THE TRANSMISSION DYNAMIC OF THE COVID **19 OUTBREAK: A PREDICTIVE DASHBOARD**



Copyright number with date LY2021W00276 11 February 2021

ITRex 2021

INVENTOR: MUHAMMAD FAHMI BIN AHMAD ZUBER CENTRE FOR MATHEMATICAL SCIENCES UNIVERSITI MALAYSIA PAHANG EMAIL:mfahmi.aor@gmai.com **CO-INVENTORS: ASSOC. PROF. DR. NORHAYATI BINTI ROSLI DR. NORYANTI MUHAMMAD**





Simulation the COVID 19 transmission based on the prior ed to provide the required info



PRODUCT DEVELOPMENT



TRL LEVEL – TRL 4 (Tehcnology Development)

Status of Finished Product - Ready to be used

APPLICABILITY

INSERT INFECTION RATE

- The product is relevant and important to country or specifically to any organization which can be used to manage and plan for future.
- The quality of the product is considered compatible and better from the existing dashboard, which could give prediction for future.

COPYRIGHT NO : LY2021W00276

academic sectors. If the outbreak is longer than expected and MCO need to be extended, actions to ensure the readiness of the academicians and students for virtual learning have to be taken.

Provide a better understanding to the society about the virus and get ready mentally and physically if the MCO needs to be extended and take longer time than expected.

Government/NGO could prepare early prevention to help the society in term of other social issues for example violence in household, child abuse, and others.



USEFULNESS

Help government/ company/ institution to plan prevention, set quideline, develop policies, create strategy more efficiently. Alternate MCO is the promising strategy under the unavailability of vaccine.

PUBLICATION: The Transmission Dynamic of the COVID 19 Outbreak Model: A Predictive Dashboard, Submitted to Bulletin of Mathematical Biology (ISI Journal)

www.ump.edu.my