

ABSTRAK

Masalah Keperawatan Penggunaan *Angiotensin-Converting Enzyme Inhibitor* (ACEI) Pasien Hipertensi Dengan Covid-19 : *Literature Review*

Latar Belakang : Penggunaan *Angiotensin-Converting Enzyme Inhibitor* (ACEI) dapat meningkatkan enzim pengubah angiotensin (ACE2) sehingga memfasilitasi proses pengikatan virus corona ke sel epitel, ginjal, usus, paru-paru dan pembuluh darah sehingga mengakibatkan Covid-19 mudah masuk ke dalam tubuh serta dapat meningkatkan resiko pengembangan penyakit Covid-19 yang parah dan fatal yaitu dengan meningkatnya infeksi yang terjadi. Tujuan *literature review* ini adalah untuk menganalisis masalah keperawatan yang muncul dari penggunaan *Angiotensin-Converting Enzyme Inhibitor* (ACEI) pada pasien hipertensi dengan Covid-19. **Metode :** Telaah artikel ini menggunakan metode *literature review*. Penelusuran artikel menggunakan empat database dengan kualitas sedang (*PubMed, Science Direct, SINTA* dan *Google Scholar*). Artikel *full text* dan dipublikasikan dari tahun 2019-2020. **Hasil dan Analisis :** Hasil penelusuran ditemukan 11 artikel yang telah disesuaikan dengan kriteria untuk di *review*. Hasil review menunjukkan bahwa adanya masalah keperawatan yang muncul setelah penggunaan *Angiotensin-Converting Enzyme Inhibitor* (ACEI) Pasien Hipertensi Dengan Covid-19. **Diskusi dan Kesimpulan :** penggunaan *Angiotensin-Converting Enzyme Inhibitor* (ACEI) menimbulkan masalah keperawatan seperti Meningkatnya infeksi, perawatan intensif, pemenuhan kebutuhan oksigen, dan lama rawat inap.

Kata Kunci : *Angiotensin-Converting Enzyme Inhibitor* (ACEI), hipertensi, Covid-19

ABSTRACT

Nursing Problems Using Angiotensin-Converting Enzyme Inhibitor (ACEI) Hypertensive Patients With Covid-19: Literature Review

Background: *The use of Angiotensin-Converting Enzyme Inhibitor (ACEI) can increase the angiotensin-converting enzyme (ACE2) this facilitating the binding process of the corona virus to epithelial cells, kidneys, intestines, lungs and blood vessels so that Covid-19 can easily enter the body. and can increase the risk of developing severe and fatal Covid-19 disease, namely by increasing the number of infections that occur. The purpose of this literature review is to analyze nursing problems that arise from the use of Angiotensin-Converting Enzyme Inhibitors (ACEIs) in hypertensive patients with Covid-19. **Methods:** This article is reviewed using the literature review method. The article search used four medium quality databases (PubMed, Science Direct, SINTA and Google Scholar). Full text article and published from 2019-2020. **Results and Analysis:** The search results found 11 articles that have been adjusted to the criteria for review. The results of the review show that there are nursing problems that arise after the use of Angiotensin-Converting Enzyme Inhibitor (ACEI) in Hypertensive Patients with Covid-19. **Discussion and Conclusion:** the use of Angiotensin-Converting Enzyme Inhibitor (ACEI) causes nursing problems such as increased infection, intensive care, oxygen demand fulfillment, and length of hospitalization.*

Keywords: *Angiotensin-Converting Enzyme Inhibitor (ACEI), hypertension, Covid-19*