



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

INSPEM WEEKLY SEMINAR

33/2019



#UNSDG

Date & Time

Friday, 6th September 2019 @ 3.15 pm

Venue

Al-Farabi Seminar Room, Second Floor,
INSPEM

Presenter

Mdm. Iszuanie Syafidza Hj. Che Ilias

Research Officer
Laboratory of Computational Statistics & Operations
Research, INSPEM



Topic

**DETECTING CLIMATE CHANGE IN PENINSULAR MALAYSIA :
QUANTILE REGRESSION APPROACH**

Abstract

Rapid climate change is happening worldwide and is affecting ecosystems processes as well as plant and animal abundances and distribution. However, the climate variability observed in urban and sub-urban often impairs the statistical detection of long-term trends using standard statistical methods, especially if one is primarily interested in specific components of the climate changes. Here we highlight how quantile regression overcomes some of the confounding effects of large climate variability in long-term rainfall data. The research focused on the extreme rainfall at the 3 cities of Peninsular Malaysia that always been facing the flash flood during the rainfall season.