

INTISARI

Mekanisme kerja Alat Kontrasepsi Dalam Rahim (AKDR) atau Intra Uterine Device adalah merangsang terjadinya reaksi radang atau reaksi benda asing. Beberapa efek samping yang ditimbulkan oleh pemakaian IUD meliputi perdarahan, infeksi radang panggul, leukorhea, ekspulsi, perforasi, rasa nyeri, kehamilan dan keluhan suami. Penelitian ini bertujuan untuk mengetahui profil (gambaran) leukosit darah dan untuk mengetahui pengaruh dari lama pemakaian IUD terhadap profil (gambaran) leukosit pada akseptor KB IUD.

Penelitian ini adalah penelitian observational, crossectional. Subjek penelitian adalah 30 akseptor KB IUD Cu-T dan Nova T yang dibagi menjadi 3 kelompok berdasar lama pemakaian, 0 – 5 tahun ($n=17$), 6 – 10 tahun ($n=9$) dan 11 – 15 tahun ($n=4$). Jumlah dan hitung jenis leukosit dihitung menggunakan metode bilik hitung dan apus darah tepi di Laboratorium Kesehatan Daerah Samarinda.

Hasil penelitian didapatkan jumlah leukosit rata dari seluruh subjek sebesar $6893,33/\text{mm}^3$, eosinofil sebesar 0,50%, basofil sebesar 0,30%, neutrofil sebesar 68,80%, limfosit sebesar 29,60% dan monosit sebesar 1%. Sedangkan berdasarkan kelompok lama pemakaian 0 – 5 tahun didapatkan jumlah leukosit rata $6741,18/\text{mm}^3$, eosinofil 0,41%, basofil 0,18%, neutrofil batang 0,53%, neutrofil segmen 67,12%, limfosit 30,65% dan monosit 1,12%. Untuk lama pemakaian 6 – 10 tahun didapatkan jumlah leukosit rata $7422,22/\text{mm}^3$, eosinofil 0,56%, basofil 0,11%, neutrofil batang 1,22%, neutrofil segmen 72%, limfosit 25,11% dan monosit 0,89%. Dan untuk lama pemakaian 11 – 15 tahun jumlah leukosit rata $6350/\text{mm}^3$, eosinofil 0,75%, basofil 0%, neutrofil batang 0,25%, neutrofil segmen 63,50%, limfosit 35,25% dan monosit sebesar 0,75%. Berdasarkan uji *T-test* pada seluruh subjek hasil yang didapatkan pada jumlah leukosit, basofil, neutrofil dan limfosit tidak didapatkan perubahan yang bermakna dibandingkan dengan nilai normal, sedangkan eosinofil dan monosit didapatkan perubahan yang bermakna. Berdasarkan kelompok lama pemakaian jumlah leukosit, eosinofil, basofil dan neutrofil batang tidak didapatkan perubahan yang bermakna, sedangkan neutrofil segmen dan limfosit berdasarkan lama pemakaian didapatkan perubahan yang bermakna berdasarkan uji *T-test*.

ABSTRACT

The work mechanism of Alat Kontrasepsi Dalam Rahim (AKDR) or Intra Uterine Device to stimulate inflammation reaction or corpus alineum reaction. The using of IUD can use many side effects, they are bleeding, pelvic infection, leucorrhoea, expulsion of IUD, perforation, painful, pregnancy and husband's complain. This study purpose is to know blood leucocyte profile and the effect of IUD's using period to leucocyte profile in IUD acceptors.

This study method is observational study, crosssectional. Study subjects are 30 IUD acceptors (using Cu-T and Nova T models) and they will be divided in 3 groups based on IUD using period. That 3 groups are 0 – 5 years (n=17), 6 – 10 years (n=9) and 11 – 15 years (n=4). The leucocyte amount and type account can be known using count column method and peripher blood preparat in Local Health Laboratorium of Samarinda.

The study result are mean leucocyte amount from whole subjects is $6893,33/\text{mm}^3$, eosinophyl is 0,50%, basophyl is 0,30%, neutrophyl is 68,80%, lymphocyte is 29,60% and monocyte is 1%. Based on the group of IUD using period for 0 – 5 years, mean leucocyte amount is $6741,18/\text{mm}^3$, eosinophyl is 0,41%, basophyl is 0,18%, shaft neutrophyl is 0,53%, segmented neutrophyl is 67,12%, lymphocyte is 30,65% and monocyte is 1,12%. Based on the group of IUD using period for 6 – 10 years, mean leucocyte amount is $7422,22/\text{mm}^3$, eosinophyl is 0,56%, basophyl is 0,11%, shaft neutrophyl is 1,22%, segmented neutrophyl is 72%, lymphocyte is 25,11% and monocyte is 0,89%. Based on the group of IUD using period for 11 – 15 years, mean leucocyte amount is $6350/\text{mm}^3$, eosinophyl is 0,75%, basophyl is 0%, shaft neutrophyl is 0,25%, segmented neutrophyl is 63,50%, lymphocyte is 35,25% and monocyte is 0,75%. Based on *T-test* to whole subjects, there is no significant change on the amount of leucocyte, basophyl, neutrophyl and lymphocyte compared to normal count. But there is significant change on the amount of eosinophyl and monocyte. Based on the group of using IUD period, there is no significant change on the amount of leucocyte, eosinophyl, basophyl, shaft neneutrophyl and monocyte. But based on *T-test* there is significant change on the amount of segmented neutrophyl and lymphocyte.