

**PENGARUH BACTERIAL VAGINOSIS TERHADAP KADAR
MATRIX METALLOPROTEINASE-9 PADA
KEHAMILAN ATERM
(TESIS)**



Universitas Andalas

HERRY HARIANTO.AR
NO. CHS : 16684

Pembimbing :

Dr. H. PELSI SULAINI, SpOG(K)

Dr. ERKADIUS, MSc

**BAGIAN/SMF OBSTETRI DAN GINEKOLOGI
FAKULTAS KEDOKTERAN UNIVERSITAS ANDALAS
RS Dr.M.DJAMIL PADANG
2010**

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Disahkan pada tanggal : 28 September 2010

**Ketua Bagian/ SMF
Obstetri dan Ginekologi
Fakultas Kedokteran UNAND/
RS. Dr. M. Djamil Padang**

**Ketua Program Studi
PPDS Obstetri dan Ginekologi
Fakultas Kedokteran
Universitas Andalas Padang**



DR. Dr. H. Joserizal Serudji, SpOG (K)



Dr. H. Pelsi Sulaini, SpOG (K)

NIP. 19560829 198403 1 001

NIP. 19510808 198011 1 001

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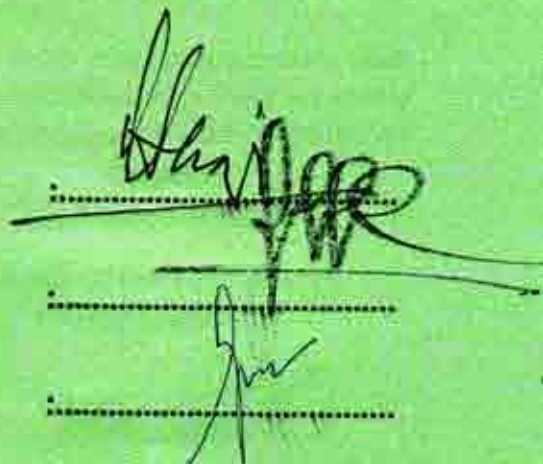
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PENGUJI

1. DR. Dr. H. JOSERIZAL SERUDJI, SpOG (K)

2. Dr. H. MUCHLIS HASAN, SpOG

3. Dr. Hj. ERMAWATI, SpOG (K)

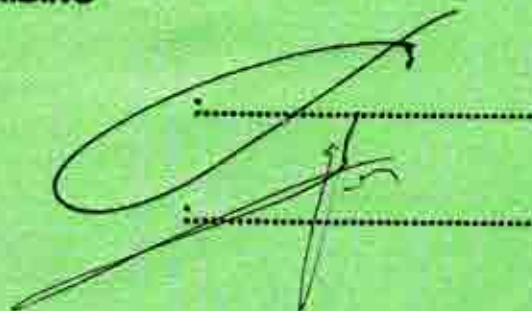


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PEMBIMBING

1. Dr. H. PELSIL SULAINI, SpOG (K)

2. Dr. ERKADIUS, MSc



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ABSTRACT

Hariato, H. 2010. Effect of Bacterial vaginosis on Matrixmetalloproteinase-9 Levels in Term Pregnancy. Thesis. Obstetrics and Gynecology Department of Faculty of Medicine Andalas University. Dr. M. Djamil Padang General Hospital

Background : Matrixmetalloproteinase-9 (MMP-9) are members of the MMP group who allegedly had a role in extracellular matrix degradation. Increased MMP-9 caused by infection, especially bacterial vaginosis (BV). In pregnant women it is very possible infections caused by bacterial vaginosis that may affect levels of matrixmetalloproteinase-9.

Objective : To assess the influence of BV on MMP-9 levels in term pregnancy.

Location : Clinic of Obstetrics and Gynecology of Dr. M. Djamil Padang General Hospital.

Design: Cross Sectional Study.

Materials and methods : all samples meet the inclusion criteria conducted anamnesis includes name, age, address, parity, last menstrual periode (LMP) and then performed a physical examination, examination of vaginal swab using a sterile cotton stick and venous blood sampling as much as 3 cc for the examination of serum levels of MMP-9 with ELISA KIT. The data is processed and analyzed statistically.

Results : The study was conducted on 33 cases of term pregnant women, from 33 cases obtained MMP-9 decreased with negative bacterial vaginosis as many as 16 people, and MMP-9 increased with positive bacterial vaginosis as much as 9 people.

Conclusion : Bacterial vaginosis is proven increased the levels of matrixmetalloproteinase-9 on term pregnancy.

Key words : Bacterial vaginosis, matrixmetalloproteinase-9, term pregnancy.

ABSTRAK

Hariato, H. 2010. Pengaruh *Bacterial vaginosis* Terhadap Kadar *Matrixmetalloproteinase-9* pada Kehamilan Aterm. Tesis. Bagian/SMF Obstetri dan Ginekologi Fakultas Kedokteran Universitas Andalas. RS Dr. M. Djamil Padang

Latar Belakang : *Matrixmetalloproteinase-9* merupakan anggota dari kelompok MMP yang diduga mempunyai peran dalam degradasi matriks ekstraseluler. Peningkatan MMP-9 disebabkan oleh infeksi terutama *bacterial vaginosis*. Pada wanita hamil sangat mungkin terjadi infeksi yang disebabkan oleh *bakterial vaginosis* sehingga dapat mempengaruhi kadar *matrixmetalloproteinase-9*.

Tujuan : Untuk mengetahui pengaruh BV terhadap kadar MMP-9 pada kehamilan aterm.

Tempat : Poliklinik Kebidanan RS Dr. M. Djamil Padang.

Rancangan : Penelitian ini merupakan *cross sectional study*.

Bahan dan cara kerja : seluruh sampel yang memenuhi kriteria inklusi dilakukan anamnesis meliputi nama, umur, alamat, paritas, HPHT kemudian dilakukan pemeriksaan fisik, pemeriksaan swab vagina dengan menggunakan kapas lidi steril dan pengambilan darah vena sebanyak 3 cc untuk pemeriksaan kadar MMP-9 serum dengan ELISA KIT. Data yang didapat diolah serta dianalisis statistik.

Hasil : penelitian dilakukan pada 33 kasus ibu hamil aterm, dari 33 kasus didapatkan MMP-9 ↓ dengan *bacterial vaginosis* negatif sebanyak 16 orang dan MMP-9 ↑ dengan *bacterial vaginosis* positif sebanyak 9 orang.

Kesimpulan : *Bacterial vaginosis* terbukti dapat meningkatkan kadar *matrixmetalloproteinase-9* pada kehamilan aterm.

Kata kunci : *Bacterial vaginosis*, *matrixmetalloproteinase-9*, hamil aterm.