

Kadar Nitrat Okside Pada Ibu Hamil Trimester III Dengan Hipertensi Gestasional

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Abstract

Nitric Oxide is an essential amino acid L-arginine in vascular endothelial cells and mediates relaxation of smooth muscle which causes vaso constriction of capillary vessels, that causes increasing blood pressure and becoming hypertension. This study aims to determine whether the value of Nitric Oxide levels in hypertension pregnant women is lower or higher than pregnant women without hypertension. The study was conducted at RSIA St. Fatimah Makassar, Jompang Baru Health Center and Antang Perumnas Health Center, with the research method using a purposive sampling technique in accordance with the inclusion criteria of trimigravida pregnant women, third trimester pregnant women, diagnosed with gestational hypertension based on the results of the examination and medical record, willing to be a respondent and sign an informed consent. The results showed that the Nitric Oxide level in gestasional hypertension pregnant women (13.31 ng/ml) was higher than the Nitric Oxide level of pregnant women without gestational hypertension (11.88 ng/ml) and then Mann Whitney test was performed $p = 0.787$ ($p \geq 0.05$).

Kata Kunci: Kadar, Nitrat Okside, Ibu Hamil, Trimester III, Hipertensi Gestasional