

INTISARI

Latar Belakang : Identifikasi dini pasien Covid-19 merupakan hal yang sangat penting karena dapat membantu dalam terapi dan optimalisasi sumber daya kesehatan. Skor penapisan Covid-19 pre-operatif pediatri di RSUP Dr.Sardjito di rancang untuk dapat melakukan penapisan Covid-19 sebelum tindakan operasi. Hal yang sama terjadi pada skor penapisan Covid-19 pasien pediatri di *Tabriz University* Iran. Meskipun demikian, belum pernah dilakukan perbandingan uji validasi skor penapisan Covid-19 pada kedua model skor tersebut.

Tujuan : Melakukan perbandingan uji validasi skor penapisan Covid-19 pre-operatif pasien pediatri RSUP Dr.Sardjito dengan skor penapisan Covid-19 *Tabriz University* Iran yang dikonfirmasi dengan Swab RT-PCR SARS CoV-2.

Metode : Penelitian ini menggunakan desain observasional kohort retrospektif yang dilakukan di RSUP Dr. Sardjito. Pasien inklusi adalah anak usia >1 tahun dan <18 tahun, dilakukan skor penapisan Covid-19 pre-operatif di RSUP Dr.Sardjito. Kriteria eksklusi adalah data skor penapisan yang tidak lengkap.

Hasil : Jumlah sampel penelitian adalah 227 pasien dengan rata-rata usia 5,8 tahun. Total pasien positif Covid-19 sebanyak 25 pasien. Nilai AUC untuk memprediksi kejadian suspek dan *probable* dari skor RSUP Dr. Sardjito dan skor *Tabriz University* Iran masing-masing adalah 0,8842 dan 0,8567. Didapatkan nilai p 0,0086 dengan perbedaan yang bermakna.

Kesimpulan : Skor penapisan Covid-19 pediatri RSUP Dr. Sardjito memiliki validasi yang lebih baik secara statistik dibandingkan skor *Tabriz University* Iran dalam memprediksi awal kejadian Covid-19 pasien pediatri pre-operatif.

Kata kunci : Validasi, Pediatri, Pre-operatif, Skor Penapisan Covid-19 Pediatri RSUP Dr. Sardjito, Skor *Tabriz University* Iran.

ABSTRACT

Background : *Early identification of patients with novel coronavirus disease 2019 (COVID-19) is importance and may aid in delivering proper treatment and optimizing use of resources. Dr.Sardjito hospital has Covid-19 scoring for pediatric patients, it designed to screen pediatric patients pre-procedural with suspicion of Covid-19. The same thing happened to the Covid-19 screening scores of pediatric patients at Tabriz University, Iran. Unfortunatelly, there has never been researched the comparison of validity both of them.*

Objective : *Comparing the validation test of the pre-operative Covid-19 screening score of pediatric patients at Dr.Sardjito Hospital with the Tabriz University Iran Covid-19 screening score confirmed with SARS CoV-2 RT-PCR Swab.*

Methods : *This study used a retrospective cohort observational design conducted at Dr. Sardjito Hospital. Inclusion patients were children aged >1 year and <18 years, pre-operative Covid-19 screening scores for pediatric were carried out at Dr. Sardjito Hospital. Exclusion criteria whereas pediatric patients whose screening score data were incomplete.*

Result : *The number of study samples was 227 patients with an average age of 5.8 years. A total of 25 positive patients for Covid-19. The AUC value for predicting suspected and probable events from the Dr. Sardjito score and Tabriz University Iran score were 0.8842 and 0.8567, respectively. The p value was 0.0086 with a significant difference*

Conclusion : *Pediatric Covid-19 screening score at RSUP Dr. Sardjito has a statistically better validation quality than Tabriz University Iran's score in predicting the early occurrence of Covid-19 in pre-operative pediatric patients.*

Keywords : *Validation, Pediatric, Pre-operative, Dr.Sardjito's Hospital Covid-19 screening score for pediatric patients, Tabriz University Iran's Score*