

INTISARI

DETEKSI COVID-19 PADA KUCING DOMESTIK DI WILAYAH YOGYAKARTA

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Covid-19 merupakan penyakit sangat menular yang disebabkan oleh Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). Berbagai spesies hewan ditemukan rentan terhadap infeksi SARS-CoV-2, salah satunya adalah kucing yang rentan dan memiliki kontak dekat dengan manusia. Deteksi Covid-19 pada kucing di wilayah Yogyakarta dilakukan menggunakan *rapid antigen test* untuk mengetahui keberadaan Covid-19 pada kucing di wilayah Yogyakarta.

Penelitian ini dilakukan dengan pengambilan swab nasofaring atau orofaring kucing terutama yang menunjukkan gejala klinis berupa gangguan pernafasan dan/atau gangguan pencernaan yang selanjutnya dilakukan pemeriksaan antigen terhadap infeksi Covid-19 menggunakan *rapid antigen kit* (NewLungene, Indonesia). Sampel kucing sebanyak 38 sampel didapatkan dari klinik hewan di wilayah Yogyakarta.

Hasil penelitian menunjukkan seluruh sampel kucing negatif terhadap Covid-19 walaupun sebagian kucing menunjukkan gejala klinis yang dapat menjadi indikasi Covid-19 seperti batuk, bersin, letargi, dan demam. Pencegahan seperti membatasi kontak antara manusia terinfeksi Covid-19 dengan kucing penting dilakukan untuk meminimalisir kemungkinan transmisi Covid-19 dari manusia ke kucing.

Kata Kunci: Covid-19, SARS-CoV-2, kucing, *rapid antigen test*



ABSTRACT

DETECTION OF COVID-19 IN DOMESTIC CATS IN YOGYAKARTA

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Covid-19 is a highly transmissible disease caused by Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). Various animal species were found to be susceptible to SARS-CoV-2 infection, one of which is cats which were found to be susceptible and in close contact with humans. Detection of Covid-19 in cats in Yogyakarta was carried out using a rapid antigen test to determine the presence of Covid-19 in cats in Yogyakarta.

This research was carried out by taking nasopharyngeal or oropharyngeal swab from cats, especially those showing clinical symptoms in the form of respiratory and/or digestive disorders, detection of the virus was done using a rapid antigen kit (NewLungene, Indonesia). A total of 38 cat samples were obtained from veterinary clinics around the Yogyakarta region.

The results showed that all cat samples were negative for Covid-19, although some cats showed clinical symptoms that could be an indication of Covid-19, such as coughing, sneezing, lethargy, and fever. Prevention, such as limiting contact between humans infected with Covid-19 and cats, is important to minimize the possibility of transmission of Covid-19 from humans to cats.

Keywords: Covid-19, SARS-CoV-2, cats, rapid antigen test