

# Uji Kesahihan dan Keandalan Ages and Stages Questionnaires-Third Edition (ASQ-3) Bahasa Indonesia Sebagai Alat Uji Penapisan Keterlambatan Perkembangan Anak Usia 24-36 Bulan = Validity and Reliability ASQ-3 Indonesian version for identification developmental delayed in 24-36 months old children

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## Abstrak

**Latar belakang:** Identifikasi dan deteksi dini keterlambatan perkembangan anak sampai usia 3 tahun membutuhkan alat uji penapisan yang sah dan andal serta mudah diaplikasikan orangtua. Kesahihan dan keandalan ASQ-3 belum teruji di Indonesia sehingga ASQ-3 belum digunakan secara luas sebagai alat uji penapisan perkembangan anak.

**Tujuan:** Mengetahui kesahihan dan keandalan ASQ-3 bahasa Indonesia sebagai alat uji penapisan keterlambatan perkembangan anak usia 24-36 bulan.

**Metode:** Penelitian potong lintang ini dibagi menjadi 2 tahap. Tahap pertama yaitu adaptasi transkultural, modifikasi dan tranlasi kuesioner ASQ-3 versi orginal ke bahasa Indonesia. Tahap kedua, kuesioner bahasa Indonesia yang sudah final, diuji ke 30 subyek dari 5 kelompok umur (24,27,30,33,36 bulan). Uji kesahihan dengan menggunakan koefisien korelasi, uji keandalan dengan konsistensi internal dan keandalan inter-rater.

**Hasil:** Uji kesahihan dengan koefisien korelasi kuat di domain komunikasi usia 24 bulan (0,908), domain motor kasar usia 24 bulan (0,860), domain motor kasar usia 36 bulan (0,865). Uji keandalan dengan Alpha Cronbach ialah baik (0,673-0,825) dengan keandalan inter-rater yang sangat baik (0,916).

**Kesimpulan:** ASQ-3 bahasa Indonesia sah dan andal sebagai alat uji penapisan keterlambatan perkembangan anak usia 24-36 bulan.

.....**Background:** Identification of children with developmental disabilities is critical step in providing early intervention services. Ages and Stages Questionnaires third edition (ASQ-3), a parent-report questionnaires has been proven to be a valid and reliable screening test and good psychometric properties. This test has not been validated and standardized before in Indonesia.

**Aim:** To provide the validated and reliability form of the Indonesian version of the Ages and Stages Questionnaires as an appropriate developmental screening tool for evaluation of 24-36 months Indonesian children's development.

**Method:** Cross sectional study divided into two parts. First part included the adaptation, transcultural, and translation ASQ-3 original version to Indonesian version. Second part, final form of Indonesian ASQ-3 was performed for 30 children from 5 age groups (24,27,30,33,36 months). In order to determine validity of the questionnaires using correlation coefficient, and reliability was measured using internal consistency and intraclass correlation coefficient.

**Results:** The validity determined by correlation coefficient was very good in communication area at 24 months age (0.908), gross motor at 24 months age (0.860), and gross motor at 36 months age (0.865). The reliability, determined by cronbach's alpha ranged from 0.673-0.825 and the inter-rater reliability was 0.916.

**Conclusion:** The Indonesian version of the ASQ has appropriate validity and reliability for screening developmental disorders in 24 -36 months children in Indonesia.