

PERBEDAAN ANTARA KADAR IgM anti PGL-1, ASUPAN PROTEIN, VITAMIN C, SENG PENDERITA KUSTA STADIUM SUBKLINIK YANG TINGGAL DI RUMAH DAN DI PANTI ASUHAN (STUDI DI KOTA SEMARANG DAN PANTI ASUHAN HIDAYATUS SOLIKHIN).

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Kadar imono globulin M anti Phenolic Glikolipid-1 dalam darah dipengaruhi oleh faktor lama kontak, antibodi, daya tahan tubuh dan genetik, serta tempat tinggal. Asupan protein, vitamin c dan seng yang kurang akan mengganggu sistem imun tubuh sehingga dapat dengan mudah terserang Mycobacterium leprae. Keadaan panti asuhan yang serba terbatas seperti keadaan tempat tinggal, sosial ekonomi yang kurang dandihuni banyak orang, membuat peneliti menduga adanya perbedaan kadar IgM anti PGL-1, asupan protein vitamin c, seng di panti dengan di rumah. Tujuan penelitian ini adalah mengetahui perbedaan antara kadar IgM anti PGL-1, asupan protein, vitamin c, seng penderita kusta stadium subklinis yang tinggal di rumah dan di panti asuhan. Jenis penelitian yang digunakan adalah explanatory research dengan pendekatan cross sectional. Pengambilan data dilakukan dengan wawancara menggunakan form recall 24 jam. Kadar IgM anti PGL-1 penderita KSS di rumah diketahui dari catatan Medik RS Tugurejo, sedangkan panti dari hasil pemeriksaan laboratorium Tropical Disease Centre Unair Surabaya. Populasi dalam penelitian ini adalah 51 penderita KSS yang tinggal di panti asuhan Hidayatus Solikin dan 52 penderita KSS yang tinggal di panti asuhan Hidayatus Solikhin dan 52 penderita KSS yang tinggal di rumah di wilayah kota Semarang. Sampel diambil dengan teknik random sampling. jumlah sampel di panti 31 responden, di rumah 30 responden. Analisis data menggunakan Mann Whitney test karena data distribusinya tidak normal. Hasil penelitian menunjukkan adanya perbedaan yang bermakna antara kadar IgM anti PGL-1 dan asupan protein, seng, vitamin c penderita KSS di panti dengan di rumah. Perbedaan kadar IgM anti PGL-1 ( $p=0,005$ ), asupan protein ( $p=0,023$ ), asupan seng ( $p=0,015$ ), asupan vitamin c ( $p=0,000$ ). Berdasarkan hasil penelitian dapat disimpulkan bahwa kadar IgM anti PGL-1 di panti lebih tinggi dari non panti. Saran bagi pengelola panti adalah meningkatkan konsumsi protein, vitamin c dan seng penderita KSS agar tidak bermanifestasi menjadi klinis.

**Kata Kunci:** Penderita kusta stadium subklinis, protein, vitamin C, Seng, asupan kadar IgM anti PGL-1

*THE DIFFERENCE OF THE DEGREE OF IGM ANTI PGL-1 AND INTAKE PROTEIN, VITAMIN C, ZINC OF THE SUBCLINICAL LEPROSY PATIENTS WHO LIVE AT HOUSE WITH AT ORPHANAGE.*

*The degree of Immuno globulin M anti Phenolic Glikolipid-1 on the blood is influenced by how long of contact factor, antibody, the body immunity and genetic factor, and place to live. the low intake protein, vitamin C and seng disturbs the body immune system which then can cause infection M. Leprae. Situation of the orphanage that like the situation of*

*house and environment, the deliliciency of sosial economy and occupied by a lot of people guess that there are many differences between the degree of IgM anti PGL-I and in take nutrient of the orphanage and of the house. The objective of this study is to know the defferences of the degree of IgM anti PGL-I and intake protein, vitamin C, Zink of the subclinic stadium leprosy patients who live at house with at orphanage. The kind of this research is explanatory research with cross sectional approach. The taking of data was conducted by interview recall 24 ours with form. To know the degree of IgM anti PGL-I KSS patients at house from CM RS Tugurejo, while at panty with ELISA test in Laboratorium TDC Unair Surabaya. The Population of this research was 51 KSS patients that live at orphanage HS and 52 KSS patients that live at house at Semarang city region. The sample be taken with random sampling. The amount of sample who live at orphanage are 31 respondences and 30 respondences at house. Data analysis using statistical test*

*Keyword : Subclinical leprosy patient (KSS), Protein, Vitamin C, Zink, Intake, The degree of IgM anti PGL-I.*

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