

INTISARI

FATIMAH, NOURUL. 2013, PERBANDINGAN WAKTU INKUBASI TERHADAP HASIL PEMERIKSAAN KADAR HEMOGLOBIN DENGAN METODE SIANMETHEMOGLOBIN DI PUSKESMAS KARANGDOWO KABUPATEN KLATEN, SKRIPSI, FAKULTAS ILMU KESEHATAN, UNIVERSITAS SETIA BUDI, SURAKARTA. PEMBIMBING UTAMA : Dr. B. Rina A. Sidharta,Sp.PK-K; PEMBIMBING PENDAMPING : Dr. Ratna Herawati

Pemeriksaan kadar hemoglobin merupakan pemeriksaan terpenting dalam laboratorium klinik. *International Committe for Standardization in Hematologi* (ICSH) menganjurkan pemeriksaan kadar hemoglobin menggunakan cara sianmethemoglobin dengan prinsip kerja menggunakan waktu inkubasi 3 menit.

Penelitian ini bertujuan mengetahui perbedaan waktu inkubasi terhadap pemeriksaan kadar hemoglobin dengan metode sianmethemoglobin. Penelitian ini termasuk jenis penelitian *cross sectional*. Penelitian dilaksanakan di Puskesmas Karangdowo kabupaten Klaten. Sumber data adalah pasien rawat jalan yang memeriksakan diri di laboratorium sebanyak 34 sampel. Teknik analisis data menggunakan *Independent Sample T Test*, yaitu membandingkan rata-rata dari dua grup yang tidak berhubungan satu dengan yang lain.

Hasil analisis diperoleh bahwa : 1) Terdapat perbedaan yang bermakna kadar hemoglobin antara waktu inkubasi 0 menit dan 3 menit ($p < 0.05$); 2) Tidak terdapat perbedaan yang bermakna kadar hemoglobin antara waktu inkubasi 3 menit dan 5 menit ($p > 0.05$); 3) Tidak terdapat perbedaan yang bermakna kadar hemoglobin antara waktu inkubasi 3 menit dan 15 menit ($p > 0.05$). Nilai rata-rata kadar hemoglobin pada waktu inkubasi 3 menit (11.3 g/dl) identik dengan kadar hemoglobin pada waktu inkubasi 15 menit (11.2 g/dl).

Kata kunci : Kadar hemoglobin, Metode Sianmethemoglobin, Waktu inkubasi.

ABSTRACT

FATIMAH, NOURUL. 2013. COMPARISON OF INCUBATION TIME ON HEMOGLOBIN LEVEL EXAMINATION RESULTS BY CYANMETHEMOGLOBIN IN PUSKESMAS KARANGDOWO KLATEN, , FACULTY OF HEALTH SCIENCES, SETIA BUDI, SURAKARTA. MAIN COUNSELOR: Dr. B. Rina A. Sidhartha, Sp.PK-K; ASSISTANT COUNSELOR: Dr. Ratna Herawati.

Examination of hemoglobin level is the most important examinations in clinical laboratories. International Committee for Standardization in Hematology (ICSH) recommends checking hemoglobin levels using cyanmethemoglobin method with working principle of a 3-minute incubation time.

This study was aimed to find out the differences in the incubation time of hemoglobin levels examination by cyanmethemoglobin method. This study is a cross sectional study. The study was carried out in puskesmas Karangdowo Klaten district. Data sources were 34 samples of out patient who checked up in laboratory. Data analysis techniques used Independent Sample T Test, i.e. comparing the average of the two groups that not related to each other.

Results of the analysis found that: 1) There was significant difference in hemoglobin levels between 0-minute and 3-minute incubation time ($p < 0.05$); 2) There was no significant difference in hemoglobin levels between 3- minute and 5 minute incubation time ($p > 0.05$); 3) There was no significant difference in hemoglobin levels between 3-minute and 15-minute incubation time ($p > 0.05$).

Keywords: hemoglobin level, cyanmethemoglobin method, incubation time.