CURRICULUM VITAE

A. BUTIR-BUTIR PERIBADI *(Personal Details)*			
Nama Penuh *(Full Name)*	**MOHD HADI AKBAR BIN BASRI**		Gelaran *(Title)*: **Dr.**
No. MyKad / No. Pasport *(Mykad No. / Passport No.)* **870524135205**	Warganegara *(Citizenship)* **MALAYSIAN**	Bangsa *(Race)* **MALAY**	Jantina *(Gender)* **MALE**
Jawatan *(Designation)*	**SENIOR LECTURER**	Tarikh Lahir *(Date of Birth)*	**24.05.1987**

Alamat Semasa *(Current Address)*	Jabatan/Fakulti *(Department/Faculty)*	E-mel dan URL *(E-mail Address and URL)*
6, Jalan Balakong Jaya 14, Taman Balakong Jaya, 43300 Selangor Tel: 0133320491	Department of Crop Science, Faculty of Agriculture, UPM. Tel: +603-9769 4802 Fax:	E-mail: hadiakbar@upm.edu.my URL: https://profile.upm.edu.my/hadiakbar H/P: 0133320491

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)*
Ph.D	University of Exeter, UK	2024	Agronomy
MSc.	Universiti Putra Malaysia	2014	Soil Fertility
Bachelor	Universiti Putra Malaysia	2009	Bioindustry

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):* *MELANAU, IBAN, MELAYU SARAWAK*			✓		

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN *(Scientific experience and Specialisation)*				
Organization	*Position*	*Start Date*	*End Date*	*Expertise*
The Malaysian Society of Soil Science	Member	2025	Current	Soil Science
International Society of Oil Palm Agronomists, Malaysia	Member	2019	Current	Oil Palm Agronomist
Academic Writing for Doctoral Students (University of Exeter, UK)	Member	2020	2020	Academic Writing
British Ecological Society, London, UK	Member	2022	2023	Ecologist
British Society of Soil Science, UK.	Member	2022	2023	Soil Scientist
An Introduction to R (University of Exeter, UK)	Member	2020	2020	Programming and Analysis
Academic Writing for Science and Technology (University of Exeter, UK)	Member	2020	2020	Academic writing
Presentation Skills (University of Exeter, UK)	Member	2020	2020	Presentation skill
Statistical Modelling in R (University of Exeter, UK)	Member	2020	2020	Programming and Analysis

E. PEKERJAAN *(Employment)*				
Majikan / *Employer*	Jawatan / *Designation*	Jabatan / *Department*	Tarikh lantikan / *Start Date*	Tarikh tamat / *Date Ended*

Universiti Putra Malaysia	Senior Lecturer	Department of Crop Science, Faculty of Agriculture, UPM	16.05.2024	Current
University of Exeter, UK	Postgraduate Teaching Associate	Department of Enviromental, Science and Economy	08.2022	09.2023
FGV HOLDINGS	Agronomist	Agronomic Advisory Department	2015	2019
PKSJ FERTILIZERS SDN BHD	Agronomist	Agronomic Advisory Department	2014	2015
NILAI UNIVERSITY	Lecturer	Department of Applied Science	2013	2014
UPM	Research Assistant	Faculty of Forestry	2011	2014
SD GUTHTRIE	Cadet Planter	Sahua Estate, Plantation Department, Sarawak	2009	2009

F. ANUGERAH DAN HADIAH *(Honours and Awards)*

Name of awards	*Title*	*Award Authority*	*Award Type*	*Year*
Non-Academic Awards	Sijil Perkhidmatan Cemerlang	Universiti Putra Malaysia	Perkhidmatan Cemerlang	2024

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. **Basri, M.H.A** and Jamahuri, M.K. (2025). Application of hatch and carry box of oil palm weevil, *Elaeidobius kamerunicus* and its effect on fruit set development of oil palm planted on peat soil. *Journal of Oil Palm Research.*

2. **Basri, M.H.A**., Kho, L., Hartley, I., McCalmont, J. P., Teh, Y., Rumpang, E., Abu Bakar, N., Sa'adi, Z. and Hill, T. (2025). The effects of maintaining higher water level on the yield of oil palm plantations planted on tropical peat soils. *Agriculture, Ecosystems and Environment*. 10.2139/ssrn.4767219

3. **Basri, M.H.A**., Kho, L., Hartley, I., McCalmont, J. P., Teh, Y., Rumpang, E., Abu Bakar, N., and Hill, T. (2025). Long-term

measurement of soil carbon emissions and environmental drivers in oil palm peat plantations (young and mature) and peat swamp forest. *Frontiers in Global Change*. 10.2139/ssrn.4767267

4. Sa'adi, Z., Mazilamani, L. S., Sa'adi, N., **Basri., M.H.A**., Alias, N.E. and Yusop, Z. (2025). The likelihood of a significant trend based on a family of Mann-Kendall tests for extreme rainfall in Borneo. 139, 103959. *Physics and Chemistry of the Earth, Parts A/B/C.* https://doi.org/10.1016/j.pce.2025.103959.

5. Sa'adi, Z., Hamed, M.M., Muhammad, M.K.I., Chow, M.F., Mohamad, N.A., **Basri, M.H.A**., Ahmad, M.F.A., Sa'adi, N., Alias, N.E., Yusop, Z. and Houmsi, M.R. (2024). Employing gridded-based dataset for heatwave assessment and future projection in Peninsular Malaysia. *Theoretical and Applied Climatology*. https://doi.org/10.1007/s00704-024-04946-2.

6. Abu Bakar, N., Adzahar, M.S., Suherman, F.H.S., Abu Bakar, N.H. and **Basri, M.H.A**. (2024). Enhancing the use of coated urea fertilizer and assessing its effect on growth and yield performance in grain corn. World Journal of Advanced Research and Reviews. https://doi.org/10.30574/wjarr.2024.22.1.1267.

7. Noorsuhaila, A B; Illani Zuraihah, I[2]; Noor Haslizawati, A B[2]; Muhammad Zamir, A R[2]; Faridah, M[2]; Theeba, M[2]; Nor Hazlina, M S[3]; Farah Huda, S S[3]; Taufikurahman, B[4] and **Mohd Hadi Akbar, B.** (2026). Unlocking The Potential Of Pome As Soil Amendment To Enhance Growth And Yield Performance Of Maize Cultivated On Bris Soil. *Journal of Oil Palm Research.* https://doi.org/10.21894/jopr.2026.0017

8. Abu Bakar, N., Mansor, H., Manickam, T., Anang, R., & **Akbar Basri, M. H.** (2025). Evaluating The Efficacy of Slow-Release Fertiliser on Growth Performance for One Time Fertilisation of Sweet Corn. *AgroTech- Food Science, Technology and Environment*, *4*(2), 37-46 https://doi.org/10.53797/agrotech.v4i2.3.2025

9. McCalmont, J., Kho, L. K., Teh, Y. A., Chocholek, M., Rumpang, E., Rowland, L., **Basri, M. H. A**., and Hill, T. (2023) Oil palm (Elaeis guineensis) plantation on tropical peatland in SouthEast Asia: Photosynthetic response to soil drainage level for mitigation of soil carbon emissions. *Science of The Total Environment* 858(October 2022): doi.org/10.1016/j.scitotenv.2022.159356.

10. **Basri, M. H. A**., Abdu, A., Karim, M. R., Junejo, N., Abdul Hamid, H., Norrashid, N. S., and Abu Bakar, N. (2016) Optimizing fertilizers doses and their effects on photosynthesis and biomass yield of Hibiscus cannabinus cultivated on BRIS soil. *Acta Agriculturae Scandinavica Section B: Soil and Plant Science* 66(6): 534–543.

11. **Basri, M. H. A**., Arifin, A., Nasima, J., Hazandy, A. H., and Khalil, A. (2014) Journey of kenaf in Malaysia: A Review. *Scientific Research and Essays* 9(11): 458–470.

12. **Basri, M. H. A**., Junejo, N., Abdu, A., Abdul Hamid, H., and Ashadie Kusno, M. (2013) Elevation and variability of acidic sandy soil pH: Amended with conditioner, activator, organic and inorganic fertilizers. *African Journal of Agricultural Research* 8(29): 4020–4024.

13. **Basri, M. H. A**., Abdu, A., Jusop, S., Ahmed, O. H., Abdul-Hamid, H., Kusno, M., Zainal, B., Senin, A. L. & Junejo, N. (2013). Effects of Mixed Organic and Inorganic Fertilizers Application on Soil Properties and the Growth of Kenaf (*Hibiscus cannabinus* L.) Cultivated on Bris Soils. *American Journal of Applied Sciences*, *10*(12), 1586-1597.

14. **Basri, M. H. A.**, Ahmed, O. H., Jamaluddin, A. S., Majid, N. N. A., Abdul-Hamid, H., Jusop, S., Hassan, A., Yusof, K. H. & Abdu, A. (2010). Differences in Soil Physical and Chemical Properties of Rehabilitated and Secondary Forests. *American Journal of Applied Sciences*, *7*(9), 1200-1209.

15. Patek-Mohd, N. N., Abdu, A., Jusop, S., Abdul-Hamid, H., Karim, M. R., Nazrin, M., **Basri, M.H.A**., and Jamaluddin, A. S. (2018) Potentiality of melastoma malabathricum as phytoremediators of soil with sewage sludge. *Scientia Agricola* 75(1): 27–35. doi.org/10.1590/1678-992X-2016-0002.

16. Malik, M. N. A., Abdu, A., Karam, D. S., Jusop, S., Hamid, H. A., Jamaluddin, A. S., **Basri, M. H.A**. & Mohd, N. P. (2015). The Fertility Status of Soils at Rehabilitated Degraded Land in Universiti Putra Malaysia Planted with *Pinus caribaea* and *Swietenia macrophylla*. *American Journal of Applied Sciences*, *12*(10), 752-758. doi.org/10.3844/ajassp.2015.752.758.

17. Jamaluddin, A. S., Abdu, A., Abdul-Hamid, H., **Basri, M.H.A**., Banga, T. S., Jusop, S. & Majid, N. M. (2013). Assessing Soil Fertility Status of Rehabilitated Degraded Tropical

	Rainforest. *American Journal of Environmental Sciences*, *9*(3), 280-291. doi.org/10.3844/ajessp.2013.280.291.
Books/Monographs	Optimizing Fertilizers Use for Kenaf in BRIS Soil , Author, Online, UPM Press, National, 9786297689593 , [1 - 90], MALAYSIA, 2024
Proceedings	1. Enhancing Accuracy of Flux Measurements in Oil Palm Ecosystems through combined automated and manual method. ICPTech 2025. 2. Are soil surface CO2 flux emissions in tropical oil palm peat plantation measurements biased by sampling design? – British Ecological Society Annual Meeting 2022. 3. Reducing Bias on flux measurement in oil palm ecosystem: automatic and manual approach – Research Showcase, University of Exeter, UK, 2023 4. Effects of Organic and Inorganic Fertilizers Application on BRIS soil – International Symposium on Tropical Forest Ecosystem Science and Management: "Challenges and Solution". Dewan Sri Kenyalang, Universiti Putra Malaysia Bintulu Campus Sarawak, Malaysia, 11 -13 September 2013. 5. Effects of Organic and Inorganic Fertilizers Application on Sandy Soil Fertility, Physiology and Kenaf Productivity – presented in INTROP Research Colloquium 2012.
Other publications	**Harta Intelek:** 1. Embedding Agriculture in STEM for School Children: Know Your Oil Palm (2025) 2. Embedding Agriculture in STEM for School Children: Know Your Cassava (2025) 3. Embedding Agriculture in STEM for School Children: Know Your Soil (2024) **Artikel Surat Khabar:** 1. Ahli Agronomi: Pemacu kelestarian dan produktiviti ladang kelapa sawit, Bernama (2025) 2. Inovasi Hijau: Cecair POME Kelapa Sawit Tingkatkan Hasil Timun & Kurangkan Baja, Harian Metro (2025) 3. Teknik timbunan tanah bantu tingkat hasil buah sawit, RTM. (2024)
Computer software	1. Microsoft office (Excel, Word, Outlook etc.). 2. R statistical language (extensive use). 3. QGIS and Google Earth with wide experience of spatial mapping (GPS) and analysis of field trials. 4. SAS statistic software. 5. Adobe Photoshop. Range of equipment specific software.

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

Project No.	*Project Title*	*Role*	*Year*	*Source of fund*	*Status*

GP-IPM/2025/9820600	Boosting Oil Palm Yields and Sustainability on Peat Soils through Innovative Soil Mounding	Project Leader	2025-2027	GP-IPM UPM	On-going
GPI(KMD)	Effect Of Fluactuating Water Level On Co2 Soil Respiration In Oil Palm Peat Plantations	Project Leader	2025-2027	GP- Inisiatif UPM	On-going
Yanzco-Amco	Field Trial Of Calciprill (Omya) In Oil Palm And Rice Cultivation In Malaysia	Project Leader	2025-2026	Yanzco Malaysia Sdn Bhd.	On-going
FGV HOLDING	Effect of Algae Spot Disease in Oil Palm Tree Photosynthesis	Project Leader	2026-2027	FGV HOLDING	On-going
6380237	Acceleration of Growth and Retting of Kenaf Fiber by Pectinolytic Bacterial Consortia	Member	2025-2028	PARTNER PROGRAM, BARC	On-going