

ABSTRACT

EVALUATION OF ANTIHYPERTENSION DRUGS IN PROSPECTIVE RECIPIENTS OF THE COVID-19 VACCINE AT THE KLINIK SATBRIMOB POLDA JATIM

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Vaccination is one of the most effective ways to prevent diseases caused by viral infections such as Covid-19. When vaccination is screened, stating that comorbid hypertension can be vaccinated unless the blood pressure is above 180/110 mmHg. Treatment of hypertension aims to control morbidity, complications and death due to hypertension. This study aims to determine the effect of antihypertensive administration given by vaccinators at the Klinik Pratama Satbrimob Polda Jatim on reducing the blood pressure of potential recipients of the Covid-19 vaccine. This research was conducted in a retrospective observational way. Data was collected for 6 months, from December 2021 to May 2022. The research sample was data from the Covid-19 Vaccination Screening Form at the Klinik Pratama Satbrimob Polda Jatim. There were 172 potential recipients of the Covid-19 vaccine who met the inclusion criteria, namely samples that have and do not have comorbid hypertension with a blood pressure of more than 180/110 mmHg. The results of this study indicate that gender does not affect the risk of suffering from hypertension, but those in the age range less than 60 years have a chance of suffering from hypertension. Hypertension comorbidities in covid-19 vaccine recipients amounted to 99 people (57.56%) indicating that more than half of the sample was aware of having a history of hypertension. The results of blood pressure checks showed that 130 people (75.58%) out of 172 people experienced a decrease in blood pressure after being given antihypertensive drugs. Data on the use of antihypertensive drugs showed that captopril 12.5 mg was used by 64 people (37.21%) and amlodipine 10 mg was used by 86 people (50%), making these drugs the most widely given. The results of the T-test analysis showed that the antihypertensive drugs captopril 12.5 mg and amlodipine 10 mg effectively reduced high blood pressure for potential recipients of the Covid-19 vaccine.

Keyword: *Covid-19 Vaccine, Antihypertensive, Klinik Satbrimob Polda Jatim*