

KUMPULAN ABSTRAK

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THE CORRELATION BETWEEN INTERFERON GAMMA SERUM LEVEL AND SEVERITY OF PSORIASIS VULGARIS

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ABSTRACT

Interferon gamma (IFN)- γ is an inflammatory mediator which plays an important role in psoriasis vulgaris. Previous studies showed correlation between increased IFN- γ level and the severity of psoriasis vulgaris. However, no study regarding IFN- γ and psoriasis vulgaris had been reported in Indonesia. The aim of this study was to find out about the correlation of IFN- γ serum level and the severity of psoriasis vulgaris. The subjects of this study were patients with psoriasis vulgaris and patients without psoriasis vulgaris aged 16-65 years old who came to Dermatovenereology Outpatient Center at Sanglah General Hospital during the period October-December 2017 and fulfilled the inclusion and exclusion criteria. The study involved 70 subjects containing 42 psoriasis patients and 28 non-psoriasis patients as the control group. The result of this study showed majority of psoriasis patient were male (30 people; 71.43%) aged 29.6 years old on average. Mean level of IFN- γ serum was higher in psoriasis group (4.31 ± 4.95) compared to non-psoriasis group (2.53 ± 1.48) with p value < 0.05 . This study revealed that increase of IFN- γ serum level is a risk factor of psoriasis vulgaris (OR=2.48, CI 95%; 1.96-7.07; $p < 0.05$) and the increase of IFN- γ has a positive correlation with the degree of severity in psoriasis vulgaris ($R^2 = 0.0064$).

Keywords: interferon gamma, PASI score, psoriasis vulgaris