

REGISTRATION

Limited space available up to **25 participants**

Register now at :

<https://goo.gl/forms/KUFC0Vo3O3KT6KyI2>



Scan me

Dateline for Registration:
15th March 2019

Dateline for full payment:
19th March 2019

WORKSHOP FEE

Normal Fee : RM600

Postgraduate Student : RM500

Fee includes workshop materials, floor assignments and evaluation, certificates of attendance, morning and afternoon tea breaks and lunches.

METHODS OF PAYMENT

Registration fee can be paid through :

**Cash/Money Order/ Postal Order/
Cheque/Bank Draft/LO/PO/ EFT/
Credit card/ Vote transfer (UPM only)**

Payable to : Kira-kira Am UPM

Bank Name : CIMB BANK BERHAD

Bank Address : CIMB UPM Branch,
43400 UPM Serdang,
Selangor

Account No. : 8002151963

Reference : Statistical Workshop ITAFoS
and Participant's Full Name

**Please email the proof of payment and
student card** (*proof of student ID card is applicable for
student's only*) **to :**

foodcroplab2018@gmail.com

cc to : amanina@upm.edu.my

WORKSHOP CONTENT

Day 1 (3rd April 2019)

Fundamentals of Statistics

- Introduction to statistics
- Descriptive Statistics (mean, standard deviation, standard error, coefficient of variation etc.)
- Normal Distribution
- Linear Regression
- Multiple Regression
- 't' Test
- Means Comparison using Tukey's test, LSD & Duncan

Day 2 (4th April 2019)

Experimental Designs

- Completely Randomised Design (CRD)
- Randomised Complete Block Design (RCBD)
- Split Plot
- Split-split plot
- Latin Square

**Payment should be made before
19 March 2019**

**The registration will only be
confirm after the payment is made**



WORKSHOP ON STATISTICAL ANALYSIS USING SAS FOR BIOLOGICAL EXPERIMENT

**3 - 4 APRIL 2019
09:00 AM - 05:00 PM**

Organised by :

Laboratory of Climate-Smart
Food Crop Production
Institute of Tropical Agriculture &
Food Security
Universiti Putra Malaysia

INTRODUCTION

The workshop is designed for participants who have limited experience with SAS but is interested to understand the tools and statistical analysis techniques for research. Participants will be exposed to the basics of data analytics and the language of SAS.

In this workshop, participants will learn how to open datasets, importing and merge data files, combine tables, explore data with simple statistics and graphs, recoding variables, SAS Functions and produce descriptive statistics.

Participants will also learn how to produce dependent and independent variables, conduct various tests of significance and measures of association, continue with produce and interpret chi square tests, t-tests, Pearson product moment correlation matrices, reliability analyses, analysis of variance and ordinary least squares regression results.



VENUE

**Makmal Komputer
Block E
Faculty of Agriculture
Universiti Putra Malaysia**

WHO SHOULD ATTEND

- **Data analysts**
- **Researchers**
- **Lecturers**
- **Scientist**
- **Post-graduate Students**



Please scan this QR code to register

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CONTACT US

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or
Mrs. Nur Amanina**

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Food Security (ITAFoS)
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FACILITATORS



**Professor
Dr. Mohd Rafii Yusop**
Director
Institute of Tropical
Agriculture and Food Security
Universiti Putra Malaysia

Prof. Rafii research activities include crop breeding through conventional and molecular approaches to enhance yield, quality and tolerance/resistance of crops to biotic and abiotic stresses. He has contributed significantly in the advancement of research at Malaysian Palm Oil Board (1991-2002) and UPM (2003 to date) particularly on oil palm and food crop breeding. To date, he has published over 200 journal publications mostly in reputed citation indexed journals. He has obtained recognition at the international and national levels on his achievements as a scientist such as the Top Research Scientist Malaysia (TRSM) 2017 by Academy of Sciences Malaysia, Malaysia's Rising Star Award 2016-International Collaboration by Elsevier and Ministry of Higher Education (MOHE), the Best Industrial Linkage Project Award 2017, UPM and Vice Chancellor Excellence Researcher Award 2013, UPM.



Dr. Mashitah Jusoh
Senior Lecturer
Department of Crop Science
Faculty of Agriculture
Universiti Putra Malaysia

Dr. Mashitah studied Horticulture Sciences minoring in Applied Statistics at the University of Wisconsin Madison, USA. She teaches statistics and experimental design courses and uses SAS software for the undergraduate and postgraduate students. Her research interest is in crop production and modelling in a controlled environment.