

PEMERIKSAAN DARAH RUTIN PADA PENGGUNA ROKOK ELEKTRONIK DI SURAKARTA

(BLOOD EXAMINATION ROUTINE OF ELECTRIC CIGARETTE USERS IN SURAKARTA)

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INTISARI

Rokok elektronik adalah inhaler berbasis baterai yang mengandung nikotin, air dan perasa. Nikotin dapat diserap dari jalan napas, rongga mulut dan kulit. Metabolisme nikotin terutama di hati dan dapat juga dimetabolisme di paru dan ginjal. Nikotin yang masuk per-oral akan diabsorpsi sedikit di lambung karena sifatnya sebagai basa kuat, namun absorpsi di usus cukup untuk menyebabkan keracunan. Nikotin yang diinhalasi dimetabolisme di paru dan dapat mencapai otak hanya dalam waktu 6 detik.

Pemeriksaan ini dilakukan terhadap 30 orang pengguna rokok elektrik di Surakarta. Waktu penelitian dilakukan pada tanggal 27 Maret dan 31 Maret 2018 dilakukan di Laboratorium Puskesmas Banyuanyar. Pemeriksaan darah rutin dengan metode *Hematology Analyzer*.

Hasil pemeriksaan menunjukkan bahwa kadar hemoglobin didapatkan nilai normal 93,33 % (28 orang), kurang dari normal 6,67 % (2 orang). Pemeriksaan Hematokrit didapat nilai normal 93,33 % (28 orang), kurang dari normal 6,67 % (2 orang). Pemeriksaan RBC didapatkan nilai normal 100 % (30 orang). Pada pemeriksaan WBC didapatkan nilai normal 93,33 % (28 orang), kurang dari normal 6,67 % (2 orang) dan pemeriksaan trombosit didapat nilai normal 100 % (30 orang).

Kata kunci: Hematologi, Darah rutin, Rokok elektrik.

ABSTRAK

E-cigarettes are the least you know based on the batteries that contain nicotine, water and flavor. The nicotine can be absorbed from the airway, the oral cavity and skin. Metabolism of nicotine, especially in the liver and can also in metabolism in the lung and kidney. The nicotine that in an oral will absorb a little in the stomach because it is as a strong, but to absorb in the gut enough to cause poisoning. The nicotine that inhaled in metabolism in the lung and can reach the brain in just six second.

Inspection is conducted on 30 people users of electronic in Surakarta. The study was conducted on March 27 and March 31, 2018 in the Puskesmas Banyuanyar. Blood tests routine with the method of Hematology Analyzer.

The examination showed that levels of hemoglobin to a normal value of 93,33% (28 people), less than normal 6,67% (2 people). Hematokrit was a normal value of of 93,33% (28 people), less than normal 6,67% (2 people). RBC get a normal value of 100% (30 people). During the WBC a normal value of 93,33% (28 people), less than normal 6,67% (2 people) and the platelets were a normal value of 100% (30 people).

Keywords: Hematology, Blood Routine, Elektrik Cigarette.