

**BIODATA RINGKAS
AHLI PROJEK**

1) PROFIL

Nama: **ZURIANTI ABD RAHMAN**

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Jawatan: **Pensyarah**

2) BIDANG KEPAKARAN: Semiconductor Physics

3) PENYELIDIKAN (2010-KINI)

Tajuk: OPTIMISATION ON POLYMER-DYE BLENDED STRUCTURE FOR BULK HETEROJUNCTION PHOTODIODE

Geran: Lestari UiTM 2016-2018

Peranan: Ahli Projek

Tajuk: ELECTRICAL AND OPTICAL PROPERTIES OF MODIFIED PEDOT:PSS/GO-PEDOT:PSS/GRAPHENE THIN FILM FOR ORGANIC ELECTRONIC DEVICES

Geran: FRGS UiTM 2015 – 2017

Peranan : Ketua Projek

Tajuk: . STUDY OF THE EFFECT OF DOPING ON THE PHYSICAL PROPERTIES OF PEDOT:PSS FOR APPLICATIONS AS BUFFER LAYER IN ORGANIC SOLAR CELL AND AS P-TYPE MATERIAL IN THERMOELECTRIC DEVICE.

Geran: PPP Grant, UM

Peranan : Ketua projek

Tempoh: 2011 -2013

4) PENERBITAN DAN PENULISAN KERTAS 2012-KINI (10 TERBAIK)

a) Rahman, Z.A., K. Sulaiman, et al. (2012). PEDOT:PSS Thin film as Transparent Electrode in ITO-Free Organic Solar Cell. *Advanced Materials Research*, **501**, 252-256.

- b) Rahman, Z.A., Rusop, M., Ahmad, Shuhaimi, A., Sulaiman, K. (2012). Electronic Properties and Electrical Characteristics of Modified PEDOT:PSS as a Buffer Layer in Organic Solar Cell. *IEEE, ICEDSA 2012*, 198-202. DOI: [10.1109/ICEDSA.2012.6507796](https://doi.org/10.1109/ICEDSA.2012.6507796)
- c) Rahman, Z.A., K. Sulaiman, et al. (2013). The Seebeck Effect of 3,4,9,10-Perylenetetracarboxylic dianhydride (PTCDA) as a Novel N-type Material in a Thermoelectric Device. *Advanced Materials Research*, **667**, 165-171.
- d) Sulaiman, K., Ahmad, Z., Fakir, M.S., Wahab, F.A., Abdullah, S.M., Rahman, Z.A. (2013). Organic Semiconductors: Applications in Solar Photovoltaic and Sensor Devices. *Materials Science Forum*, **737**, 126-132.
- e) Zafar, Q., Ahmad, Z., Sulaiman, K., Hamzah, A.S., Rahman, Z.A. (2014). A MEHPPV/VOPcPhO composite based diode as a photodetector. *Sensors and Actuators A: Physical*, 206, 138-143.

5) KEAHLIAN PROFESIONAL - TIADA

6) AWARDS – TIADA