

**PEMERIKSAAN KADAR ALBUMIN SERUM PADA PENDERITA
HIPERTENSI LANJUT USIA DI PANTI WREDHA DHARMA BHAKTI
KASIH SURAKARTA**

**(SERUM ALBUMIN LEVELS EXAMINATION OF ELDERLY WITH HYPERTENSION IN DHARMA BHAKTI
KASIH NURSING HOME SURAKARTA)**

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INTISARI

Hipertensi didefinisikan sebagai peningkatan tekanan darah melebihi batas normal yaitu sama atau melebihi 140/90 mmHg. Hipertensi pada lanjut usia sering tidak terkontrol. Hipertensi yang tidak terkontrol dengan baik akan menyebabkan kelainan pada fungsi ginjal karena tekanan yang tinggi secara terus-menerus menimbulkan kerusakan progresif pada glomerulus sehingga menyebabkan protein keluar melalui urin. Peningkatan pengeluaran protein albumin melalui urin pada hipertensi dapat menyebabkan penurunan kadar albumin serum atau hypoalbuminemia.

Karya Tulis Ilmiah ini disusun berdasarkan hasil pemeriksaan kadar albumin yang dilakukan di Laboratorium Universitas Setia Budi Surakarta terhadap 30 sampel darah Hipertensi lanjut usia di Panti Wredha Dharma Bhakti Kasih Surakarta dan ditunjang oleh pustaka yang telah dipublikasikan. Pemeriksaan kadar albumin serum menggunakan metode Tes Fotometrik menggunakan *Bromocresol green*.

Hasil pemeriksaan kadar albumin serum pada 30 sampel darah lanjut usia hipertensi dapat disimpulkan bahwa 19 sampel (63,3%) mengalami penurunan kadar albumin dan 11 sampel (36,7%) normal.

Kata Kunci : Kadar Albumin, Lanjut Usia, Hipertensi

ABSTRACT

Hypertension is defined as a repeatedly elevated blood pressure exceeding 140/90 mmHg. Hypertension in the elderly is often uncontrolled. Uncontrolled hypertension will lead to abnormal kidneys function as the force of blood flow is continually high. This condition causes progressive damage of glomerulus leading protein in the blood pass the urine. The release of large amounts of protein albumin into the urine in hypertension causes the low serum albumin level or hypoalbuminemia.

This scientific paper is compiled based on the result of albumin level examination conducted in Setia Budi University's Laboratory to 30 samples of blood taken from elderly with hypertension in Dharma Bhakti Kasih Nursing Home Surakarta and supported by qualified sources that has been published. Serum albumin level in examination was conducted with photometric Test using *bromocresol green* Method

The result of serum albumin level examination in 30 samples of blood taken from elderly with hypertension indicated that 19 samples (63,3%) developed low albumin level and 11 samples (36,7%) were normal.

Key Words : Albumin Levels, Elderly, Hypertension