

**APPLICATION OF MURROTAL THERAPY TO HEART RATE AND  
RESPIRATORY RATE IN INFANTS WITH LOW BIRTH WEIGHT IN  
PERINATOLOGY ROOM Dr. SOEHADI PRIJONEGORO SRAGEN HOSPITAL.**

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**ABSTRACT**

**Back Ground:** Low birth weight (LBW) is a baby born weighing less than 2500 grams regardless of gestational age. Theoretically, low birth weight babies have hypothermia because immature organ systems can cause increased work of breathing and increased caloric needs. **Objective:** To find out the results of the application of murrotal therapy on pulse and respiration in infants with low birth weight in the perinatology room of Dr Soehadi Prijonegoro Hospital, Sragen. **Methods:** This application uses a quantitative descriptive method. with the number of samples applying 2 respondents. This application is carried out for 3 days with every day done once for 60 minutes. The research instrument used an observation sheet prepost giving murrotal therapy. The analysis used is observation then interpreted and compared with existing theory. **Result:** The results of the application showed that both babies with LBW before and after being given murrotal therapy for 3 days experienced a significant decrease. **Conclusion:** There is an effect of murrotal therapy on pulse and respiration in infants with LBW who are given murrotal therapy for 3 days, it has decreased.

**Keywords:** Low Birth Weight, Murrotal Therapy