

ABSTRACT**THE EFFECTIVENESS OF PLASTIC WRAPS ON CHANGE OF VITAL SIGNS ON BBLR IN NICU EMERGENCY ROOM RSUD DR. SOETOMO SURABAYA****PRE-EXPERIMENT RESEARCH****By: Titik Sugiarti**

Thermoregulation or body temperature regulation is very essential and challenging aspect in low weight born baby nursing. Normal body temperature is obtained from the balance between production and loss of body heat. One of the particular problems on babies, especially on low weighted-born babies, is their incapability to sustain normal body temperature. Plastic wrap is one method that can be used to preserve hypothermia or increase body temperature, baby respiration and pulse, because of its cheap price, easy to get and safe for the babies. This research aims to analyze the before and after being given a plastic wraps on changing of essential signs on low weighted-born in NICU Emergency Room RSUD Dr. Soetomo.

This research used pre experimental (one group pre-post test design). Population for this research was all the low weighted-born and premature newly born babies who are taken care in the hospital in NICU Room RSUD Dr Soetomo Surabaya. Technique of sampling which was used was purposive sampling. Sample for this research was 30 persons. Independent variable in this research was the effectiveness of plastic wraps while the variable dependent was the change of essential signs. Collection of data used observation sheet and was analyzed by using statistics Friedman test and Wilcoxon signed rank test with the meaning degree $\alpha \leq 0,05$.

The result of statistics test showed that there were change in temperature, respiration, and pulse between before and after installing plastic wraps for 30 minutes, 60 minutes, and 90 minutes by the value of $p = 0,000$ on low weighted-born and premature babies in NICU Room RSUD Dr. Soetomo. Thus, it can be concluded that plastic wraps are very effectively used on the change of essential signs (temperature, respiration, and pulse) on low-weighted born and premature babies in NICU Room IGD Dr. Soetomo Surabaya. It take longer time for the next researcher.

Key words : Plastic wraps, essential signs, low-weighted born babies, premature babies.