

*COMPARISON OF ACCURACY OF FETAL WEIGHT ASSESSMENT BY
JOHNSON THOUSACK AND RISANTO ON NEWBORNS IN PUSKESMAS
GALUR II IN 2020*

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ABSTRACT

Background : *Estimated Fetal Weight is an important component in antenatal care. An accurate Estimated Fetal Weight can reduce the risk of morbidity and mortality related to possible complications during childbirth. An Estimated Fetal Weight method by Johnson Thousack is widely used while the one by Risanto is gaining recommendations as studies have proven that Risanto's is more suitable for women in Indonesia.*

Objective: *To see the result of accuracy comparison of Estimated Fetal Weight between Johnson Thousack and Risanto methods in newborns.*

Method : *This comparative observational research implemented cross sectional approach. Subjects were newborn who birt at Puskesmas Galur II in 2020. Consecutive sampling was used to select the samples consisting of 89 Newborns. Data were taken from the Maternity Register and Medical Records by referring to the inclusion and exclusion criteria. Data analysis was performed using the Mann Whitney Test.*

Result : *The results revealed that there was no significant difference between Estimated Fetal Weight by Johnson Thousack and the actual infant birth weight (Sig. 0.083). There was no significant difference between Estimated Fetal Weight by Risanto and the actual infant birth weight (sig. 0.408). There was a significant difference between the accuracy of Estimated Fetal Weight according by Johnson Thousack and Risanto (sig.0.006), where Estimated Fetal Weight by Risanto is more accurate than Johnson Thousack (mean: 217.63 vs. 251.00).*

Conclusion : *Estimated Fetal Weight by Risanto is more accurate than Estimated Fetal Weight by Johnson Thousack.*

Keywords: *Estimated Fetal Weight, Infant Birth Weight*

PERBANDINGAN KETEPATAN TAKSIRAN BERAT JANIN MENURUT
JOHNSON THOUSACK DAN RISANTO PADA BAYI BARU LAHIR
DI PUSKESMAS GALUR II TAHUN 2020

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ABSTRAK

Latar Belakang : Penentuan taksiran berat janin (TBJ) merupakan salah satu komponen penting dalam asuhan antenatal. TBJ yang tepat dapat mengurangi tingkat morbiditas dan mortalitas terkait kemungkinan penyulit pada saat persalinan.. Metode TBJ menurut Johnson Thousack banyak digunakan sedangkan TBJ menurut Risanto mulai direkomendasikan karena dari beberapa penelitian menyatakan bahwa TBJ menurut Risanto lebih sesuai untuk wanita di Indonesia.

Tujuan : Mengetahui perbandingan ketepatan TBJ menurut Johnson Thousack dan Risanto pada bayi baru lahir.

Metode : Penelitian ini merupakan penelitian observasional komparatif dengan pendekatan *Cross Sectional*. Populasi pada penelitian ini adalah bayi baru lahir yang lahir di Puskesmas Galur II tahun 2020. Tehnik sampling menggunakan tehnik *non-consecutive sampling*. Jumlah sampel 89 bayi baru lahir. Data diambil dari Register ibu bersalin dan Rekam Medik sesuai kriteria Inklusi dan eksklusi. Analisis data menggunakan Uji *Mann Whitney*.

Hasil : Penelitian menunjukkan bahwa Tidak terdapat perbedaan signifikan antara TBJ menurut Johnson Thousack terhadap Berat Lahir bayi (Sig. 0,083). Tidak terdapat perbedaan signifikan TBJ menurut Risanto terhadap Berat lahir Bayi (sig. 0,408). Terdapat perbedaan signifikan antara Ketepatan TBJ menurut Johnson Thousack dan Risanto (sig.0,006) .TBJ menurut Risanto lebih tepat dibanding Johnson Thousack (mean : 217,63 vs 251,00).

Kesimpulan : TBJ menurut Risanto lebih tepat dibandingkan TBJ menurut Johnson Thousack

Kata Kunci : Taksiran Berat Janin, Berat Lahir Bayi