

HUBUNGAN PENGETAHUAN MENGENAI PATOFISIOLOGI COVID-19 DAN SIKAP TERHADAP PERILAKU PENGUNAAN MASKER KAIN SEBAGAI UPAYA PENCEGAHAN COVID-19 PADA MAHASISWA FAKULTAS KEDOKTERAN UPN VETERAN JAKARTA ANGKATAN 2017

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Abstrak

Coronavirus Disease (COVID-19) adalah penyakit menular yang disebabkan oleh *Severe Acute Respiratory Syndrome Coronavirus-2* (SARS-CoV-2). COVID-19 dapat dicegah dengan mengetahui patofisiologi COVID-19 sehingga dapat diharapkan membentuk sikap positif mahasiswa terhadap penggunaan masker kain. Tujuan penelitian ini adalah mengetahui hubungan pengetahuan mengenai patofisiologi COVID-19 dan sikap terhadap perilaku penggunaan masker kain sebagai upaya pencegahan COVID-19 pada mahasiswa Fakultas Kedokteran UPN Veteran Jakarta Angkatan 2017. Jenis penelitian ini adalah analitik observasional dengan metode penelitian *cross sectional* serta teknik penentuan sampel menggunakan *consecutive sampling*. Data dikumpulkan melalui kuesioner yang disebar secara online. Hasil penelitian dengan jumlah sampel sebanyak 75 orang menunjukkan sebanyak 70 orang (93,3%) mahasiswa memiliki pengetahuan mengenai patofisiologi COVID-19 baik, 65 orang (86,7%) mahasiswa memiliki sikap positif, dan sebanyak 68 orang (90,7%) mahasiswa memiliki perilaku penggunaan masker kain baik. Hasil analisis bivariat dengan *Fisher's Exact Test* menunjukkan bahwa terdapat hubungan antara pengetahuan mengenai patofisiologi COVID-19 ($p=0,000$) dan sikap mahasiswa ($p=0,046$) terhadap perilaku penggunaan masker kain sebagai upaya pencegahan COVID-19 pada mahasiswa Fakultas Kedokteran UPN Veteran Jakarta Angkatan 2017. Adanya pengetahuan tentang COVID-19 bahwa virus SARS-CoV-2 menginfeksi saluran napas manusia melalui ikatan antara protein virus dengan reseptor ACE-2 (*Angiotensin Converting Enzyme-2*) sel paru, dapat mendorong terbentuknya sikap positif mahasiswa menggunakan masker kain ketika keluar rumah, sebagai upaya pencegahan COVID-19.

Kata Kunci : COVID-19, Masker Kain, Patofisiologi, Pengetahuan, Perilaku, Sikap

**THE RELATIONS BETWEEN KNOWLEDGE ABOUT
PATHOPHYSIOLOGY OF COVID-19 AND ATTITUDE TOWARD
BEHAVIOR OF USE CLOTH MASKS AS A PREVENTION OF
COVID-19 ON FINAL YEAR STUDENTS OF FAKULTAS
KEDOKTERAN UPN VETERAN JAKARTA**

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Abstract

Coronavirus Disease (COVID-19) is an infectious disease caused by Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2). COVID-19 can be prevented by knowing about pathophysiology of COVID-19, so that it is expected to form a positive attitude toward wearing cloth masks. The purpose of this study is to determine the relationship between knowledge about the pathophysiology of COVID-19 and students' attitudes towards the behaviour of using cloth masks as a prevention of COVID-19 on final year students of Fakultas Kedokteran UPN Veteran Jakarta. This research was observational analytical research cross sectional with the consecutive sampling. The data were collected by online questionnaire. The total sample of 75 students showed that 70 students (93.3%) had good knowledge of the pathophysiology of COVID-19, 65 students (86.7%) had a positive attitude, and 68 students (90.7%) had the well behaviour of using cloth masks. The bivariate analysis with Fisher's Exact Test showed were relationship between knowledge of the pathophysiology of COVID-19 ($p=0,000$) and students' attitudes ($p=0.046$) towards the behaviour of using cloth masks as a prevention of COVID-19 on final year students of Fakultas Kedokteran UPN Veteran Jakarta. The knowledge about the pathophysiology of COVID-19 that the SARS-CoV-2 infected human airway through the bonding of virus protein with the ACE-2 (Angiotensin Converting Enzyme-2) receptor in lung cells, could encourage students' positive attitude of using cloth mask whenever go outside as a prevention of COVID-19.

Keywords: *Attitudes, Behaviour, Cloth Masks, COVID-19, Knowledge, Pathophysiology*