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EVIDENCE OF RECOVERY FROM THE RESTRICTION MOVEMENT ORDER BY MANN KENDALL DURING THE COVID-19 PANDEMIC IN MALAYSIA

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Abstract
At the end of December 2019, China faced severe acute respiratory syndrome Coronavirus-2 (COVID-19) which caused a "very high" risk assessment ranking. Unfortunately, it has spread all over the world and has caused a great number of fatalities. In view of this, a study of the non-parametric statistical method was carried out with the aim of detecting and quantifying the outbreak of COVID-19. From the univariate analysis, daily cases had the highest mean value indicating widespread data from the outbreak of COVID-19 in Malaysia. However, the worst output in the future during the RMO must be prepared with the help of the Government of Malaysia's Ministry of Health due to the high standard deviation value recorded. In addition, the western coast of Malaysia has been reported to have the most in comparison with the other regions. The Mann-Kendal test shows a declining trend pattern for new cases during RMO3 compared to RMO1, RMO2 and RMO4, with a dramatic increase in the Covid-19 outbreak during RMO1. Overall, the results show downward trends following the implementation of the RMO. These results have shown that the Malaysian Government has implemented an effective strategy to combat the COVID-19 outbreak. © 2021. All Rights Reserved.

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Coronavirus; Mann-Kendall test; restricted movement order; trend analysis; univariate analysis
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