



TITLE: Differences in Serum Estradiol Levels in the Follicular Phase and Luteal Phase with Anxiety Levels in Women of Reproductive Age.

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ABSTRACT (upto 300 words)

Post-puberty women will experience changes in hormone levels at each menstrual phase. Low estradiol levels will increase anxiety. The aim of this study was to determine the differences in serum estradiol levels in the follicular and luteal phases and the anxiety levels of women of childbearing age. The research design is analytical with a cross-sectional approach. The sampling technique is purposive sampling, the number of respondents is 40 people in 2 groups; 20 respondents for the follicular phase and 20 for the luteal phase. The hypothesis test used is Fisher's test. The follicular phase p-value ($0.344 > (0.05)$), so it can be interpreted that there is no significant relationship between follicular phase serum estradiol levels and anxiety. Meanwhile, the luteal phase p-value ($0.083 > (0.05)$) means that there is no significant relationship between luteal phase serum estradiol levels and anxiety levels.

BIOGRAPHY

Ahisa Novianti has completed his Master Degree at the age of 29 years from Brawijaya University, Indonesia. She is a lecturer in Midwifery Major of Polytechnic Wira Husada Nusantara, Indonesia. She has been serving as an editorial board member of a journal.

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