

**GAMBARAN HASIL PEMERIKSAAN SELEKSI DONOR PADA CALON
PENDONOR PEROKOK AKTIF DI UTD PMI GUNUNG KIDUL
PADA TAHUN 2022**

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INTISARI

Latar Belakang: Merokok mempunyai pengaruh besar terhadap kenaikan tekanan darah atau hipertensi. Selain zat karbon monoksida, asap rokok juga mengandung nikotin. Merokok mempunyai pengaruh besar terhadap kenaikan tekanan darah atau hipertensi dan peningkatan kadar hemoglobin. Peningkatan kadar hemoglobin pada perokok terjadi karena adanya reflek dari mekanisme kompensasi tubuh terhadap rendahnya kadar oksigen yang berkaitan dengan hemoglobin akibat digeser oleh kabron monoksida yang mempunyai afinitas terhadap hemoglobin yang lebih kuat dibandingkan dengan oksigen.

Tujuan Penelitian: Mengetahui Gambaran Hasil Pemeriksaan Seleksi Donor Pada Calon Pendonor Perokok Aktif di UTD PMI Gunung Kidul Tahun 2022.

Metode Penelitian: Desain penelitian deskriptif kuantitatif dengan pendekatan cross sectional dimana ingin mengetahui gambaran variabel yang diteliti pada periode pelaksanaan penelitian.

Hasil: Hasil seleksi pada calon pendonor perokok aktif di UTD PMI Gunung Kidul Tahun 2022 dengan hasil lolos seleksi donor sebanyak 88 orang (90%) dan tidak lolos seleksi donor sebanyak 10 orang (10%). Berdasarkan tekanan darah diketahui 1 (1%) dengan hipotensi dan 3 (3%) diketahui dengan hipertensi. Hasil berdasarkan pemeriksaan kadar hemoglobin ditemukan 8 (8%) dengan kadar Hb >17 gr/dl.

Kesimpulan: Calon pendonor perokok aktif di UTD PMI Gunung Kidul tahun 2022 yang dinyatakan lolos seleksi donor sebanyak 88% dan dinyatakan tidak lolos seleksi donor sebanyak 12%, dengan karakteristik calon pendonor sebagian besar memiliki berat badan >45 kg, tekanan darah normal, dan kadar Hb yang memenuhi kriteria yaitu antara 12,5-17 g/dl.

Kata Kunci: *Donor Darah, Perokok Aktif, Seleksi Donor*

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DESCRIPTION OF THE RESULTS OF DONOR SELECTION IN THE CANDIDATES ACTIVE SMOKING DONOR

AT UTD PMI GUNUNG KIDUL IN 2022

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ABSTRACT

Background: Smoking has a big influence on increasing blood pressure or hypertension. In addition to carbon monoxide, cigarette smoke also contains nicotine. Smoking has a major effect on increasing blood pressure or hypertension and increasing hemoglobin levels. The increase in hemoglobin levels in smokers occurs because of a reflex from the body's compensatory mechanism for low oxygen levels related to hemoglobin due to being shifted by carbon monoxide which has a stronger affinity for hemoglobin than oxygen.

Methods: Descriptive quantitative research design with a cross-sectional approach where you want to know the description of the variables studied in the period of research implementation.

Results: The results of the selection of prospective active smokers at UTD PMI Gunung Kidul in 2022 with the results of passing the donor selection as many as 88 people (90%) and 10 people not passing the donor selection (10%). Based on blood pressure, 1 (1%) was known to have hypotension and 3 (3%) was known to have hypertension. The results based on the examination of hemoglobin levels were found to be 8 (8%) with Hb levels >17 g/dl

Conclusion: Prospective active smoker donors at UTD PMI Gunung Kidul in 2022 who passed the donor selection as many as 88% and 12% were declared not to have passed the donor selection, with the characteristics of prospective donors mostly having weight >45 kg, normal blood pressure, and high blood pressure levels. Hb that meets the criteria is between 12.5-17 g/dl.

Keywords: Blood Donation, Active Smoker, Donor Selection

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