

The validity and reliability test of the Indonesian version of Gastroesophageal Reflux Disease Quality of Life (GERD-QOL) Questionnaire

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Abstrak

Aim: to obtain a valid and reliable GERD-QOL questionnaire for Indonesian application.

Methods: at the initial stage, the GERD-QOL questionnaire was first translated into Indonesian language and the translated questionnaire was subsequently translated back into the original language (back-to-back translation). The results were evaluated by the researcher team and therefore, an Indonesian version of GERD-QOL questionnaire was developed. Ninety-one patients who had been clinically diagnosed with GERD based on the Montreal criteria were interviewed using the Indonesian version of GERD-QOL questionnaire and the SF 36 questionnaire. The validity was evaluated using a method of construct validity and external validity, and reliability can be tested by the method of internal consistency and test retest.

Results: the Indonesian version of GERD-QOL questionnaire had a good internal consistency reliability with a Cronbach Alpha of 0.687-0.842 and a good test retest reliability with an intra-class correlation coefficient of 0.756-0.936; $p < 0.05$). The questionnaire had also been demonstrated to have a good validity with a proven high correlation to each question of SF-36 ($p < 0.05$).

Conclusion: the Indonesian version of GERD-QOL questionnaire has been proven valid and reliable to evaluate the quality of life of GERD patients.