
[Vol. 184 June 2022: Associate Professor Dr. Norhayati designs simulator for COVID-19 pandemic stochastic modelling](#)



[Research](#)

[Associate Professor Dr. Norhayati designs simulator for COVID-19 pandemic s](#)

8 June 2022

PEKAN, 8 June 2022 – The COVID-19 pandemic recorded a sharp increase in the use of medical equipment in hospitals around the world and particularly in the Ministry of Health Malaysia.

[More Create Newsletter](#)

Editorial Team



PATRON

Professor Dato' Ts. Dr. Yuserrie
Zainuddin

EDITOR-IN-CHIEF

Abd Rahman Haji Safie

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 Zulkify Hamzah

PHOTOGRAPHER

Khairu Aidilnishah Rizan Jalil
Muhammad Naufal Samsudin

PUBLICATION ASSISTANT

Hafizatulazlin Abd Aziz

All rights reserved. No part of this publication may be reproduced, stored, transmitted or by any means, including but not limited to electronic, mechanical, photocopying, recording or by any information storage and retrieval system, without the prior agreement and written permission of the Editor. The Editor is not responsible for the contents contained in this publication do not represent the views of Universiti Malaysia Pahang. Universiti Malaysia Pahang is not responsible towards any losses experienced by any party as a result of non-performance based on information provided. The Editor is not responsible for images, colors, sizes, typography and layout. All rights reserved. For news, please forward to:

EDITOR

The Office of The Vice-Chancellor
Canseleri Tun Abdul Razak
Universiti Malaysia Pahang
26600 Pekan
Pahang Darul Makmur
Tel. : 09-431 5000
Fax : 09-431 5555
e-mail : enewsletter@ump.edu.my

www.ump.edu.my



UMP Malaysia

TEKNOLOGI
UNTUK
MASYARAKAT

5 STARS
QS RATES FOR EXCELLENCE

QS WORLD
RANKING

- 30 views

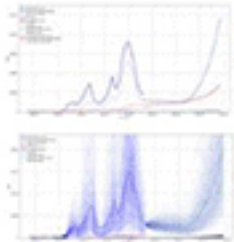
[View PDF](#)

Newsletter Image

Features

User can choose figure to be displayed

User can choose the model – no noise DSIRD or under uncontrolled factors SSIRD



From the data, information on the effectiveness of NPI for the country is displayed in form of Reproductive number under different mitigation strategies.

The average duration is displayed to help user plan the future implementation of NPI schedule.

Pandemic data and the fitted model

Prediction for future outbreak based on user input

Ranges of possible situation when noise are perturbed into the system

Real-time Reproductive number is calculated based on the fitted model and the user mitigation plan input

gms
and 1
sys