ahmad Saffian Harmaen**, Abdan Khalina, Ibrahim Azowa, Mohammad A. Hassan, Asghar Tarmian, Mohammad Jawaid. Thermal and biodegradation properties of poly(lactic acid)/fertilizer/oil palm fibers blends biocomposites. *Polymer Composites,* 36(3), 576-583 **(2015).** Impact Factor: 1.632 (Q2).

	- **Harmaen Ahmad Saffian**, Khalina Abdan, Mohd Ali Hassan, Azowa Ibrahim. Characterization, morphology, and biodegradation of bioplastic fertilizer (BpF) composites made of poly (butylene succinate) blended with oil palm biomass and fertilizer. *Polymer Composites*, **(2015).** Impact Factor: 1.195 (Q2). - **Harmaen Ahmad Saffian,** Paridah Md Tahir, Jalaluddin Harun and Mohamad Jawaid. Influence of Planting Density on Fibre Morphology and Chemical Composition of New Latex-timber Clone Tree of Rubberwood (Hevea brasiliensis). Bioresources, 9(2), 2593-2608, **(2014).** - **A.S Harmaen,** A. Khalina and M.Faizal and M.Jawaid. Effects of Triacetin on Tensile Properties of Oil Palm Empty Fruit Bunch Fibre- Reinforced Polylactic Acid Composites. Journal of Polymer-Plastics Technology and Engineering. 52, Pp 400 – 406, **(2013).** - **A.S Harmaen**, H Jalaluddin and MT Paridah. Properties of Medium Density Fibreboard Panel Made from Rubberwood and Empty Fruit bunches of oil Palm Biomass. Journal of Composite Materials. Volume 47, number 22, pages 2875-2883, **(2012).** - **Harmaen Ahmad Saffian**, Jalaluddin Harun, Paridah Md Tahir and Khalina Abdan. Feasibility of Manufacturing a Medium Density Fibreboard Made of 4-year old Rubber Tree RRIM 2020 Clone. Journal of Key Engineering Material Vols. 471-472 pp 839-844. **(2011).**
Books/Monographs	- Kenaf: A Potential Fibre for Pulp and Paper Manufacturing. Authors Group and Member of the Editorial Group. **Copyright© 2012**. ISBN : 978-967-5384-33-2
Chapter in book	- **A.S Harmaen**, A.Khalina and J.L Rachel Mechanical Properties of oil palm frond reinforced with poly lactic acid (PLA) composites. Submitted to Chapter in book. Status: Edited by Prof.Dr.Sapuan Salit **(2012).**
Proceedings	- **A.S. Harmaen**, A. Khalina, H. Mohd Ali, I. Azowa. Biodegradable plastic compounded with oil palm biomass to produces bioplastic fertilizer (BpF) composites. *International Conference*

	on Advances in Functional Materials. Stony Brook University, New York, U.S.A. June 29 - July 3, **2015.** - **A.S. Harmaen**, A. Khalina, H. Mohd Ali, I. Azowa. Leaching nitrogen of poly (lactic acid)/oil palm biomass blended with NPK fertilizer for bioplastic fertilizer (BpF) composites. *The 7th International Conference on Sustainable Agriculture for Food, Energy and Industry in Regional and Global Context* (*ICSAFEI 2015*). Faculty of Engineering, UPM, Serdang, Selangor. August. 25-27, **2015.** - **Harmaen Ahmad Saffian**, Khalina Abdan, Mohd Ali Hassan, Nor Azowa Ibrahim. Biodegradable plastic compounded with oil palm biomass and fertilizer to produces bioplastic fertilizer (BpF) composites. *Putra Research Symposium.* Putra Learning Space, CADE, UPM. Serdang, Selangor. April. 28, **2015.** - A.S. Harmaen, A. Khalina, H. Mohd Ali, I. Nor Azowa. Leaching nitrogen of poly (hydroxybutyrate-co-valerate)/oil palm biomass blended with NPK for slow release control. INTROP Research Colloquium, RHR Hotel, UNITEN, Bangi, Selangor. December, 1 – 2, **2015.**
Other publications **INTROPica Bulletin**	- **Harmaen Ahmad Saffian** & Khalina Abdan. Bioplastic Fertilizer (BpF) for Slow Release Control? INTROPica, ISSN No.1985-4951, **Issue 8 June 2013-June 2014.**
Computer software	

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

Project No.	*Project Title*	*Role*	*Year*	*Source of fund*	*Status*
01-03-06-001FR	The impacts of fundamental research …	Project leader	2006	MOHE	Completed
	Effect of Triacetine on Tensile Properties of Oil Palm Empty Fruit Bunch Fibre Reinforced Poly lactic acid Composites	**Harmaen Ahmad Saffian-**	**2009-2012**	RUGS 30,000	Completed
	Development of Irradiated	**Harmaen Ahmad**	**Jan 2014-Dis 2015**	Putra Geran	Completed

	BioPlastic Fertilizer Blend with Natural Fibre and NPK Fertilizer for Slow Release Control	**Saffian**		149,000	
	Development and Characterization of Fibre Retardant Kenaf-Oil Palm Nano Filler Reinforced Hybrid Biocomposites	Dr.Mohamad Jawaid Project Leader and **Harmaen Ahmad Saffian- Co-Researcher**	**Jan 2014-Dis 2015**	Putra Geran 149,000	Completed