

## INTISARI

**Latar Belakang:** Reliabilitas merupakan aspek yang penting dan perlu diperhatikan dalam pengembangan instrumen evaluasi pembelajaran keterampilan klinik atau OSCE. Reliabilitas *checklist* OSCE akan mempengaruhi peningkatan kompetensi dan profesionalitas perawat pada jenjang pendidikan. Pengujian reliabilitas pada instrumen *checklist* pemasangan *nasogastric tube* (NGT) di Program Studi Ilmu Keperawatan Fakultas Kedokteran Universitas Gadjah Mada sendiri belum pernah dilakukan.

**Tujuan Penelitian:** Untuk mengetahui *interrater reliability* dari *checklist* keterampilan pemasangan NGT di PSIK FK UGM.

**Metode:** Penelitian ini dilaksanakan dengan menggunakan jenis penelitian *deskriptif kuantitatif non eksperimental* dan menggunakan rancangan penelitian *cross-sectional*. Terdapat dua *rater* yang menilai keterampilan pemasangan NGT pada seluruh mahasiswa tahun pertama PSIK FK UGM yang berjumlah 76 mahasiswa, dalam waktu yang sama dengan *checklist* yang sama. Hasil dari penilaian kedua *rater* di analisis secara keseluruhan dan juga per item. Pengukuran koefisien Kappa dilakukan dengan menggunakan *software* STATA 9 yang kemudian dianalisis menggunakan *unweighted* ( $\kappa$ ) dan *weighted kappa* ( $\kappa_w$ ).

**Hasil:** *Interrater reliability checklist* pemasangan NGT secara keseluruhan mempunyai nilai Kappa sebesar 0.5616 dengan kategori ‘sedang’, dan memiliki *percent agreement* sebesar 78.95%. Item-item pada *checklist* pemasangan NGT mempunyai nilai kappa dengan rentang kategori ‘buruk’ hingga ‘baik’. Sebanyak 6 item mempunyai nilai kappa kategori ‘buruk’ ( $\kappa_w < 0,2$ ), 4 item mempunyai nilai kappa kategori ‘cukup’ ( $\kappa_w = 0,21-0,4$ ), 10 item mempunyai nilai kappa kategori ‘sedang’ ( $\kappa_w = 0,41-0,6$ ), dan 2 item sisanya mempunyai nilai kappa kategori ‘baik’ ( $\kappa_w = 0,61-0,8$ ).

**Kesimpulan:** *Checklist* pemasangan NGT reliabel untuk digunakan menguji keterampilan mahasiswa saat OSCE pemasangan NGT di PSIK FK UGM

**Kata kunci:** *Checklist* pemasangan NGT, Kappa, *interrater reliability*, *percent agreement*

## ABSTRACT

**Background:** Reliability is an important aspect and necessary to be considered in order to improve the instrument of clinical skills learning evaluation or OSCE. Reliability checklist which is used in OSCE will affect to the improvement of the competence and professionalism of nurses in education level. Reliability assessment of the Nasogastric Tube (NGT) insertion checklist instrument has never been done in Nursing Science Program Faculty of Medicine Gadjah Mada University.

**Objective:** To determine interrater reliability of NGT insertion checklist that is used in School of Nursing, Universitas Gadjah Mada.

**Methods:** This paper is using descriptive quantitative non-experimental as the research method and cross-sectional as the research design. There are two raters who assessed NGT insertion skill for the entire first-year student of School of Nursing UGM, totaling 76 students, in the same time with the same checklist. The results of two raters assessment be analyzed as in general and also per item of checklist. Kappa coefficient measurements performed using software STATA 9 which are analyzed using unweighted ( $\kappa$ ) and weighted kappa ( $\kappa_w$ )

**Results:** Interrater reliability of NGT insertion checklist as in general has a Kappa value of 0.5616 with the category of 'moderate', and 78.95% amounts of percentage agreement. The items on the NGT insertion checklist had reliability with a range of categories of 'poor' to 'good'. A total of 6 items have reliability category of 'poor' ( $\kappa_w < 0,2$ ), 4 items have reliability category of 'fair' ( $\kappa_w = 0,21$  to  $0,4$ ), 10 items have reliability category of 'moderate' ( $\kappa_w = 0,41$  to  $0,6$ ), and the remaining of two items have reliability category of 'good' ( $\kappa_w = 0,61$  to  $0,8$ ).

**Conclusion:** NGT insertion skill checklist is reliable to be used assess students' skill when OSCE in the School of Nursing, Universitas Gadjah Mada

**Keywords:** Kappa, interrater reliability, NGT insertion checklist, percent agreement