



# MRS. HASIAH BINTI SALLEH

SENIOR LECTURER

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Universiti Malaysia Terengganu, 21030 Kuala  
Nerus, Terengganu, Malaysia

## EDUCATION

**MSc. Physics (Solid State Materials)**

Universiti Kebangsaan Malaysia  
1996 -1998

**BSc. (Hons) Nuclear Science**

Universiti Kebangsaan Malaysia  
1989-1993

## EMPLOYMENT

**LECTURER,  
DS 52**

➤ 2018 – PRESENT  
➤ UMT

**LECTURER,  
DS 45**

➤ 2001– 2018  
➤ UMT

**LECTURER,  
DS 45**

➤ 1998 – 2001  
➤ UMS

**TUTOR,  
DS 41**

➤ 1997 – 1998  
➤ UMS

## EXPERTISE

- MATERIALS SCIENCE
- SOLID STATE
- PHYSICS
- MOLECULAR ELECTRONIC
- ADVANCE MATERIALS
- SOLAR CELLS
- RENEWABLE ENERGY

## AWARDS

- The Best Poster – MPI2024
- Special Award – ITEX 2013
- Doble Gold (Natural Earth)-British IAWA 2012
- The Best Award - MTE 2012
- The Best Poster – EMS 2012
- The Best Poster – UMTAS 2012

## PUBLICATIONS

|              | Web of science | Scopus | Google Scholar |
|--------------|----------------|--------|----------------|
| Publications | 28             | 45     | 50             |
| Citations    | 112            | 186    | 242            |
| H-index      | 6              | 8      | 9              |

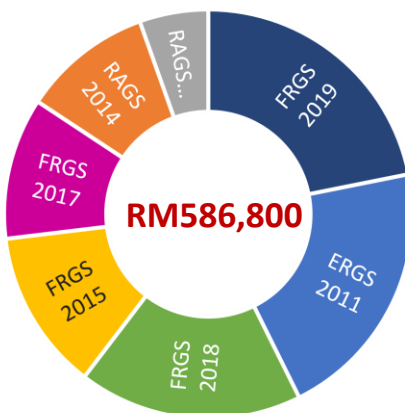
Research ID : W-8666-2018 Google Scholar ID: HASIAH SALLEH  
Scopus ID :57192658403 ORCID :0000-0002-7479-1795

## SELECTED PUBLICATIONS

- Triyanto, A., Ali, N. A., Salleh, H., Setiawan, J., & Yatim, N. I. (2024). Development of natural dye photosensitizers for dye-sensitized solar cells: a review. Environmental Science and Pollution Research, 1-12.
- Kamarulzaman, N. H., Salleh, H., Dagang, A. N., Ghazali, M. S. M., Ishak, N., & Kamarudin, W. F. W. (2023). Natural Dye's Photodegradation Effect Towards Optical Properties For Solar Energy Applications. Jurnal Teknologi, 85(1), 167-176.
- Arifin, N. A. M., Salleh, H., Dagang, A. N., Ali, N. A. N., Alias, N. S., & Kamarulzaman, N. H. (2021). Photodegradation Effect On Optical Properties Of Mangosteen Pericarp, Black Grape Peel And Violet Bougainvillea Flowers As Photosensitizer For Solar Cell Application. Jurnal Teknologi, 83(5), 109-117.
- Dhafina, W. A., Daud, M. Z., & Salleh, H. (2020). The sensitization effect of anthocyanin and chlorophyll dyes on optical and photovoltaic properties of zinc oxide based dye-sensitized solar cells. Optik, 207, 163808.
- Kamarulzaman, N. H., Salleh, H., Dagang, A. N., Ghazali, M. S. M., Ishak, N., & Ahmad, Z. (2020, May). Optimization of Titanium Dioxide Layer Fabrication Using Doctor Blade Method in Improving Efficiency of Hybrid Solar Cells. In Journal of Physics: Conference Series (Vol. 1535, No. 1, p. 012025). IOP Publishing.

## RESEARCH AND INNOVATION

**7** RESEARCH GRANTS 1 PI, 7 CO **17** PRODUCT INNOVATION 6GOLD,6SILVER,6BRONZE



- ITEX 2013
- MTE 2012
- British IAWIA 2012
- SCITEX 2013
- iENA Nuremberg-2013
- ITEX 2017



- ITEX 2012
- PECIPTA 2013
- SCITEX 2012
- MPI 2018
- MPI 2020
- MPI2024



- MTE 2013
- MPI 2018
- PECIPTA 2018
- MPI 2023
- MPI 2024-2

## TEACHING & SUPERVISION

**5** UNDERGRADUATE COURSES

FUNDAMENTAL PHYSICS

SUSTAINABLE DEVELOPMENT

PHYSICS AND THIN FILM  
TECHNOLOGY

AQUSTICS PHYSICS

SENSOR AND TRANSDUCER

**6** POSTGRADUATE

2 – PhD-Complete  
4 – MSc-Complete

**96** UNDERGRADUATE

92 – Complete  
04 – Ongoing