

INTISARI

The Health Utilities Index Mark 3 (HUI3) adalah kuesioner alternatif pengukur *utility* selain EQ-5D-5L. Kuesioner pengukur *utility* hendaknya memenuhi properti psikometri, yaitu valid dan reliabel. Penelitian ini bertujuan mengetahui properti psikometri kuesioner HUI3 sebagai alat ukur *utility* pada populasi umum di Kota Yogyakarta.

Penelitian ini merupakan penelitian observasional dengan pendekatan *cross-sectional*. Pengumpulan data menggunakan teknik *convenience sampling*. Nilai *utility* diukur menggunakan kuesioner HUI3 dan EQ-5D-5L. Data diperoleh melalui pengisian lembar informasi responden, kuesioner HUI3, dan kuesioner EQ-5D-5L. Properti psikometri kuesioner HUI3 yang diukur adalah *convergent validity*, *known-group validity*, *internal-construct validity*, *test-retest reliability*, *internal consistency reliability*, *agreement*, dan *ceiling effect*. *Convergent validity*, *internal-construct validity*, dan *test-retest reliability* dianalisis dengan *Spearman's correlation*. *Known-group validity* dianalisis dengan Mann Whitney dan Kruskal Wallis. *Internal consistency reliability* dianalisis dengan *Cronbach's alpha*. *Agreement* dianalisis dengan *Bland-Altman Plot* dan ICC. *Ceiling effect* dianalisis dengan persentase status kesehatan sempurna.

Hasil penelitian terhadap 200 responden adalah kuesioner HUI3 memiliki properti psikometri yang baik dalam mengukur *utility* pada populasi umum di Kota Yogyakarta. HUI3 menghasilkan korelasi yang baik pada *convergent validity* dan *test-retest reliability* ($r=0,880$). *Internal-construct validity* menunjukkan independensi antar-item yang baik. *Known-group validity* kuesioner HUI3 menghasilkan perbedaan signifikan dalam mengukur *utility* kelompok yang berbeda. *Internal consistency reliability* HUI3 menunjukkan reliabilitas yang cukup baik dengan *Cronbach's alpha* sebesar 0,54. *Agreement* kuesioner HUI3 kurang baik dengan *Bland-Altman Plot*. Namun, memiliki reliabilitas sedang dengan nilai ICC sebesar 0,739. Tidak terdapat *ceiling effect* pada penelitian ini. Disimpulkan bahwa properti psikometri HUI3 pada populasi umum di Kota Yogyakarta baik dengan rata-rata *utility* sebesar 0,832.

Kata Kunci: HUI3, properti psikometri, populasi umum, Kota Yogyakarta

ABSTRACT

The Health Utilities Index Mark 3 (HUI3) is an alternative questionnaire measuring utility other than EQ-5D-5L. The utility measuring questionnaire should fulfill the psychometric properties, which are valid and reliable.. This study aims to determine the psychometric properties of the HUI3 questionnaire as a measure of utility in the general population in Yogyakarta City

This research was an observational study with a cross-sectional approach. Data collection using convenience sampling techniques. Utility value was measured by HUI3 and EQ-5D-5L questionnaires. Data obtained through filling in the respondent information sheet, HUI3 questionnaire, and EQ-5D-5L questionnaire. The psychometric properties of the HUI3 questionnaire measured were convergent validity, known group validity, internal-construct validity, test-retest reliability, internal consistency reliability, agreement, and ceiling effect. Convergent validity, internal-construct validity, and test-retest reliability were analyzed by Spearman's correlation. Known-group validity was analyzed by Mann Whitney and Kruskal Wallis. Internal consistency reliability was analyzed by Cronbach's alpha. The agreement was analyzed by the Bland-Altman Plot and the ICC. The ceiling effect is analyzed by percentage of perfect health status.

The results of the study of 200 respondents were the HUI3 questionnaire had a good psychometric properties in measuring utility in the general population in Yogyakarta City. HUI3 yields good results on convergent validity and test-retest reliability ($r = 0.880$). Internal-construct validity shows good inter-item independence. Known groups of HUI3 validity produce significant differences in measuring the utility of different groups. Internal consistency reliability of the HUI3 showed quite good reliability with Cronbach's alpha of 0.54. The HUI3 questionnaire agreement was not good with Bland-Altman Plot. However, it has moderate reliability with an ICC value of 0.739. There was no ceiling effect in this study. It was concluded that the psychometric property of HUI3 in the general population in Yogyakarta City is good with an average utility of 0.832

Keywords: HUI3, psychometric properties, general population, Yogyakarta City