



# CURRICULUM VITAE

## WAN FAZILAH BINTI FAZLIL ILAHI

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### PERSONAL PARTICULARS

Age	34
Nationality	Malaysian
Marital status	Married
Date of birth	3 Jun 1983

### EDUCATION BACKGROUND

<b>Ph.D</b> Universiti Putra Malaysia, Serdang, Selangor.	<b>2017</b> Doctor of Philosophy (Biological and Agricultural Engineering) Specialization: Soil and Water Engineering
<b>Master</b> Wageningen University, The Netherlands.	<b>2009</b> Master of Science (Agricultural and Bioresource Engineering) Specialization: Irrigation and water Engineering
<b>Bachelor</b> Universiti Putra Malaysia, Serdang, Selangor.	<b>2006</b> Bachelor of Engineering (Biological and Agricultural) Specialization: Irrigation and Water Resource Eng.
<b>College</b> Penang Matriculation College, Kepala Batas, Penang.	<b>2002</b> Certificate: Matriculation Program (Pure Science) Ministry of Education Malaysia
<b>Secondary School</b> MRSB Pengkalan Chepa, Kelantan. SMK Zainab (1), Kota Bharu, Kelantan.	<b>2000</b> SPM - Science <b>1998</b> PMR - Science

## EMPLOYMENT HISTORY

2007 - Present	<b>Tutor</b> Department of Agriculture Technology, Faculty of Agriculture, Universiti Putra Malaysia. Tutoring students in subject related to field, e.g. Agricultural mechanization. Require further studies in Master and PhD.
2006 - 2007	<b>Part Time Tutor and Lab Demonstrator</b> Soil Mechanics and Agricultural Mechanization laboratories, Faculty of Engineering and Faculty of Agriculture Universiti Putra Malaysia. Responsible for teaching practical classes.
2005	<b>Industrial Training</b> MARDI Serdang, Selangor. Involve in subsurface irrigation and fertigation system projects in a rain shelter environment.
2005	<b>Part Time Tutor</b> Department of Biological and Agricultural Engineering, Faculty of Engineering, Universiti Putra Malaysia. Soil Mechanics tutorial class.

## THESIS & DESSERTATION

Ph.D	Hysteresis of Cocopeat-Perlite Mixture under Root Zone Cooling System for Growing of Butterhead Lettuce, 2017, Universiti Putra Malaysia.
Master	Soil Wetting Pattern with Subterranean Plant Supply System under Different Soil Types - Evaluation of the new nanotube system, Major Thesis, 2009, Wageningen Univeristy.  Evapotranspiration Models in Greenhouse, Minor Thesis, 2009, Wageningen University.
Bachelor	Design and Evaluation of a Subsurface Micro Irrigation System for Orchard Plant, 2006, Universiti Putra Malaysia.

## SKILLS AND COMPENTENCES

### Technical

Irrigation systems designing & Operation Watershed Management assessment, soil technology management, greenhouse technology, geo information science and remote sensing

### Computer

MS Office, AutoCAD, GTA Tools, ArcGIS, WEPP, Hcanales, SAS, CROPWAT, CLIMWAT, SWRC Fit, Ansys Fluent

**Artistic**  
Engineering Drawing

## RESEARCH INTEREST & EXTENTION PROGRAMS

### Research

- Irrigation system design, water saving, on-farm irrigation systems, water & crops, water delivery, darinage system.
- Control environment technology, root zone cooling system, urban agriculture.
- Agricultural mechanization, agricultural automation.

### Profesioanal Bodies

- Board of Engineers Malaysia (BEM) (GE53539)
- Malaysian Society of Agricultural Engineer (MSAE)

## HONOURS & AWARDS

Honours & Awards	Place	Year
Participant at <i>Ekspo Rekacipta &amp; Pameran Penyelidikan UniMap</i> ”Advance Sub-Surface Micro Irrigation System for Productivity Enhancement of Harmanis Mango Crops”	Universiti Malaysia Perlis, UNIMAP	2014
Federal Scholarship Awards. Skim Latihan Akademik IPTA (SLAB)	University/Ministry of Higher Education of Malaysia	2007 - 2009
Federal Scholarship Awards. Skim Latihan Akademik IPTA (SLAI)	University/Ministry of Higher Education of Malaysia	2010 - 2013
Excellence Service Award	Faculty of Agriculture, UPM	2008/2009

## CONTINUING EDUCATION

Activities	Place	Date
Symposium: Towards Super Productivity and sustainability in Agriculture Employing UPMs Technology and Expertise	Auditorium, Office of the Deputy Vice Chancellor (Research & Inovation)	24 August 2017
Comittee of the Summer Programme Faculty of Agriculture	Faculty of Agriculture, UPM	12 July 2017 -12 July 2020
International Agriculture Congress 2016	Hotel Bangi - Putrajaya, Malaysia	4 – 6 October 2016
Programme Developing A champion Mindset: Resilience and Preseverance	Canselori Putra, UPM	2 August 2016
Talk on Hyperspectral Camera for UAV Platform	Faculty of Engineering, UPM	1 June 2016

Comitte of Projek Diraja	Faculty of Agriculture, UPM	25 January 2016
Eksp Rekacipta & Pameran Penyelidikan UniMap 2014	Pauh Putra Campus, UniMap	6 February 2015
International Agriculture Congress 2014	Pullman Putrajaya Lakeside, Putrajaya Malaysia	25 – 27 November 2014
National Symposium on Urban Agriculture	Palm Garden Hotel, Putrajaya	17 October 2013
The PhD Examination Process Seminar	School of Graduate Studies, UPM	14 July 2012
Managing the Writing Process Seminar	School of Graduate Studies, UPM	13 July 2012
Technique and Skill Improvement in Using the 'Integrated' SAS and Excel Packages in Data Handling, Statistical Analysis, and the Analysis Output and Presentation	School of Graduate Studies, UPM	1 – 2 December 2010

## PUBLICATION

1. Ilahi, W. F. F. (2009). Evapotranspiration models in greenhouse. Irrigation and Wter Engineering Group. Wageningen University.
2. Ilahi, W. F. F., Ahmad, D., & Husain, M. C. (2017). Effects of root zone cooling on butterhead lettuce grown in tropical conditions in a coir-perlite mixture. Horticulture, Environment, and Biotechnology, 1-4.
3. Wan Fazilah Fazlil Ilahi, Desa Ahmad. (2017). A Study on the Physical and Hydraulic Characteristics of Cocopeat Perlite Mixture as a Growing Media in Containerized Plant Production. Sains Malaysiana, 46(6): 975-980.
4. Wan Fazilah Fazlil Ilahi, Desa Ahmad (2016). Physical Characteristics of Cocopeat and Cocopeat-Based Growing Medium in Soilless Culture. Pertanika Journal of Scholarly Research Reviews. (Draft 2016).
5. Wan Fazilah Fazlil Ilahi, Desa Ahmad, Mohammud C.H., Ahmad Syafik S.S. (2017). Determination of water retention and hysteresis characteristics of cocopeat perlite mixture. HortScience. (Draft 2017).
6. Wan Fazilah Fazlil Ilahi, Desa Ahmad (2017). Physical Characteristics of Cocopeat- Based Mixtures and their potential effects on water availability. (Draft 2017).
7. Wan Fazilah, F.I, Lee, T.S., Ahmad Syafik, S.S. (2013). Coco Peat as a Suitable Porous Media for Use in Urban Agriculture. Poster exhibited presented at National Symposium on Urban Agriculture, Palm Garden Hotel, IOI Resort, Putrajaya, 17 October 2013.

## GOOGLE SCHOLAR CITATION

Since 2012

Citations 6

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## REFEREES

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**Prof. Ir. Dr. Desa Ahmad**

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