Vol. 184 June 2022: Associate Professor Dr. Norhayati designs simulator for COVID-19 pandemic stochastic modelling



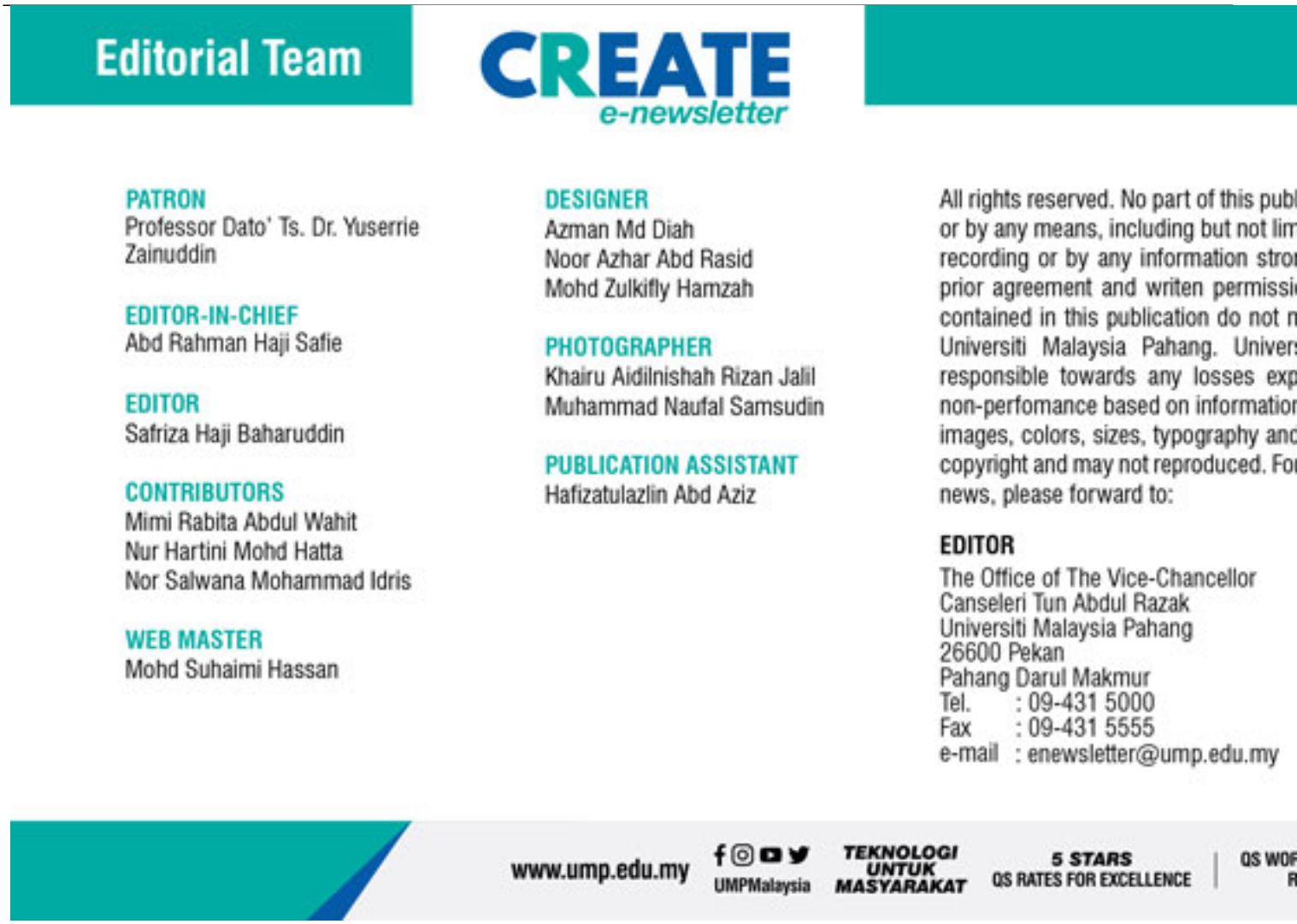
Research

Associate Professor Dr. Norhayati designs simulator for COVID-19 pandemic s

Wed, 06/08/2022 - 15:44

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

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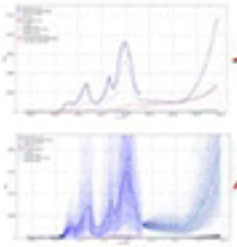
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Features

User can choose figure to be **displayed**

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

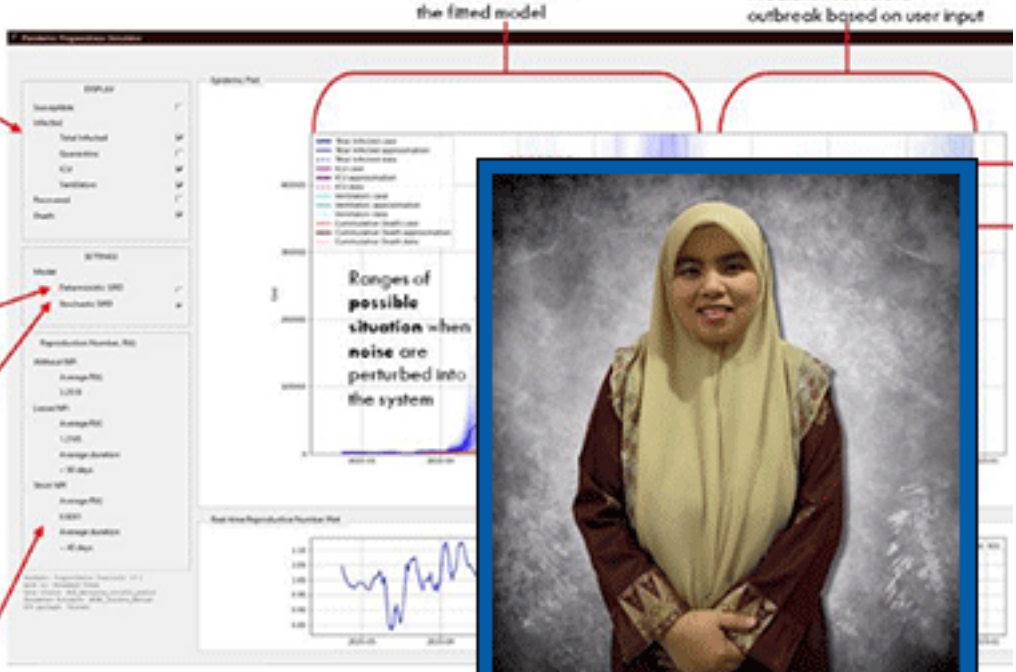


From the data, information on the **effectiveness of NPI** for the country is displayed in form of **Reproductive number** under **different mitigation strategies**.

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



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