

**FORECASTING THE SPREAD OF COVID-19 IN EAST JAVA
PROVINCE USING THE ARIMA METHOD (AUTOREGRESSIVE
INTEGRATED MOVING AVERAGE)**

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ABSTRAK

Daftar Kasus Pneumonia misterius pada Desember 2019 pertama kali ditemukan di Wuhan, Provinsi Hubei, China. Laporan ini dikaitkan dengan pasar ikan di Wuhan. Kasus penyakit ini meningkat pesat sejak 31 Desember 2019 hingga 3 Januari 2020 dengan pelaporan 44 kasus yang awalnya hanya pasien saja di rawat dengan *Acute Respiratory Distress Syndrome* (ARDS). Setelah kurang dari satu bulan penyakit ini cepat sekali menyebar di berbagai provinsi di China, Thailand, Jepang, dan Korea Selatan. Penyakit dari pandemi tersebut disebut Coronavirus disease 2019 (COVID-19) di sebabkandi sebabkan dari yaitu coronavirus jenis baru atau disebut virus Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2).

Kata Kunci: Peramalan, Covid-19, pandemic, Jawa Timur, ARIMA

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ABSTRACT

The list of mysterious pneumonia cases in December 2019 was first discovered in Wuhan, Hubei Province, China. This report is linked to a fish market in Wuhan. Cases of this disease increased rapidly from December 31, 2019 to January 3, 2020 with 44 cases reported initially only patients being treated with Acute Respiratory Distress Syndrome (ARDS). After less than a month the disease quickly spread in various provinces in China, Thailand, Japan, and South Korea. The disease from the pandemic is called Coronavirus disease 2019 (COVID-19) caused by a new type of coronavirus or the Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2).

Keywords: Forecasting, Covid-19, pandemic, East Java, ARIMA