

MD AIMAN TAKRIM BIN ZAKARIA

Nationality : Malaysian
Expertise : Horticulture
Pomology
Email : aimantakrim@upm.edu.my
Mobile : +6012-9487584
LinkedIn : www.linkedin.com/in/mdaimantakrimzakaria



SUMMARY

A committed, self-motivated and enthusiastic horticulturist graduated from Universiti Putra Malaysia (UPM) with efficient and strong work ethic. He is effective at multi-tasking and working under pressure to accomplish overall objectives. A problem solver that emphasizes detailed pre-work planning, strategic collaboration and critical thinking. He strongly believes that with a right platform and exposure, he could fulfill his potential and deliver greatly to the industries.

EDUCATION

Doctor of Philosophy Horticulture (2018-2022)
Universiti Putra Malaysia, Serdang Campus, Selangor
CGPA: 4.0

Master of Horticultural Science (2016-2018)
Universiti Putra Malaysia, Serdang Campus, Selangor
CGPA: 3.839

Bachelor Horticultural Science (2012-2016)
Universiti Putra Malaysia, Serdang Campus, Selangor
CGPA : 3.864

Diploma Food Estate Management (2009-2012)
Universiti Putra Malaysia, Bintulu Campus, Sarawak
CGPA : 3.844

ACHIEVEMENT

Ph.D : Dean List Award (2019)

Master : Dean List Award (2017 & 2018)

Bachelor : Vice Chancellor Award (2015 & 2016)
Dean List Award (2012-2014)

Diploma : Vice Chancellor Award (2012)
Dean List Award (2010 & 2011)

EXPERIENCE

Tenaga Nasional Berhad Research: Leafy Vegetables and Low-land Strawberry Production (Fertigation System)
Research Assistant (May 2018 - Jan 2019)

Malaysian Agricultural Research and Development Institute (MARDI): Organic Farm and Agro-Waste Management
Research Assistant (Feb 2016-Aug 2016)

Aikir Enterprise: Bebiri Agri-Tourism & Homestay
Assistant Manager (Oct 2015 – Jan 2016)

Universiti Putra Malaysia (UPM): Chilli and Rock Melon Production (Fertigation System and Post-Harvest Management)
Research Assistant (Jun 2015-Sept 2015)

Fazz Enterprise Farm: Food Crop Production & Oil Palm Plantation
Assistant Manager (Sept 2011-April 2012)

Jaya Gading Farm Sdn. Bhd.: Poultry Production
Assistant Manager (May 2011- Sept 2011)

Turtle and Marine Ecosystem Centre (TUMEC)
Research Assistant (Dec 2008-May 2009)

PUBLICATION / DISSERTATION

List of Book

M.Z. Aiman Takrim, S.S. Zaharah, M.F. Ramlan, H.ZE Jaafar, B. Ali and M.S. Norliza. (2018). Climate Restriction to Banana Productivity in Malaysia. Department of Crop Science, Faculty of Agriculture, Universiti Putra Malaysia.

M.S. Norliza, S.S. Zaharah, K. Sijam, M.F Ramlan, **M.Z. Aiman Takrim**, and B. Ali. (2018). Fusarium Wilt: A Silent Killer to Banana Production. Department of Crop Science, Faculty of Agriculture, Universiti Putra Malaysia.

List of Thesis

Regulation of Enriched Silicon and *Bacillus subtilis* on Controlling *Fusarium* Wilt Disease and Their Effect on Growth and Physio-Biochemical Changes of Banana

Effects of Brassinolide and Anti-Transpirants Under Water Stress Conditions on Plant Growth and Physico-Chemical Changes of *Musa acuminata* Colla cv. Berangan.

Effect of Biochar on Growth, Physiology, Yield and Quality of *Capsicum annuum* var. Kulai

List of Journal

M.Z. Aiman Takrim, S.S Zaharah, M.R. Ismail, S. Kasim, & K. Ahmad (2023). A field evaluation of sodium silicate and *Bacillus subtilis* on the growth and yield of bananas following *Fusarium* wilt disease infection. *Journal of Sustainability*, published journal.

M.Z. Aiman Takrim, S.S Zaharah, M.R. Ismail, S. Kasim, & K. Ahmad (2023). Biostimulant activity of silicate compounds and antagonistic bacteria on physiological growth enhancement and resistance of banana to *Fusarium* wilt disease. *Journal of Plants*, published journal.

M.Z. Aiman Takrim, S.S Zaharah, M.R. Ismail, S. Kasim, & K. Ahmad (2023). Growth enhancement and resistance of banana plants to *Fusarium* wilt disease as affected by silicate compounds and application frequency. *Journal of Plants*, accepted journal.

M.S. Norliza, S.S. Zaharah, K. Sijam, M.F Ramlan, **M.Z. Aiman Takrim** & B. Ali. (2023). Potential of *Bacillus subtilis* inoculated on Biorichar amended soil for suppression of *Fusarium* wilt, leaf gas exchange and biochemical changes under different water regimes condition of banana (*Musa acuminata*) cv. Berangan. *Fundamental of Applied Agriculture*, submitted journal.

M.Z. Aiman Takrim, S.S Zaharah, M.R. Ismail, S. Kasim, & K. Ahmad (2021). Effectiveness of K₂SiO₃ on growth and physio-biochemical changes of banana seedlings grown under tropical climate as influenced by application frequency. In IOP Conference Series: Earth and Environmental Science, published journal.

M.Z. Aiman Takrim, S.S. Zaharah, M.F. Ramlan, H.ZE Jaafar, B. Ali and M.S. Norliza. (2018). Morphological and physiological changes of banana (*Musa acuminata* cv. Berangan) to brassinolide at nursery stage. *Journal of Tropical Plant Physiology*, published journal.

M.Z. Aiman Takrim, S.S. Zaharah, M.F. Ramlan, H.ZE Jaafar, J. A. Shukor, B. Ali & M.S. Norliza. (2018). Effect of different water regime and plant growth regulators on growth, physiology and yield of banana (*Musa acuminata* cv. Berangan) in tropical. *Fundamental of Applied Agriculture*, published journal.

M.Z. Aiman Takrim, S.S. Zaharah, M.F. Ramlan, H.ZE Jaafar, B. Ali & M.S. Norliza. (2019). Influence of water stress in association with application of brassinolide and minerals on growth, physiological and biochemical changes of banana (*Musa acuminata* cv. Berangan). *Journal of Agrobiotechnology*, published journal.

M.S. Norliza, S.S. Zaharah, K. Sijam, **M.Z. Aiman Takrim**, B. Ali, T. Manickam & J. Tan. (2018). Effect of Biorichar amendment on growth, nutritional properties and biochemical changes of banana (*Musa acuminata* cv. Berangan) established in an ultisol soil at vegetative stage. *Journal of Tropical Plant Physiology*, published journal.

M.S. Norliza, S.S. Zaharah, K. Sijam, M.F Ramlan, **M.Z. Aiman Takrim** & B. Ali. (2018). Physiological change of banana by inoculation of *Bacillus subtilis* under water stress challenged with *Fusarium*. *International Agrophysics Journal*, published journal.

Conference

M.Z. Aiman Takrim, S.S Zaharah, M.R. Ismail, S. Kasim, & K. Ahmad (2021). Effectiveness of K₂SiO₃ on growth and physio-biochemical changes of banana seedlings grown under tropical climate as influenced by application frequency. The 17th National Congress of Indonesian Biological Society (PBI) 2021 as **presenter**.

M.Z. Aiman Takrim, S.S Zaharah, M.R. Ismail, S. Kasim, & K. Ahmad (2021). Prosiding : Potensi dan kesan kekerapan aplikasi potassium silika (K₂SiO₃) terhadap perubahan pertumbuhan, fisiologi dan biokimia tanaman pisang (*Musa acuminata*) persidangan buah-buahan kebangsaan 2021. “ Buah-buahan : Ke Arah Memperkasakan Industri Pertanian Negara” as **presenter**.

M.Z. Aiman Takrim, S.S. Zaharah, M.F. Ramlan, H.ZE Jaafar, B. Ali & M.S. Norliza. (2017). Influenced of brassinolide application on growth and morphological changes of *Musa acuminata* cv. Berangan at nursery stage. The 27th Malaysian Society of Plant Physiology Conference, 21st-23rd August 2017, Johor.

Hawa, Z.E.J., Siti Zaharah, S., Puteri Edaroyati, M.W., Kamaruzaman, S., **Md Aiman Takrim Z.**, Alias, A.A, Siti Norliza M.D., Rudy, T. & Muhammad Adip, M.T., (2017). Proceeding from NCKT '17: Empowering human talent of the prisons' community through lifelong learning in banana herbs industrial cultivation opportunity. 4th International Conference on Knowledge Transfer, 11-12 December 2017, Kedah.

M.Z. Aiman Takrim, S.S. Zaharah , A.B. Salwani & N.M Aisah (2015). Kesan Biochar ke atas pertumbuhan, hasil dan kualiti cili (*Capsicum annuum* var. Kulai). Seminar Kebangsaan Pertanian Organik (SKOr) 2015. 2-3 Jun 2015, Kedah.

CURRICULUM ACTIVITY

10th International Symposium on Plant-Soil Interactions at Low pH (2018)

6th International Agriculture Students Symposium (2018)

27th Malaysia Society of Plant Physiology Conference (2017)

International Agriculture Conference on Organic Community Organic Farming Transformation (2015)

Participant in Intercollege Archery Competition (2015)

Basic Terrarium Programme (2015)

International Agriculture Congress (2014)

Fruit Tree Planting Day Program (2014)

Seminar Agrofest (2011)

COMPETENCY AND SKILL

Agriculture :

Excellent in farm management (data base, plant tissue culture, nursery, farm waste, pest and disease and postharvest handling)

Computer:

Microsoft offices: Word, Power Point, Excel, Statistical Analysis System software (SAS 9.4) and others.

Construction :

Building (Wood and Steel)

Language :

English and Malay

REFEREES

Assoc. Prof. Dr. Siti Zaharah Sakimin
Senior Lecturer
Email : szaharah@upm.edu.my

Assoc. Prof. Dr. Hawa ZE Jaafar
Senior Lecturer
Email : hawazej@upm.edu.my

Prof. Dr. Mohd Razi Ismail
Professor
Email : razi@upm.edu.my