

# Pengaruh pengaturan stimulus sensoris pada respon fisiologis dan perilaku BBLR di RSUPN Cipto Mangunkusumo = The effect of managing sensory stimuli on physiology responses and behavior of low birth weight infants in RSUPN CM

Elfi Syahreni, author

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## Abstrak

Tujuan penelitian adalah untuk mengetahui perbedaan respon fisiologis dan perilaku BBLR sebelum dan setelah penggunaan protokol Prestise. Penelitian ini menggunakan pre-post test design without control group. Sampel penelitian adalah 15 BBLR yang dirawat di NICU RSUPN CM dengan teknik pengambilan sampel dengan menggunakan purposive sampling method. Data dianalisis menggunakan uji t dan uji Wilcoxon.

Dari hasil analisis data ditemukan pengaruh penggunaan protokol pengaturan stimulus sensoris (Prestise) yang signifikan terhadap perubahan perilaku BBLR ( $p=0,005$ ), namun pengaruh penggunaan protokol Prestise terhadap perubahan denyut nadi dan saturasi oksigen tidak signifikan ( $p=0,909$  &  $p=0,750$ ). Penggunaan protokol Prestise perlu dipertimbangkan dalam perawatan BBLR di NICU.

*The purpose of this study was to identify physiological and behavior responses of LBW infants before and after receiving Prestise protocol procedure. The study design used pre-post test design without control group. Sample was 15 LBW infants in NICU RSUPN CM used purposive sampling method. Paired t test and Wilcoxon test were used to analyse the data.*

*There was a significant differences of LBW behavior before and after caring with Prestise protocol ( $p=0,005$ ). However, there were no significant differences on LBW heart rate and oxygen saturation before and after receiving Prestise protocol procedure ( $p=0,909$  &  $p=0,750$ ). This study recommended that Prestise protocol usage can be considered as a important part of nursing intervention for LBW infants in NICU.*