

---

[VOL. 121 MAR. 2021](#)





---

## Research

### Ts. Dr. Roshahliza invents smart solar irrigation system for areas without electricity

16 March 2021

A researcher from the Faculty of Electrical and Electronic Engineering Technology (FTKEE), Ts. Dr. Roshahliza M Ramli, 38, has invented a small-scale and portable smart solar irrigation system that does not require electricity.

According to this Kuala Lumpur native, the system can be monitored and used from afar using a smartphone app.

“This research was started in 2018 for the first slightly larger prototype.

[More Create Newsletter](#)

## PATRON

Professor Ir. Dr. Wan Azhar Wan Yusoff

## EDITOR-IN-CHIEF

Muhammad Azli Shukri

## EDITOR

Safriza Haji Baharuddin

## CONTRIBUTORS

Mimi Rabita Abdul Wahit

Nur Hartini Mohd Hatta

Nor Salwana Mohammad Idris

## WEB MASTER

Mohd Suhaimi Hassan

## DESIGNER

Azman Md Diah

Noor Azhar Abd Rasid

Mohd Zulkifly Hamzah

## PHOTOGRAPHER

Khairu Aidilnisha Rizan Jalil

Muhammad Naufal Samsudin

## PUBLICATION ASSISTANT

Hafizatulazlin Abd Aziz

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or by any means, including but not limited to electronic, mechanical, photocopying, recording or by any information storage and retrieval system, without prior agreement and written permission from the Editor. The views and opinions contained in this publication do not necessarily reflect those of Universiti Malaysia Pahang. Universiti Malaysia Pahang is not responsible towards any losses experienced by any party due to non-performance based on information provided in this publication. Images, colors, sizes, typography and layout are for reference only. Copyright and may not reproduced. For more information and news, please forward to:

## EDITOR

Penerbit UMP

Universiti Malaysia Pahang

26600 Pekan

Pahang Darul Makmur

Tel. : 09-424 5057

Fax : 09-424 5055

e-Mail : safriza@ump.edu.my