THE ASSOCIATION BETWEEN MENSTRUAL DISORDER AND PSYCHOLOGICAL DISORDER IN PRE-MENOPAUSE WOMEN IN SIDOARJO, EAST JAVA

Widya Anggaraeni\textsuperscript{1)}, Kurnia Indriyanti\textsuperscript{1)}, Linda Presti Fibriana\textsuperscript{2)}, Nanik Nur Rosyidah\textsuperscript{1)}, Kiftiyah\textsuperscript{1)}, Siti Muthoharoh\textsuperscript{1)}

\textsuperscript{1)}School of Health Sciences Dian Husada, Mojokerto, East Java  
\textsuperscript{2)}Academy of Nursing Dian Husada, Mojokerto, East Java

ABSTRACT

Background: One of the common disorders experienced by women in the pre-menopausal period is menstrual disorder. The data from Dr. Soetomo hospital, Surabaya, East Java, in 2007, showed that the disorders associated with pre-menopause period included menstrual disorder (85%), emotional disorder (48.88%), anxiety (19.15%), depression (10.09%), insomnia (7.45%), and dementia (14.43%). Sexual disorder occurred in approximately 51% of the pre-menopause women, including pain during intercourse (42.42%). This study aimed to determine the association between menstruation disorder and psychological disorder in pre-menopause women in Sidoarjo, East Java.

Subjects and Method: This was an analytic observational study with a cross-sectional design. The study was conducted in Penatarsewu village, Tanggulangin Sub-district, Sidoarjo, East Java, from July to August 2016. The accessible population was 157 pre-menopause women. A sample of 61 pre-menopause women was selected for this study by simple random sampling. The dependent variable was psychological disorder. The independent variable was menstruation disorder. The data were collected by questionnaire and analyzed by logistic regression.

Results: The risk of psychological disorder increased with menstrual disorder (OR= 34.08; p<0.001).

Conclusion: Menstrual disorder increases the risk of psychological disorder in pre-menopause women.

Keywords: menstrual disorder, psychological disorder, pre-menopause women

Correspondence: Widya Anggaraeni, School of Health Sciences Dian Husada, Mojokerto, Jl. Raya Tambakagung, Puri, Mojokerto, East Java.