

## INTISARI

### HUBUNGAN KADAR HAEMOGLOBIN DARAH DENGAN SpO<sub>2</sub> PADA PASIEN ANEMIA DI RSUD dr SOERATNO GEMOLONG KABUPATEN SRAGEN

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**Latar Belakang :** Komposisi darah manusia terdiri dari sel darah dan cairan, dimana volume darah kurang lebih 7-8% berat badan. Prioritas penanganan kasus anemia biasanya dititik beratkan pada pemberian transfusi, tetapi kurang memperhatikan pada langkah awal terdistribusinya O<sub>2</sub> ke jaringan perifer. Deteksi awal akan kecukupan O<sub>2</sub> sampai dengan perifer akan membantu dalam prognosa penyakit penyerta seperti decompensasio cordis. Pada kasus anemia kronis yang tidak segera tertangani dari gambaran foto rongent terlihat pembesaran jantung.

**Tujuan Penelitian :** Mengetahui hubungan antara kadar hemoglobin dalam darah dengan SpO<sub>2</sub> pasien anemia di RSUD dr Soeratno Gemolong Kabupaten Sragen Tahun 2018

**Metode Penelitian :** Jenis penelitian analitik dengan pendekatan *cross sectional* dengan variabel dalam penelitian ini adalah kadar haemoglobin dan SpO<sub>2</sub>. Pengambilan sampel menggunakan tehnik *Purposive Sampling*. Uji statistik yang digunakan adalah *pearson product moment*

**Hasil Penelitian :** Hasil pengukuran SpO<sub>2</sub> responden masuk kategori normal sebesar 88,6% dan kategori hipoksia ringan sebesar 11,4%. Responden yang mengalami anemia ringan sebesar 34,1% anaemia sedang 52,3% dan kategori anemia berat sebesar 13,6%. Hasil analisa analitik menggunakan uji *pearson product moment* diperoleh hasil nilai  $p=0,000$

**Kesimpulan :** Ada hubungan yang significant antara kadar haemoglobin dengan SpO<sub>2</sub> pada pasien anemia di RSUD dr Soeratno Gemolong Kabupaten Sragen

**Kata Kunci :** Haemoglobin, SpO<sub>2</sub>, Anemia

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## ABSTRACT

### THE CORRELATION OF BLOOD HAEMOGLOBIN RATE WITH SPO<sub>2</sub> IN ANEMIA PATIENTS AT RSUD DR. SOERATNO GEMOLONG SRAGEN DISTRICT

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**Background:** The composition of human blood consists of blood cells and fluids. The blood volume is approximately 7-8% of body weight. The Priority management of anemia cases usually focuses on giving transfusions, but does not regard to the initial steps of O<sub>2</sub> distribution to the peripheral tissue. The early sufficiency detection of O<sub>2</sub> to peripheral will help in the prognosis of concomitant diseases such as decompensatio cordis. In cases of chronic anemia that are not treated immediately, an enlarged heart can be seen from the picture of x-ray.

**Objective:** To find out the correlation of hemoglobin rate in the blood and SpO<sub>2</sub> of anemic patients at RSUD Dr. Soeratro Gemolong Sragen.

**Method:** This research belongs to analytic study with a cross sectional approach. The variables were hemoglobin and SpO<sub>2</sub> rate. Sampling technique used Purposive Sampling technique. The statistical test used Pearson product moment.

**Results:** The results of SpO<sub>2</sub> measurement from respondents were in the normal category at 88.6% and the low hypoxia category at 11.4%. Respondents who experienced slightly anemia were 34.1%, modest anemia were 52.3% and chronic anemia category were 13.6%. Analytical analysis results using Pearson product moment test results obtained p = 0,000.

**Conclusion:** There is a significant correlation between hemoglobin rate and SpO<sub>2</sub> in anemic patients in RSUD Dr. Soeratro Gemolong Sragen.

**Keywords:** Hemoglobin, SpO<sub>2</sub>, Anemia.

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