

## INTISARI

*Short Form-6 Dimension (SF-6D)* merupakan salah satu instrumen pengukur utilitas yang digunakan pada populasi umum ataupun khusus, seperti pada populasi PGK. Apabila memenuhi syarat properti psikometri (valid dan reliabel), instrumen tersebut dikatakan dapat mengukur utilitas dengan baik. Penelitian ini bertujuan untuk mengetahui properti psikometri instrumen SF-6D dan nilai utilitas pasien PGK yang menjalani hemodialisis yang diukur menggunakan instrumen SF-6D.

Penelitian ini menggunakan data sekunder yang diambil oleh Andayani dan tim peneliti tahun 2019 pada populasi PGK di RSA UGM dan RSUP Dr. Sardjito dengan jumlah subyek sebanyak 103 orang. Pada penelitian ini dilakukan penilaian utilitas dan properti psikometri instrumen SF-6D. Properti psikometri yang dinilai meliputi *known-group validity* (dianalisis menggunakan *Mann Whitney* dan *Kruskal-Wallis*), *convergent validity* (dianalisis menggunakan *Spearman's Correlation* dengan pembandingan EQ-5D-5L), *internal-construct validity* (dianalisis menggunakan *Spearman's Correlation*), *agreement* (dianalisis menggunakan *Bland-Altman Plot* dan ICC), *internal consistency reliability* (dianalisis menggunakan *Cronbach's Alpha*), serta *ceiling effect* (dianalisis persentase status kesehatan sempurna).

Hasil uji *known-group validity* menunjukkan bahwa instrumen SF-6D dapat membedakan pengaruh status pekerjaan, tingkat penghasilan, komorbid DM, dan kadar Hb terhadap rata-rata utilitas. *Convergent validity* menunjukkan adanya korelasi kuat ( $>0,75$ ) pada dimensi rasa sakit SF-6D dengan rasa nyeri EQ-5D-5L (0,906). *Internal-construct validity* menunjukkan korelasi yang baik antara dimensi kesehatan mental dengan vitalitas (0,736). *Agreement* menunjukkan hasil kurang baik pada *Bland-Altman Plot* (91,26%), sedangkan berdasarkan nilai ICC memiliki reliabilitas sedang (0,587). *Internal consistency reliability* menunjukkan hasil dapat diterima, dengan nilai *Cronbach's alpha* sebesar 0,726. Dalam penelitian ini tidak terdapat *ceiling effect* pada instrumen SF-6D (1%). Dapat disimpulkan bahwa properti psikometri SF-6D pada pasien PGK baik, dengan nilai rata-rata utilitas sebesar  $0,764 \pm 0,137$ .

Kata Kunci : SF-6D, utilitas, properti psikometri, hemodialisis

## **ABSTRACT**

*Short Form-6 Dimension (SF-6D) is an instrument for measuring utility that can be used in general or specific populations, such as the population with CKD. If it meets the requirements of psychometric properties (valid and reliable), the instrument of utility measurement indicates good utility. This study aims to determine the psychometric properties of the SF-6D instrument and the utility value of CKD patients undergoing hemodialysis that were measured by the SF-6D instrument.*

*This study uses secondary data from Andayani and her research team in 2019 on hemodialysis patients at UGM Academic Hospital and Dr. Sardjito Public Hospital, with a total of subjects, are 103 people. In this research, the utility and psychometric properties of the SF-6D instrument were assessed. Psychometric properties assessed known-group validity (analyzed using Mann Whitney and Kruskal-Wallis), convergent validity (analyzed using Spearman's Correlation with comparison EQ-5D-5L), internal-construct validity (analyzed using Spearman's Correlation), agreement (analyzed using Bland-Altman Plot and ICC), internal consistency reliability (analyzed using Cronbach's Alpha), and the ceiling effect (analyzed on the percentage of perfect health status).*

*The result of the known-group validity test depicted that the SF-6D instrument can distinguish the effect of employment status, income level, comorbid DM, and Hb level on average utility. Convergent validity showed a strong correlation ( $>0.75$ ) on the SF-6D pain dimension with EQ-5D-5L pain (0.906). Internal-construct validity illustrated a good correlation between the dimensions of mental health and vitality (0.736). Agreement informed poor results on the Bland-Altman Plot (91.26%), while based on the ICC value it has moderate reliability (0.587). Internal consistency reliability illustrated acceptable results, with Cronbach's alpha value of 0.726. In this research, there was no ceiling effect on the SF-6D instrument (1%). It can be concluded that the psychometric properties of SF-6D in hemodialysis patients were good, with an average utility value of  $0.764 \pm 0.137$ .*

**Keywords:** *SF-6D, utility, psychometric properties, hemodialysis*