

## INTISARI

Kuesioner HUI3 adalah salah satu instrumen yang dapat digunakan untuk mengukur utilitas. Penelitian ini bertujuan untuk menganalisis validitas dan reliabilitas kuesioner HUI3 untuk mengukur utilitas serta mengetahui gambaran utilitas populasi umum di Kabupaten Bantul.

Penelitian ini merupakan penelitian observasional dengan pendekatan *cross-sectional*. Subjek penelitian adalah populasi umum di Kabupaten Bantul. Digunakan kuesioner HUI3 dan EQ-5D-5L untuk mengukur kualitas hidup responden yang selanjutnya dikonversi menjadi nilai indeks utilitas. Validitas yang diukur meliputi *internal construct validity* dan validitas konvergen yang dianalisis dengan uji statistik Spearman's *correlation* serta *known-group validity* dengan Kruskal-Wallis atau Mann-Whitney. Reliabilitas yang diuji meliputi *agreement* yang dianalisis dengan mencari nilai ICC dan *Bland-Altman plot* serta *internal consistency* dengan uji statistik *Chronbach's alpha*. Diukur *ceiling effect* dengan menghitung persentase responden yang menjawab status kesehatan sempurna.

Hasil dari penelitian yang telah dilakukan terhadap 156 responden adalah validitas HUI3 baik untuk mengukur utilitas populasi umum di Kabupaten Bantul, dengan *internal construct validity* yang cukup baik ( $r = 0,289$ ) dan validitas konvergen yang baik karena terdapat korelasi yang kuat antara beberapa atribut/domain ( $r = 0,25 - 0,83$ ). HUI3 dapat membedakan utilitas secara signifikan ( $p < 0,05$ ) berdasarkan kelompok usia dan riwayat penyakit dengan beberapa atribut yang dipengaruhi secara signifikan. Diperoleh nilai ICC (0,516), plot dalam rentang *limits of agreement* (93,59%), dan *Cronbach's alpha* (0,495) di bawah standar yang menunjukkan bahwa reliabilitas HUI3 cukup rendah untuk mengukur utilitas populasi umum di Kabupaten Bantul. Diperoleh *ceiling effect* HUI3 (25%) lebih rendah daripada EQ-5D-5L. Rata-rata utilitas populasi umum di Kabupaten Bantul yang diukur menggunakan kuesioner HUI3 (0,888) lebih rendah dibanding EQ-5D-5L (0,937).

Kata kunci : HUI3, utilitas, validitas, reliabilitas

## ABSTRACT

The HUI3 questionnaire is an instrument that can be used to measure utility. This study aims to analyze the validity and reliability of the HUI3 questionnaire to measure utility and to find out the utility of the general population in Bantul Regency.

The study was an observational study with a cross-sectional approach. The subjects of this study were the general population in Bantul Regency. HUI3 and EQ-5D-5L questionnaires were used to measure the quality of life of the general population of Bantul Regency which was subsequently converted to a utility index value. Validity measured includes internal construct validity and convergent validity analyzed by Spearman's correlation statistical tests and known-group validity by Kruskal-Wallis or Mann-Whitney statistical tests. Reliability tested includes agreements analyzed by searching for ICC and Bland-Altman plots and internal consistency with Chronbach's alpha statistical tests. Ceiling effect is measured by calculating the percentage of respondents who answered perfect health status.

The results of the research conducted on 156 respondents were the validity of the HUI3 is good for measuring the utility of the general population in Bantul Regency, with a fairly good internal construct validity ( $r = 0.289$ ) and good convergent validity because there is a strong correlation between several attributes / domains ( $r = 0.25 - 0.83$ ). HUI3 can significantly distinguish utility ( $p < 0.05$ ) based on age groups and disease history with several attributes that are significantly affected. ICC values (0.516), plots within the limits of agreement (93.59%), and Cronbach's alpha (0.495) are below the standard indicating that the reliability of the HUI3 is low enough to measure the utility of the general population in Bantul Regency. The ceiling effect of HUI3 obtained (25%) is lower than EQ-5D-5L. The average utility of the general population in Bantul Regency as measured using the HUI3 questionnaire (0.888) is lower than EQ-5D-5L (0.937).

**Keywords:** HUI3, utility, validity, reliability